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Periodic Monitoring Report for Mortandad and Sandia Watersheds, August 1–August 19, 2011

Prepared by the Environmental Programs Directorate

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February 2011

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EXECUTIVE SUMMARY

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

The PMEs documented in this report occurred from August 1 to August 19, 2011, and included the monitoring of 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 PMEs 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 surface-water samples were collected during the current Mortandad Canyon PME.

No results from previous Mortandad Canyon PME groundwater samples reported in this PMR were above screening levels. Twelve results from groundwater samples collected during the current Mortandad Canyon PME were above screening levels.

No results from previous Sandia Canyon PME surface-water samples are reported in this PMR. No surface-water locations were sampled during the current Sandia Canyon PME.

Results from previous Sandia Canyon PME groundwater samples reported in this PMR were below screening levels. One result from groundwater samples collected during the current Sandia Canyon PME was above screening levels

CONTENTS

Figures

Tables

Appendixes

Plates

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.)
EPA	Environmental Protection Agency (U.S.)
F	filtered
GW	groundwater
HH OO	Human Health—Organism Only (NMWQCC standard)
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
LVL	level
MCL	maximum contaminant level (EPA)
MCPA	2-methyl-4-chlorophenoxyacetic acid
MCPP	2-(4-chloro-2-methylphenoxy)propanoic acid
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
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 August 1 to August 19, 2011, and included sampling of 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 PMEs 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 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. No base-flow locations were sampled during this PME.

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) 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 August 2011 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 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.

- The base-flow monitoring locations are assigned to one of two screening categories—perennial or ephemeral (Table 4.2-2). Along with a hardness value, this category determines the screening levels used for data at each monitoring location. Hardness-dependent screening levels used to screen data at each base-flow monitoring location are determined using the geometric mean of hardness data (mg/L as calcium carbonate) collected from 2006 through 2010 at each location (Table 4.2-2). Hardness-dependent acute and chronic criteria were used for total aluminum and

dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc in accordance with the requirements of 20 New Mexico Administrative Code 6.4.

- 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 4.2-3 and 4.2-4 provide 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 PMEs for analytes that exceed their screening level at more than one sampling location. For example, filtered chromium was above the NMWQCC groundwater standard screening level at several wells, so all available chromium values from the current PMEs 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 surface-water samples were collected during the current Mortandad Canyon PME.

4.2.2 Surface Water (Base Flow): Sandia Watershed

No results from previous Sandia Canyon PME surface-water samples are reported in this PMR. No surface-water locations were sampled during the current Sandia Canyon PME.

4.2.3 Groundwater: Mortandad Watershed

No results from previous Mortandad Canyon PME groundwater samples reported in this PMR were above screening levels.

For the current PME, the perchlorate concentration at alluvial well MCO-7 was 7.89 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.

Perchlorate concentrations for intermediate groundwater wells MCOI-5 and MCOI-6 were respectively 82.8 µg/L and 71.2 µg/L, above the Consent Order screening level of 4 µg/L. MCOI-5 concentrations have ranged from 68.7 µg/L to 132 µg/L since 2005. The results in MCOI-6 have fallen from 132 µg/L in late 2007; the measurement from this PME is the lowest.

In MCOI-6 the filtered chromium concentration of 55.1 µg/L was above the NMWQCC groundwater standard screening level of 50 µg/L. Measurements since 2005 range from 29.4 µg/L to 65.5 µg/L.

The perchlorate concentration in regional well R-15 was 7.86 µg/L, above the Consent Order screening level of 4 µg/L. Other values from R-15 measured by the liquid chromatography/mass spectrometry method since 2003 range from 4.6 µg/L to 8.06 µg/L, though many are estimated.

In regional well R-28 the filtered chromium concentration was 428 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 965 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 screen at regional aquifer well R-50 was 71.2 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. Values for earlier sample events range from 49.8 µg/L to 81 µg/L.

The filtered iron and manganese concentrations from both screens of regional aquifer well R-61 were above the respective NMWQCC groundwater standard screening levels of 1000 µg/L and 200 µg/L (both applicable to domestic water supply). Iron and manganese concentrations at the 1125-ft screen were 2550 µg/L and 1100 µg/L; at the 1220.4-ft screen they were 5590 µg/L and 908 µg/L. This is the second sample from the well; concentrations for filtered iron and manganese in the first sample event were below standards at both screens.

Three polycyclic aromatic hydrocarbon compounds (including benzo(a)pyrene) were detected at concentrations above screening levels in a field blank collected at R-14. These compounds were not reported in a groundwater sample.

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 PME, the filtered chromium result of 511 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 surface-water samples were collected during the current Mortandad Canyon PME.

5.2.2 Surface Water (Base Flow): Sandia Watershed

No results from previous Sandia Canyon PME surface-water samples are reported in this PMR. No surface-water locations were sampled during the current Sandia Canyon PME.

5.2.3 Groundwater: Mortandad Watershed

No results from previous Mortandad Canyon PME groundwater samples reported in this PMR were above screening levels.

Twelve results from groundwater samples collected during the current Mortandad Canyon PME were above screening levels (Table 4.2-3). This does not include three polycyclic aromatic hydrocarbon compounds detected at concentrations above screening levels in a field blank collected at R-14.

For results above standards, except for the highest filtered iron and manganese at both ports of R-61, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed.

5.2.4 Groundwater: Sandia Watershed

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

One result from groundwater samples collected during the current Sandia Canyon PME was above screening levels (Table 4.2-4).

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

5.4 Remediation System Monitoring

Remediation system monitoring is not applicable to Mortandad and Sandia Canyons because there are no systems installed in the watersheds.

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)

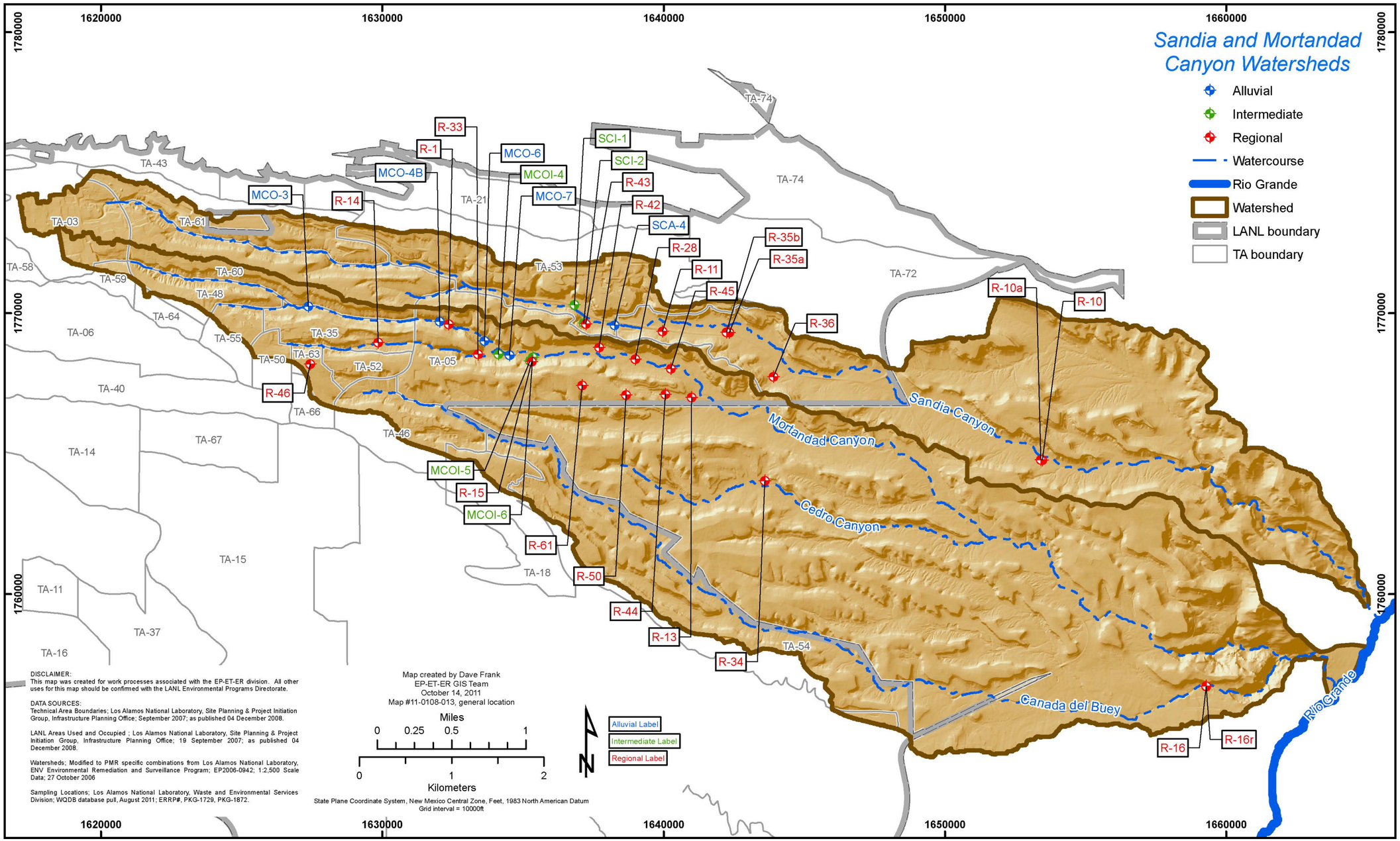


Figure 2.0-1 Locations monitored for these PMEs. Some locations on this map may not have been sampled (see Tables 3.4-1 and 3.4-2).

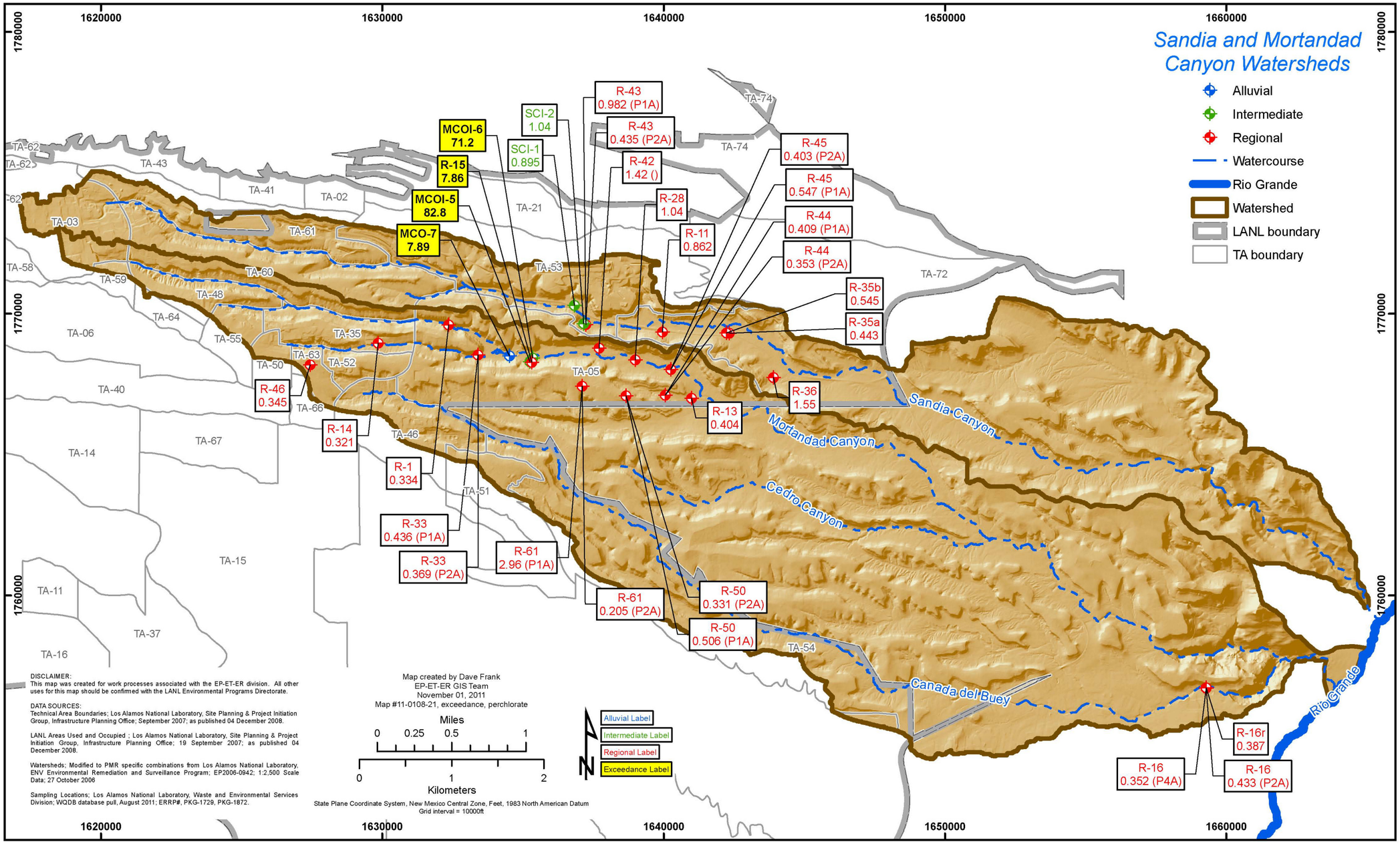


Figure 4.2-1 Watersheds filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L.

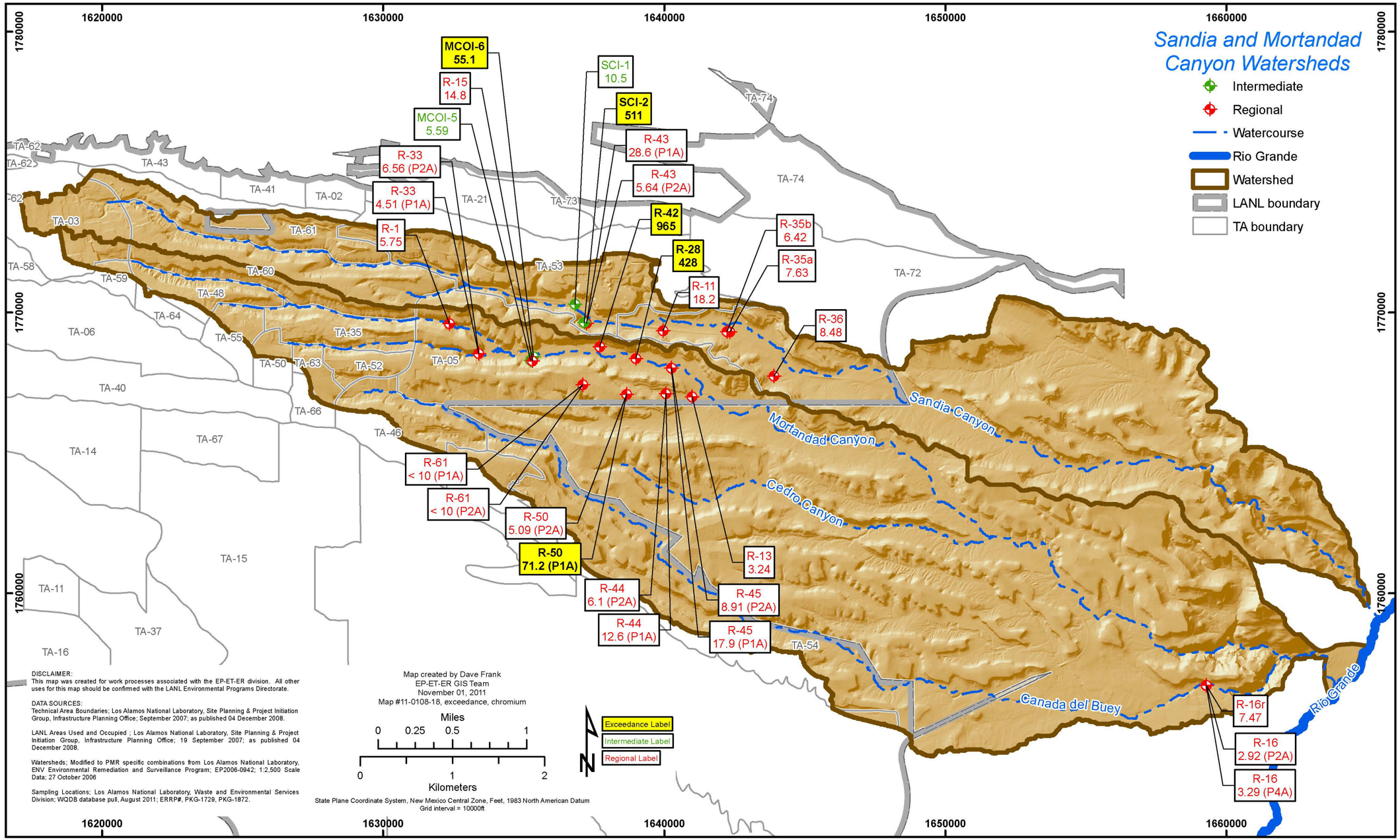


Figure 4.2-2 Watersheds filtered chromium concentrations in µg/L. The NMWQCC groundwater standard screening level is 50 µg/L.

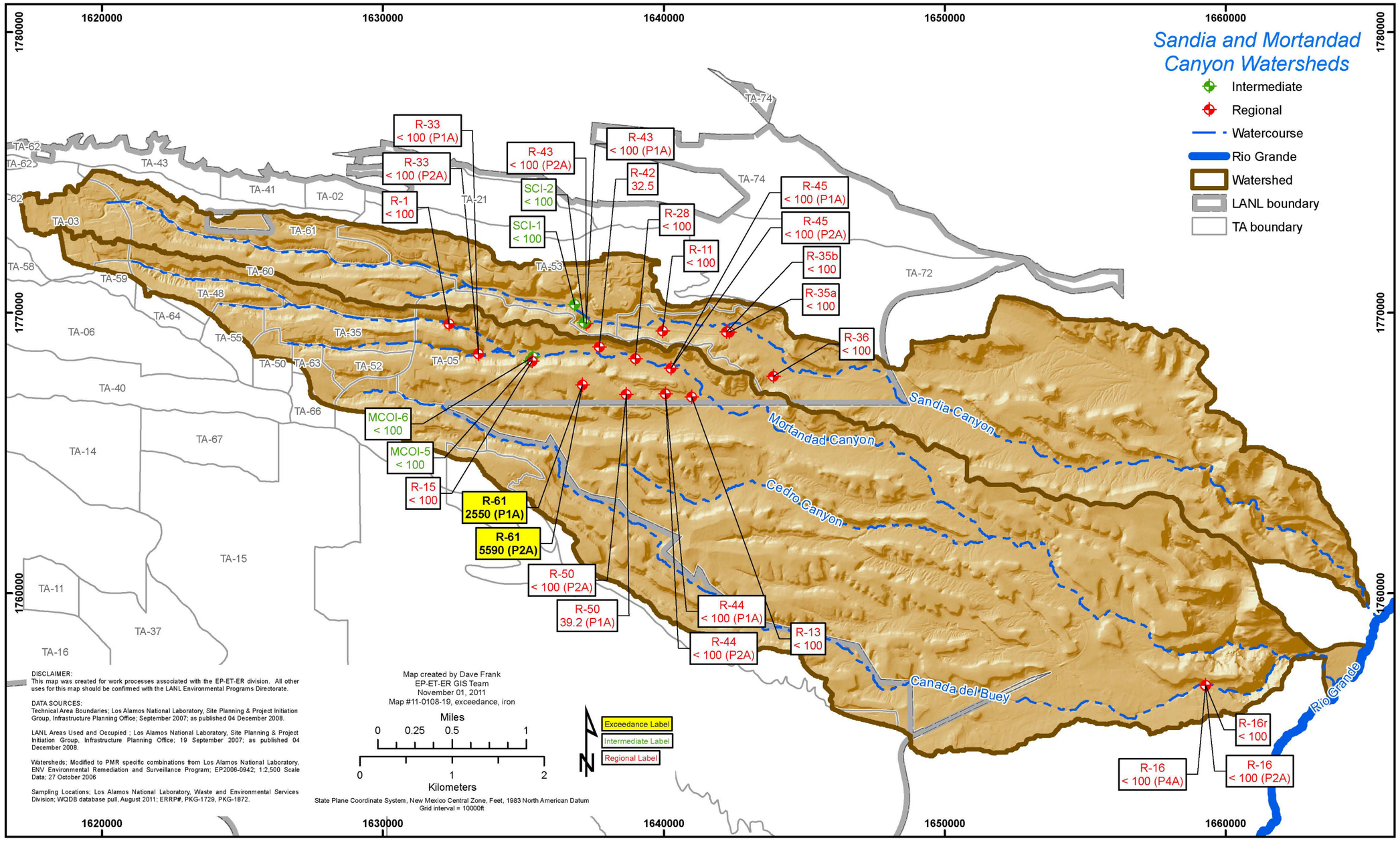


Figure 4.2-3 Watersheds filtered iron concentrations in µg/L. The NMWQCC groundwater standard screening level is 1000 µg/L.

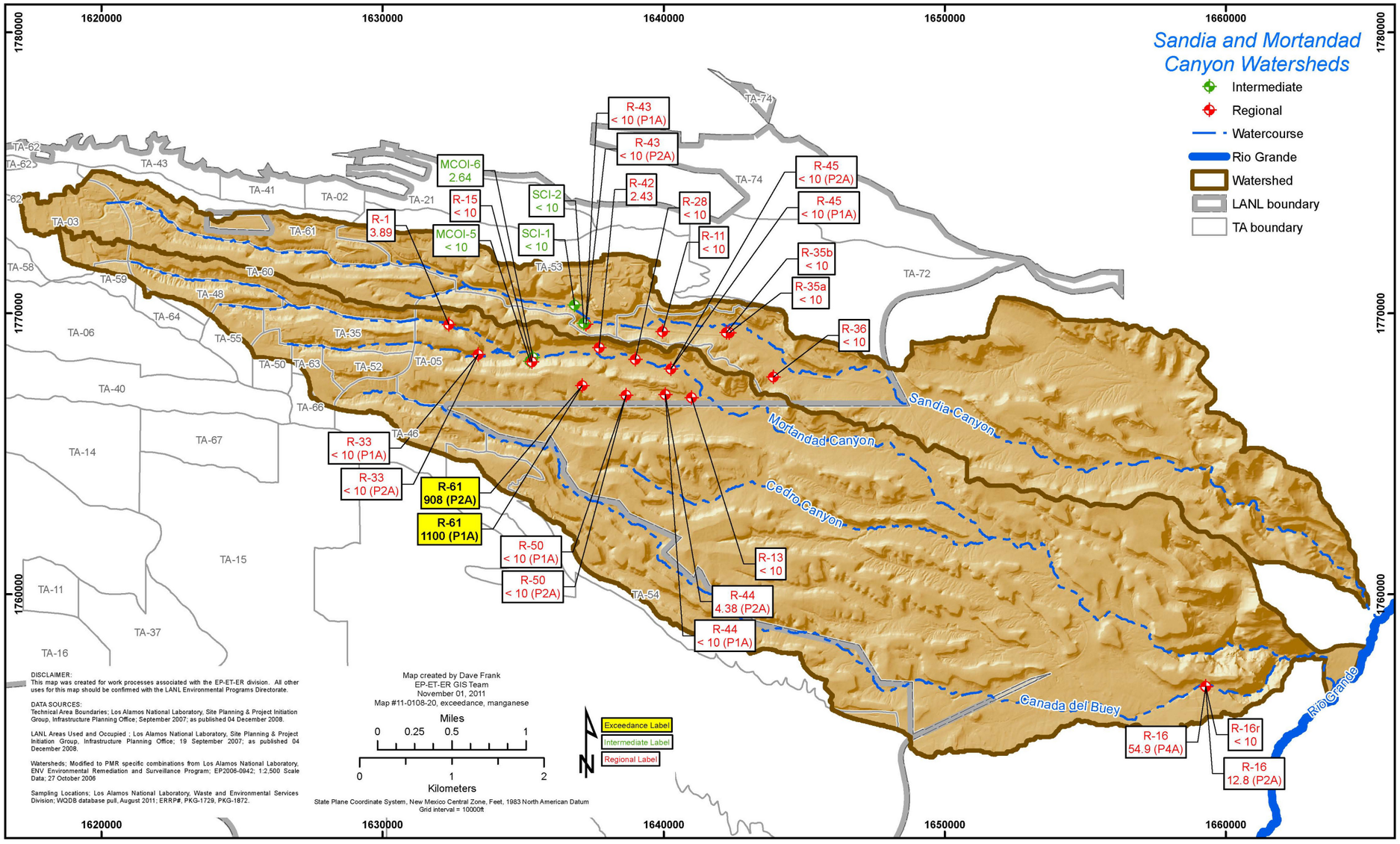


Figure 4.2-4 Watersheds filtered manganese concentrations in µg/L. The NMWQCC groundwater standard screening level is 200 µg/L.

Table 2.0-1
Mortandad Watershed Monitoring Locations and General Information

Location	Sample Collection Date	Port Name	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 (cfs[a])
MCO-3	08/05/11	Single	2	10	2	12	n/a[b]	n/a	Dry[c]
MCO-4B	08/15/11	Single	8.9	20	8.9	28.9	n/a	n/a	Dry
MCO-6	08/03/11	Single	27	20	27	47	n/a	n/a	Dry
MCO-7	08/03/11	Single	39	30	39	69	3.49	6.5	0.0002
MCOI-4	08/17/11	Single	499	23.1	498.9	522	n/a	n/a	Dry
MCOI-5	08/10/11	Single	689	9.96	689.04	699	16.9	17	0.001
MCOI-6	08/10/11	Single	686	22.3	686	708.3	48.7	172.9	0.003
R-1	08/02/11	Single	1031.1	26.3	1031.1	1057.4	62.9	191	0.006
R-13	08/01/11	Single	958.3	60.39	958.3	1018.7	157	471	0.011
R-14	08/03/11	Single	1200.6	32.6	1200.6	1233.2	50.5	154	0.014
R-15	08/15/11	Single	958.6	61.7	958.6	1020.3	59	221.5	0.019
R-16	08/18/11	P2A	863.4	7.5	863.4	870.9	218	660	0.010
R-16	08/18/11	P4A	1237	7.6	1237	1244.6	44.4	143	0.006
R-16r	08/10/11	Single	600	17.6	600	617.6	54.6	178.5	0.011
R-28	08/02/11	Single	934.3	23.8	934.3	958.1	72.4	249.6	0.009
R-33	08/04/11	P1A	995.5	23	995.5	1018.5	75.31	228	0.007
R-33	08/04/11	P2A	1112.4	9.9	1112.4	1122.3	40.43	122	0.006
R-34	08/11/11	Single	883.7	22.9	883.7	906.6	101.7	318.6	0.006
R-42	08/02/11	Single	931.8	21.1	931.8	952.9	53.1	160	0.004
R-44	08/05/11	P1A	895	10	895	905	57.2	173	0.007
R-44	08/05/11	P2A	985.3	9.9	985.3	995.2	76.4	234	0.007
R-45	08/01/11	P1A	880	10	880	890	52.6	165	0.007
R-45	08/01/11	P2A	974.9	20	974.9	994.9	91.8	276.3	0.007
R-46	08/03/11	Single	1340	20.7	1340	1360.7	54.3	194	0.010
R-50	08/04/11	P1A	1077	10	1077	1087	51.1	155	0.006

Table 2.0-1 (continued)

Location	Sample Collection Date	Port Name	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 (cfs[a])
R-50	08/08/11	P2A	1185	20.6	1185	1205.6	96.5	291	0.003
R-61	08/18/11	P1A	1125	10	1125	1135	60.9	229	0.005
R-61	08/19/11	P2A	1220.4	20.6	1220.4	1241	86.3	264.4	0.004

[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 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 (cfs[a])
SCA-4	08/19/11	Single	37	4.5	37	41.5	n/a[b]	n/a	Dry[c]
SCI-1	08/16/11	Single	358.4	19.5	358.4	377.9	6.21	0.34	0.001
SCI-2	08/09/11	Single	548	20	548	568	7.02	26.33	0.001
R-10	08/09/11	P1A	874	23	874	897	207.3	630	0.025
R-10	08/09/11	P2A	1042	23	1042	1065	130.8	395	0.025
R-10a	08/09/11	Single	690	10	690	700	67.4	375	0.011
R-11	08/12/11	Single	855	22.9	855	877.9	52.4	158	0.007
R-35a	08/17/11	Single	1013.1	49.1	1013.1	1062.2	229.9	703	0.008
R-35b	08/12/11	Single	825.4	23.1	825.4	848.5	65.3	196	0.006
R-36	08/15/11	Single	766.9	23	766.9	789.9	42.3	129	0.007
R-43	08/16/11	P1A	903.9	20.7	903.9	924.6	66.8	200	0.003
R-43	08/16/11	P2A	969.1	10	969.1	979.1	25.5	77	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 Watershed PME Observations and Deviations

Location	Deviation	Cause	Comment
MCO-3, MCO-4B, MCO-6, MCOI-4	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	No data are included in this report for this location.	Analytical data on hold pending release by San Ildefonso Pueblo.	Data will be reported when released by San Ildefonso Pueblo.

Table 3.4-2
Sandia Watershed PME Observations and Deviations

Location	Deviation	Cause	Comment
SCA-4	No data are included in this report for this location.	This location was not sampled because it was dry.	This location will be sampled during the next scheduled PME.
R-10 and R-10a	No data are included in this report for these locations.	Analytical data on hold pending release by San Ildefonso Pueblo.	Data will be reported when released by San Ildefonso Pueblo.

Table 3.4-3
Analytes with PQLs above Screening Levels

Analyte or CAS[a] No.	Analyte Name	MDL[b]	PQL	Screening Level	Unit	Screening-Level Type
Herbicides						
94-74-6	MCPA[c]	12	53	18	µg/L	EPA Regional Tap
93-65-2	MCPP[d]	11	53	37	µg/L	EPA Regional Tap
Metals						
Be	Beryllium	1	5	4	µg/L	EPA MCL
Semivolatile Organic Analytes						
1912-24-9	Atrazine	3	10	3	µg/L	EPA MCL
103-33-3	Azobenzene	2	10	1.3	µg/L	EPA Regional Tap
92-87-5	Benzidine	3	10	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

Table 3.4-3 (continued)

Analyte or CAS[a] No.	Analyte Name	MDL[b]	PQL	Screening Level	Unit	Screening-Level Type
91-94-1	Dichlorobenzidine[3,3'-]	2	10	1.5	µg/L	EPA Regional Tap
534-52-1	Dinitro-2-methylphenol[4,6-]	3	10	2.9	µg/L	EPA Regional Tap
123-91-1	Dioxane[1,4-]	2	10	6.7	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	2	10	1	µg/L	EPA MCL
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	1	0.29	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-]	3	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	1.3	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-]	0.3	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
75-09-2	Methylene Chloride	3	10	5	µg/L	EPA MCL
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.

[a] CAS = Chemical Abstracts Service.

[b] MDL = Method detection limit.

[c] 2-MCPA = Methyl-4-chlorophenoxyacetic acid.

[d] MCPP = 2-(4-Chloro-2-methylphenoxy)propanoic acid.

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
Base-Flow Location Type and Hardness Assignments Used to Select Screening Levels

Watershed	Location	Stream Type	Hardness (mg/L as $CaCO_3$)
Sandia	Middle Sandia Canyon at terminus of persistent baseflow	Ephemeral	90
Sandia	Sandia below Wetlands	Perennial	100
Sandia	Sandia right fork at Power Plant	Perennial	100
Sandia	South Fork of Sandia Canyon at E122	Ephemeral	100
Mortandad	E-1FW	Ephemeral	80
Mortandad	M-1E	Ephemeral	60
Mortandad	M-1W	Ephemeral	50
Mortandad	M-2E	Ephemeral	90
Mortandad	Mortandad below Effluent Canyon	Ephemeral	60
Mortandad	TS-1W	Ephemeral	60
Mortandad	TS-2E	Ephemeral	70

Table 4.2-3
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-7	08/03/11	Perchlorate	F[a]	7.89	µg/L	4	Consent Order
Intermediate Groundwater							
MCOI-5	08/10/11	Perchlorate	F	82.8	µg/L	4	Consent Order
MCOI-6	08/10/11	Perchlorate	F	71.2	µg/L	4	Consent Order
MCOI-6	08/10/11	Chromium	F	55.1	µg/L	50	NMWQCC GW STD
Regional Groundwater							
R-15	08/15/11	Perchlorate	F	7.86	µg/L	4	Consent Order
R-42	08/02/11	Chromium	F	965	µg/L	50	NMWQCC GW STD
R-28	08/02/11	Chromium	F	428	µg/L	50	NMWQCC GW STD
R-50	08/04/11	Chromium	F	71.2	µg/L	50	NMWQCC GW STD
R-61	08/18/11	Iron	F	2550	µg/L	1000	NMWQCC GW STD
R-61	08/18/11	Manganese	F	1100	µg/L	200	NMWQCC GW STD
R-61	08/19/11	Iron	F	5590	µg/L	1000	NMWQCC GW STD
R-61	08/19/11	Manganese	F	908	µg/L	200	NMWQCC GW STD
R-14	08/03/11	Benzo(a)pyrene	UF[b]	0.34	µg/L	0.2	EPA MCL
R-14	08/03/11	Dibenz(a,h)anthracene	UF	0.392	µg/L	0.029	EPA TAP SCRN LVL
R-14	08/03/11	Indeno(1,2,3-cd)pyrene	UF	0.34	µg/L	0.29	EPA TAP SCRN LVL

[a] F = Filtered.

[b] UF = Unfiltered.

Table 4.2-4
Sandia Watershed Surface-Water and Groundwater Results above Screening Levels

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Intermediate Groundwater							
SCI-2	08/11/11	Chromium	F*	511	µg/L	50	NMWQCC GW STD

* 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 Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCO-7	Single	39	08/03/11	WG[a]	Dissolved Oxygen	8.02	mg/L	CAMO-11-24622
MCO-7	Single	39	05/18/11	WG	Dissolved Oxygen	7.64	mg/L	CAMO-11-10746
MCO-7	Single	39	02/10/11	WG	Dissolved Oxygen	7.63	mg/L	CAMO-11-4635
MCO-7	Single	39	11/16/10	WG	Dissolved Oxygen	8.68	mg/L	CAMO-11-1250
MCO-7	Single	39	07/07/10	WG	Dissolved Oxygen	8.21	mg/L	CAMO-10-22816
MCO-7	Single	39	08/03/11	WG	Oxidation Reduction Potential	295.1	mV	CAMO-11-24622
MCO-7	Single	39	05/18/11	WG	Oxidation Reduction Potential	250.4	mV	CAMO-11-10746
MCO-7	Single	39	02/10/11	WG	Oxidation Reduction Potential	156.5	mV	CAMO-11-4635
MCO-7	Single	39	11/16/10	WG	Oxidation Reduction Potential	323.6	mV	CAMO-11-1250
MCO-7	Single	39	07/07/10	WG	Oxidation Reduction Potential	306.1	mV	CAMO-10-22816
MCO-7	Single	39	08/03/11	WG	pH	6.74	SU[b]	CAMO-11-24622
MCO-7	Single	39	05/18/11	WG	pH	6.77	SU	CAMO-11-10746
MCO-7	Single	39	02/10/11	WG	pH	6.81	SU	CAMO-11-4635
MCO-7	Single	39	11/16/10	WG	pH	6.65	SU	CAMO-11-1250
MCO-7	Single	39	07/07/10	WG	pH	6.12	SU	CAMO-10-22816
MCO-7	Single	39	08/03/11	WG	Specific Conductance	587	µS/cm	CAMO-11-24622
MCO-7	Single	39	05/18/11	WG	Specific Conductance	559	µS/cm	CAMO-11-10746
MCO-7	Single	39	02/10/11	WG	Specific Conductance	555	µS/cm	CAMO-11-4635
MCO-7	Single	39	11/16/10	WG	Specific Conductance	614	µS/cm	CAMO-11-1250
MCO-7	Single	39	07/07/10	WG	Specific Conductance	422	µS/cm	CAMO-10-22816
MCO-7	Single	39	08/03/11	WG	Temperature	11.02	deg C	CAMO-11-24622
MCO-7	Single	39	05/18/11	WG	Temperature	11.14	deg C	CAMO-11-10746
MCO-7	Single	39	02/10/11	WG	Temperature	9.78	deg C	CAMO-11-4635
MCO-7	Single	39	11/16/10	WG	Temperature	10.05	deg C	CAMO-11-1250
MCO-7	Single	39	07/07/10	WG	Temperature	10.34	deg C	CAMO-10-22816

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCO-7	Single	39	08/03/11	WG	Turbidity	3	NTU[c]	CAMO-11-24622
MCO-7	Single	39	05/18/11	WG	Turbidity	5.02	NTU	CAMO-11-10746
MCO-7	Single	39	02/10/11	WG	Turbidity	0.5	NTU	CAMO-11-4635
MCO-7	Single	39	11/16/10	WG	Turbidity	0.91	NTU	CAMO-11-1250
MCO-7	Single	39	07/07/10	WG	Turbidity	4.71	NTU	CAMO-10-22816
MCOI-5	Single	689	08/10/11	WG	Dissolved Oxygen	7.01	mg/L	CAMO-11-24627
MCOI-5	Single	689	05/26/11	WG	Dissolved Oxygen	6.81	mg/L	CAMO-11-10699
MCOI-5	Single	689	02/28/11	WG	Dissolved Oxygen	7.32	mg/L	CAMO-11-4590
MCOI-5	Single	689	11/15/10	WG	Dissolved Oxygen	6.34	mg/L	CAMO-11-1253
MCOI-5	Single	689	07/07/10	WG	Dissolved Oxygen	6.21	mg/L	CAMO-10-22836
MCOI-5	Single	689	08/10/11	WG	Oxidation Reduction Potential	236	mV	CAMO-11-24627
MCOI-5	Single	689	05/26/11	WG	Oxidation Reduction Potential	138.8	mV	CAMO-11-10699
MCOI-5	Single	689	02/28/11	WG	Oxidation Reduction Potential	216.4	mV	CAMO-11-4590
MCOI-5	Single	689	11/15/10	WG	Oxidation Reduction Potential	305.3	mV	CAMO-11-1253
MCOI-5	Single	689	07/07/10	WG	Oxidation Reduction Potential	75.6	mV	CAMO-10-22836
MCOI-5	Single	689	08/10/11	WG	pH	8.42	SU	CAMO-11-24627
MCOI-5	Single	689	05/26/11	WG	pH	8.04	SU	CAMO-11-10699
MCOI-5	Single	689	02/28/11	WG	pH	8.35	SU	CAMO-11-4590
MCOI-5	Single	689	11/15/10	WG	pH	8.19	SU	CAMO-11-1253
MCOI-5	Single	689	08/10/11	WG	Specific Conductance	199	µS/cm	CAMO-11-24627
MCOI-5	Single	689	05/26/11	WG	Specific Conductance	184	µS/cm	CAMO-11-10699
MCOI-5	Single	689	02/28/11	WG	Specific Conductance	160	µS/cm	CAMO-11-4590
MCOI-5	Single	689	11/15/10	WG	Specific Conductance	200	µS/cm	CAMO-11-1253
MCOI-5	Single	689	08/10/11	WG	Temperature	13.8	deg C	CAMO-11-24627
MCOI-5	Single	689	05/26/11	WG	Temperature	13.66	deg C	CAMO-11-10699

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-5	Single	689	02/28/11	WG	Temperature	13.68	deg C	CAMO-11-4590
MCOI-5	Single	689	11/15/10	WG	Temperature	13.05	deg C	CAMO-11-1253
MCOI-5	Single	689	07/07/10	WG	Temperature	14.79	deg C	CAMO-10-22836
MCOI-5	Single	689	08/10/11	WG	Turbidity	0.34	NTU	CAMO-11-24627
MCOI-5	Single	689	05/26/11	WG	Turbidity	0.55	NTU	CAMO-11-10699
MCOI-5	Single	689	02/28/11	WG	Turbidity	0.1	NTU	CAMO-11-4590
MCOI-5	Single	689	11/15/10	WG	Turbidity	0.55	NTU	CAMO-11-1253
MCOI-5	Single	689	07/07/10	WG	Turbidity	1.74	NTU	CAMO-10-22836
MCOI-6	Single	686	08/10/11	WG	Dissolved Oxygen	6.86	mg/L	CAMO-11-24630
MCOI-6	Single	686	05/31/11	WG	Dissolved Oxygen	6.9	mg/L	CAMO-11-10700
MCOI-6	Single	686	02/09/11	WG	Dissolved Oxygen	7.08	mg/L	CAMO-11-4592
MCOI-6	Single	686	11/10/10	WG	Dissolved Oxygen	6.48	mg/L	CAMO-11-1256
MCOI-6	Single	686	07/06/10	WG	Dissolved Oxygen	5.17	mg/L	CAMO-10-22837
MCOI-6	Single	686	08/10/11	WG	Oxidation Reduction Potential	151.2	mV	CAMO-11-24630
MCOI-6	Single	686	05/31/11	WG	Oxidation Reduction Potential	207.8	mV	CAMO-11-10700
MCOI-6	Single	686	02/09/11	WG	Oxidation Reduction Potential	118.7	mV	CAMO-11-4592
MCOI-6	Single	686	11/10/10	WG	Oxidation Reduction Potential	417.2	mV	CAMO-11-1256
MCOI-6	Single	686	07/06/10	WG	Oxidation Reduction Potential	170.9	mV	CAMO-10-22837
MCOI-6	Single	686	08/10/11	WG	pH	7.11	SU	CAMO-11-24630
MCOI-6	Single	686	05/31/11	WG	pH	7.13	SU	CAMO-11-10700
MCOI-6	Single	686	02/09/11	WG	pH	7.12	SU	CAMO-11-4592
MCOI-6	Single	686	11/10/10	WG	pH	6.96	SU	CAMO-11-1256
MCOI-6	Single	686	07/06/10	WG	pH	6.52	SU	CAMO-10-22837
MCOI-6	Single	686	08/10/11	WG	Specific Conductance	650	µS/cm	CAMO-11-24630
MCOI-6	Single	686	05/31/11	WG	Specific Conductance	621	µS/cm	CAMO-11-10700
MCOI-6	Single	686	02/09/11	WG	Specific Conductance	616	µS/cm	CAMO-11-4592

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	Single	686	11/10/10	WG	Specific Conductance	628	µS/cm	CAMO-11-1256
MCOI-6	Single	686	07/06/10	WG	Specific Conductance	522	µS/cm	CAMO-10-22837
MCOI-6	Single	686	08/10/11	WG	Temperature	16.69	deg C	CAMO-11-24630
MCOI-6	Single	686	05/31/11	WG	Temperature	16.17	deg C	CAMO-11-10700
MCOI-6	Single	686	02/09/11	WG	Temperature	14.28	deg C	CAMO-11-4592
MCOI-6	Single	686	11/10/10	WG	Temperature	12.84	deg C	CAMO-11-1256
MCOI-6	Single	686	07/06/10	WG	Temperature	20.55	deg C	CAMO-10-22837
MCOI-6	Single	686	08/10/11	WG	Turbidity	0.39	NTU	CAMO-11-24630
MCOI-6	Single	686	05/31/11	WG	Turbidity	0.58	NTU	CAMO-11-10700
MCOI-6	Single	686	02/09/11	WG	Turbidity	0.74	NTU	CAMO-11-4592
MCOI-6	Single	686	11/10/10	WG	Turbidity	0.58	NTU	CAMO-11-1256
MCOI-6	Single	686	07/06/10	WG	Turbidity	0.59	NTU	CAMO-10-22837
R-1	Single	1031.1	08/02/11	WG	Dissolved Oxygen	5.42	mg/L	CAMO-11-24660
R-1	Single	1031.1	06/03/11	WG	Dissolved Oxygen	5.35	mg/L	CAMO-11-10747
R-1	Single	1031.1	11/12/10	WG	Dissolved Oxygen	4.84	mg/L	CAMO-11-1262
R-1	Single	1031.1	07/13/10	WG	Dissolved Oxygen	4.69	mg/L	CAMO-10-22844
R-1	Single	1031.1	05/03/10	WG	Dissolved Oxygen	5.21	mg/L	CAMO-10-16739
R-1	Single	1031.1	08/02/11	WG	Oxidation Reduction Potential	184.2	mV	CAMO-11-24660
R-1	Single	1031.1	06/03/11	WG	Oxidation Reduction Potential	166	mV	CAMO-11-10747
R-1	Single	1031.1	11/12/10	WG	Oxidation Reduction Potential	192.6	mV	CAMO-11-1262
R-1	Single	1031.1	07/13/10	WG	Oxidation Reduction Potential	49.5	mV	CAMO-10-22844
R-1	Single	1031.1	05/03/10	WG	Oxidation Reduction Potential	141.6	mV	CAMO-10-16739
R-1	Single	1031.1	08/02/11	WG	pH	7.2	SU	CAMO-11-24660
R-1	Single	1031.1	06/03/11	WG	pH	7.5	SU	CAMO-11-10747
R-1	Single	1031.1	11/12/10	WG	pH	7	SU	CAMO-11-1262
R-1	Single	1031.1	07/13/10	WG	pH	7.36	SU	CAMO-10-22844

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-1	Single	1031.1	08/02/11	WG	Specific Conductance	143	µS/cm	CAMO-11-24660
R-1	Single	1031.1	06/03/11	WG	Specific Conductance	143	µS/cm	CAMO-11-10747
R-1	Single	1031.1	11/12/10	WG	Specific Conductance	140	µS/cm	CAMO-11-1262
R-1	Single	1031.1	07/13/10	WG	Specific Conductance	128	µS/cm	CAMO-10-22844
R-1	Single	1031.1	08/02/11	WG	Temperature	20.71	deg C	CAMO-11-24660
R-1	Single	1031.1	06/03/11	WG	Temperature	2.47	deg C	CAMO-11-10747
R-1	Single	1031.1	11/12/10	WG	Temperature	20.26	deg C	CAMO-11-1262
R-1	Single	1031.1	07/13/10	WG	Temperature	21.71	deg C	CAMO-10-22844
R-1	Single	1031.1	05/03/10	WG	Temperature	21.9	deg C	CAMO-10-16739
R-1	Single	1031.1	08/02/11	WG	Turbidity	1.61	NTU	CAMO-11-24660
R-1	Single	1031.1	06/03/11	WG	Turbidity	1.03	NTU	CAMO-11-10747
R-1	Single	1031.1	11/12/10	WG	Turbidity	0.48	NTU	CAMO-11-1262
R-1	Single	1031.1	07/13/10	WG	Turbidity	0.39	NTU	CAMO-10-22844
R-1	Single	1031.1	05/03/10	WG	Turbidity	0.49	NTU	CAMO-10-16739
R-13	Single	958.3	08/01/11	WG	Dissolved Oxygen	6.59	mg/L	CAMO-11-24633
R-13	Single	958.3	05/25/11	WG	Dissolved Oxygen	6.55	mg/L	CAMO-11-10703
R-13	Single	958.3	02/18/11	WG	Dissolved Oxygen	6.65	mg/L	CAMO-11-4595
R-13	Single	958.3	11/09/10	WG	Dissolved Oxygen	6.15	mg/L	CAMO-11-1269
R-13	Single	958.3	07/13/10	WG	Dissolved Oxygen	5.31	mg/L	CAMO-10-22848
R-13	Single	958.3	08/01/11	WG	Oxidation Reduction Potential	82.5	mV	CAMO-11-24633
R-13	Single	958.3	05/25/11	WG	Oxidation Reduction Potential	203.6	mV	CAMO-11-10703
R-13	Single	958.3	02/18/11	WG	Oxidation Reduction Potential	190.6	mV	CAMO-11-4595
R-13	Single	958.3	11/09/10	WG	Oxidation Reduction Potential	347.9	mV	CAMO-11-1269
R-13	Single	958.3	07/13/10	WG	Oxidation Reduction Potential	302.4	mV	CAMO-10-22848
R-13	Single	958.3	08/01/11	WG	pH	8.21	SU	CAMO-11-24633
R-13	Single	958.3	05/25/11	WG	pH	8.24	SU	CAMO-11-10703

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-13	Single	958.3	02/18/11	WG	pH	8.24	SU	CAMO-11-4595
R-13	Single	958.3	11/09/10	WG	pH	8.02	SU	CAMO-11-1269
R-13	Single	958.3	07/13/10	WG	pH	7.88	SU	CAMO-10-22848
R-13	Single	958.3	08/01/11	WG	Specific Conductance	143	µS/cm	CAMO-11-24633
R-13	Single	958.3	05/25/11	WG	Specific Conductance	140	µS/cm	CAMO-11-10703
R-13	Single	958.3	02/18/11	WG	Specific Conductance	132	µS/cm	CAMO-11-4595
R-13	Single	958.3	11/09/10	WG	Specific Conductance	140	µS/cm	CAMO-11-1269
R-13	Single	958.3	07/13/10	WG	Specific Conductance	145	µS/cm	CAMO-10-22848
R-13	Single	958.3	08/01/11	WG	Temperature	22.01	deg C	CAMO-11-24633
R-13	Single	958.3	05/25/11	WG	Temperature	22.08	deg C	CAMO-11-10703
R-13	Single	958.3	02/18/11	WG	Temperature	21.87	deg C	CAMO-11-4595
R-13	Single	958.3	11/09/10	WG	Temperature	17.63	deg C	CAMO-11-1269
R-13	Single	958.3	07/13/10	WG	Temperature	23.22	deg C	CAMO-10-22848
R-13	Single	958.3	08/01/11	WG	Turbidity	0.28	NTU	CAMO-11-24633
R-13	Single	958.3	05/25/11	WG	Turbidity	0.31	NTU	CAMO-11-10703
R-13	Single	958.3	02/18/11	WG	Turbidity	0.11	NTU	CAMO-11-4595
R-13	Single	958.3	11/09/10	WG	Turbidity	0.39	NTU	CAMO-11-1269
R-13	Single	958.3	07/13/10	WG	Turbidity	0.45	NTU	CAMO-10-22848
R-14	Single	1200.6	08/03/11	WG	Dissolved Oxygen	5.25	mg/L	CAMO-11-24652
R-14	Single	1200.6	05/18/11	WG	Dissolved Oxygen	5.1	mg/L	CAMO-11-10729
R-14	Single	1200.6	02/22/11	WG	Dissolved Oxygen	4.84	mg/L	CAMO-11-4621
R-14	Single	1200.6	11/12/10	WG	Dissolved Oxygen	4.34	mg/L	CAMO-11-1265
R-14	Single	1200.6	07/01/10	WG	Dissolved Oxygen	4.03	mg/L	CAMO-10-22851
R-14	Single	1200.6	08/03/11	WG	Oxidation Reduction Potential	139.2	mV	CAMO-11-24652
R-14	Single	1200.6	05/18/11	WG	Oxidation Reduction Potential	156	mV	CAMO-11-10729
R-14	Single	1200.6	02/22/11	WG	Oxidation Reduction Potential	115.8	mV	CAMO-11-4621

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-14	Single	1200.6	11/12/10	WG	Oxidation Reduction Potential	430.9	mV	CAMO-11-1265
R-14	Single	1200.6	07/01/10	WG	Oxidation Reduction Potential	166.2	mV	CAMO-10-22851
R-14	Single	1200.6	08/03/11	WG	pH	8.37	SU	CAMO-11-24652
R-14	Single	1200.6	05/18/11	WG	pH	8.4	SU	CAMO-11-10729
R-14	Single	1200.6	02/22/11	WG	pH	8.39	SU	CAMO-11-4621
R-14	Single	1200.6	11/12/10	WG	pH	8.12	SU	CAMO-11-1265
R-14	Single	1200.6	07/01/10	WG	pH	8.19	SU	CAMO-10-22851
R-14	Single	1200.6	08/03/11	WG	Specific Conductance	133	µS/cm	CAMO-11-24652
R-14	Single	1200.6	05/18/11	WG	Specific Conductance	131	µS/cm	CAMO-11-10729
R-14	Single	1200.6	02/22/11	WG	Specific Conductance	135	µS/cm	CAMO-11-4621
R-14	Single	1200.6	11/12/10	WG	Specific Conductance	133	µS/cm	CAMO-11-1265
R-14	Single	1200.6	07/01/10	WG	Specific Conductance	132	µS/cm	CAMO-10-22851
R-14	Single	1200.6	08/03/11	WG	Temperature	23.76	deg C	CAMO-11-24652
R-14	Single	1200.6	05/18/11	WG	Temperature	22.87	deg C	CAMO-11-10729
R-14	Single	1200.6	02/22/11	WG	Temperature	23.67	deg C	CAMO-11-4621
R-14	Single	1200.6	11/12/10	WG	Temperature	22.85	deg C	CAMO-11-1265
R-14	Single	1200.6	07/01/10	WG	Temperature	22.6	deg C	CAMO-10-22851
R-14	Single	1200.6	08/03/11	WG	Turbidity	0.36	NTU	CAMO-11-24652
R-14	Single	1200.6	05/18/11	WG	Turbidity	0.51	NTU	CAMO-11-10729
R-14	Single	1200.6	02/22/11	WG	Turbidity	0.63	NTU	CAMO-11-4621
R-14	Single	1200.6	11/12/10	WG	Turbidity	0.53	NTU	CAMO-11-1265
R-14	Single	1200.6	07/01/10	WG	Turbidity	1.08	NTU	CAMO-10-22851
R-15	Single	958.6	08/15/11	WG	Dissolved Oxygen	6.6	mg/L	CAMO-11-24636
R-15	Single	958.6	05/31/11	WG	Dissolved Oxygen	6.9	mg/L	CAMO-11-10715
R-15	Single	958.6	02/28/11	WG	Dissolved Oxygen	7.2	mg/L	CAMO-11-4597
R-15	Single	958.6	11/09/10	WG	Dissolved Oxygen	6.02	mg/L	CAMO-11-1268

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-15	Single	958.6	07/14/10	WG	Dissolved Oxygen	3.79	mg/L	CAMO-10-22857
R-15	Single	958.6	08/15/11	WG	Oxidation Reduction Potential	37.9	mV	CAMO-11-24636
R-15	Single	958.6	05/31/11	WG	Oxidation Reduction Potential	175.9	mV	CAMO-11-10715
R-15	Single	958.6	02/28/11	WG	Oxidation Reduction Potential	184.7	mV	CAMO-11-4597
R-15	Single	958.6	11/09/10	WG	Oxidation Reduction Potential	326.8	mV	CAMO-11-1268
R-15	Single	958.6	07/14/10	WG	Oxidation Reduction Potential	165.3	mV	CAMO-10-22857
R-15	Single	958.6	08/15/11	WG	pH	8.6	SU	CAMO-11-24636
R-15	Single	958.6	05/31/11	WG	pH	8.3	SU	CAMO-11-10715
R-15	Single	958.6	02/28/11	WG	pH	8.21	SU	CAMO-11-4597
R-15	Single	958.6	11/09/10	WG	pH	8.2	SU	CAMO-11-1268
R-15	Single	958.6	07/14/10	WG	pH	8.38	SU	CAMO-10-22857
R-15	Single	958.6	08/15/11	WG	Specific Conductance	185	µS/cm	CAMO-11-24636
R-15	Single	958.6	05/31/11	WG	Specific Conductance	158	µS/cm	CAMO-11-10715
R-15	Single	958.6	02/28/11	WG	Specific Conductance	156	µS/cm	CAMO-11-4597
R-15	Single	958.6	11/09/10	WG	Specific Conductance	155	µS/cm	CAMO-11-1268
R-15	Single	958.6	07/14/10	WG	Specific Conductance	153	µS/cm	CAMO-10-22857
R-15	Single	958.6	08/15/11	WG	Temperature	20.24	deg C	CAMO-11-24636
R-15	Single	958.6	05/31/11	WG	Temperature	20.35	deg C	CAMO-11-10715
R-15	Single	958.6	02/28/11	WG	Temperature	20.03	deg C	CAMO-11-4597
R-15	Single	958.6	11/09/10	WG	Temperature	18.65	deg C	CAMO-11-1268
R-15	Single	958.6	07/14/10	WG	Temperature	19.65	deg C	CAMO-10-22857
R-15	Single	958.6	08/15/11	WG	Turbidity	2.93	NTU	CAMO-11-24636
R-15	Single	958.6	05/31/11	WG	Turbidity	1.71	NTU	CAMO-11-10715
R-15	Single	958.6	02/28/11	WG	Turbidity	1.4	NTU	CAMO-11-4597
R-15	Single	958.6	11/09/10	WG	Turbidity	4.36	NTU	CAMO-11-1268
R-15	Single	958.6	07/14/10	WG	Turbidity	5.47	NTU	CAMO-10-22857

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16	P2A	863.4	08/18/11	WG	Dissolved Oxygen	5.83	mg/L	CAMO-11-24691
R-16	P2A	863.4	08/18/11	WG	Dissolved Oxygen	5.82	mg/L	CAMO-11-24506
R-16	P2A	863.4	08/18/11	WG	Dissolved Oxygen	5.64	mg/L	CAMO-11-24504
R-16	P2A	863.4	08/18/11	WG	Dissolved Oxygen	5.07	mg/L	CAMO-11-24502
R-16	P2A	863.4	05/27/11	WG	Dissolved Oxygen	5.78	mg/L	CAMO-11-11327
R-16	P2A	863.4	05/27/11	WG	Dissolved Oxygen	5.53	mg/L	CAMO-11-11325
R-16	P2A	863.4	05/27/11	WG	Dissolved Oxygen	5.53	mg/L	CAMO-11-11326
R-16	P2A	863.4	05/27/11	WG	Dissolved Oxygen	4.96	mg/L	CAMO-11-11323
R-16	P2A	863.4	02/16/11	WG	Dissolved Oxygen	5.63	mg/L	CAMO-11-4641
R-16	P2A	863.4	08/18/11	WG	Oxidation Reduction Potential	145.6	mV	CAMO-11-24506
R-16	P2A	863.4	08/18/11	WG	Oxidation Reduction Potential	145.6	mV	CAMO-11-24691
R-16	P2A	863.4	08/18/11	WG	Oxidation Reduction Potential	128	mV	CAMO-11-24504
R-16	P2A	863.4	08/18/11	WG	Oxidation Reduction Potential	60.2	mV	CAMO-11-24502
R-16	P2A	863.4	05/27/11	WG	Oxidation Reduction Potential	115.2	mV	CAMO-11-11327
R-16	P2A	863.4	05/27/11	WG	Oxidation Reduction Potential	94.8	mV	CAMO-11-11325
R-16	P2A	863.4	05/27/11	WG	Oxidation Reduction Potential	94.8	mV	CAMO-11-11326
R-16	P2A	863.4	05/27/11	WG	Oxidation Reduction Potential	42.6	mV	CAMO-11-11323
R-16	P2A	863.4	02/16/11	WG	Oxidation Reduction Potential	81.6	mV	CAMO-11-4641
R-16	P2A	863.4	08/18/11	WG	pH	8.21	SU	CAMO-11-24506
R-16	P2A	863.4	08/18/11	WG	pH	8.21	SU	CAMO-11-24691
R-16	P2A	863.4	08/18/11	WG	pH	8.22	SU	CAMO-11-24504
R-16	P2A	863.4	08/18/11	WG	pH	8.24	SU	CAMO-11-24502
R-16	P2A	863.4	05/27/11	WG	pH	8.16	SU	CAMO-11-11327
R-16	P2A	863.4	05/27/11	WG	pH	8.17	SU	CAMO-11-11325
R-16	P2A	863.4	05/27/11	WG	pH	8.17	SU	CAMO-11-11326
R-16	P2A	863.4	05/27/11	WG	pH	8.19	SU	CAMO-11-11323

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16	P2A	863.4	08/18/11	WG	Specific Conductance	174	µS/cm	CAMO-11-24691
R-16	P2A	863.4	08/18/11	WG	Specific Conductance	174	µS/cm	CAMO-11-24506
R-16	P2A	863.4	08/18/11	WG	Specific Conductance	175	µS/cm	CAMO-11-24504
R-16	P2A	863.4	08/18/11	WG	Specific Conductance	176	µS/cm	CAMO-11-24502
R-16	P2A	863.4	05/27/11	WG	Specific Conductance	180	µS/cm	CAMO-11-11327
R-16	P2A	863.4	05/27/11	WG	Specific Conductance	181	µS/cm	CAMO-11-11325
R-16	P2A	863.4	05/27/11	WG	Specific Conductance	181	µS/cm	CAMO-11-11326
R-16	P2A	863.4	05/27/11	WG	Specific Conductance	184	µS/cm	CAMO-11-11323
R-16	P2A	863.4	08/18/11	WG	Temperature	22.59	deg C	CAMO-11-24691
R-16	P2A	863.4	08/18/11	WG	Temperature	22.59	deg C	CAMO-11-24506
R-16	P2A	863.4	08/18/11	WG	Temperature	22.41	deg C	CAMO-11-24504
R-16	P2A	863.4	08/18/11	WG	Temperature	22.12	deg C	CAMO-11-24502
R-16	P2A	863.4	05/27/11	WG	Temperature	23.06	deg C	CAMO-11-11327
R-16	P2A	863.4	05/27/11	WG	Temperature	22.92	deg C	CAMO-11-11325
R-16	P2A	863.4	05/27/11	WG	Temperature	22.92	deg C	CAMO-11-11326
R-16	P2A	863.4	05/27/11	WG	Temperature	22.89	deg C	CAMO-11-11323
R-16	P2A	863.4	02/16/11	WG	Temperature	22.53	deg C	CAMO-11-4641
R-16	P2A	863.4	08/18/11	WG	Turbidity	0.25	NTU	CAMO-11-24506
R-16	P2A	863.4	08/18/11	WG	Turbidity	0.25	NTU	CAMO-11-24691
R-16	P2A	863.4	08/18/11	WG	Turbidity	0.24	NTU	CAMO-11-24504
R-16	P2A	863.4	08/18/11	WG	Turbidity	0.1	NTU	CAMO-11-24502
R-16	P2A	863.4	05/27/11	WG	Turbidity	0.44	NTU	CAMO-11-11327
R-16	P2A	863.4	05/27/11	WG	Turbidity	0.38	NTU	CAMO-11-11325
R-16	P2A	863.4	05/27/11	WG	Turbidity	0.38	NTU	CAMO-11-11326
R-16	P2A	863.4	05/27/11	WG	Turbidity	0.52	NTU	CAMO-11-11323
R-16	P2A	863.4	02/16/11	WG	Turbidity	0.34	NTU	CAMO-11-4641

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16	P4A	1237	08/18/11	WG	Dissolved Oxygen	2.03	mg/L	CAMO-11-24512
R-16	P4A	1237	08/18/11	WG	Dissolved Oxygen	0.94	mg/L	CAMO-11-24510
R-16	P4A	1237	08/18/11	WG	Dissolved Oxygen	0.33	mg/L	CAMO-11-24508
R-16	P4A	1237	08/18/11	WG	Dissolved Oxygen	2.25	mg/L	CAMO-11-24689
R-16	P4A	1237	05/27/11	WG	Dissolved Oxygen	2.24	mg/L	CAMO-11-10760
R-16	P4A	1237	05/27/11	WG	Dissolved Oxygen	2.39	mg/L	CAMO-11-11334
R-16	P4A	1237	05/27/11	WG	Dissolved Oxygen	1.32	mg/L	CAMO-11-11331
R-16	P4A	1237	02/16/11	WG	Dissolved Oxygen	2.2	mg/L	CAMO-11-4644
R-16	P4A	1237	08/18/11	WG	Oxidation Reduction Potential	146.4	mV	CAMO-11-24512
R-16	P4A	1237	08/18/11	WG	Oxidation Reduction Potential	136.4	mV	CAMO-11-24510
R-16	P4A	1237	08/18/11	WG	Oxidation Reduction Potential	120.5	mV	CAMO-11-24508
R-16	P4A	1237	08/18/11	WG	Oxidation Reduction Potential	148.8	mV	CAMO-11-24689
R-16	P4A	1237	05/27/11	WG	Oxidation Reduction Potential	58.8	mV	CAMO-11-10760
R-16	P4A	1237	05/27/11	WG	Oxidation Reduction Potential	65.3	mV	CAMO-11-11334
R-16	P4A	1237	05/27/11	WG	Oxidation Reduction Potential	10.4	mV	CAMO-11-11331
R-16	P4A	1237	02/16/11	WG	Oxidation Reduction Potential	62.6	mV	CAMO-11-4644
R-16	P4A	1237	08/18/11	WG	pH	8.17	SU	CAMO-11-24512
R-16	P4A	1237	08/18/11	WG	pH	8.14	SU	CAMO-11-24510
R-16	P4A	1237	08/18/11	WG	pH	8.37	SU	CAMO-11-24508
R-16	P4A	1237	08/18/11	WG	pH	8.17	SU	CAMO-11-24689
R-16	P4A	1237	05/27/11	WG	pH	8.16	SU	CAMO-11-10760
R-16	P4A	1237	05/27/11	WG	pH	8.15	SU	CAMO-11-11334
R-16	P4A	1237	05/27/11	WG	pH	8.15	SU	CAMO-11-11331
R-16	P4A	1237	02/16/11	WG	pH	8.22	SU	CAMO-11-4644
R-16	P4A	1237	08/18/11	WG	Specific Conductance	187	µS/cm	CAMO-11-24512
R-16	P4A	1237	08/18/11	WG	Specific Conductance	190	µS/cm	CAMO-11-24510

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16	P4A	1237	08/18/11	WG	Specific Conductance	200	µS/cm	CAMO-11-24508
R-16	P4A	1237	08/18/11	WG	Specific Conductance	186	µS/cm	CAMO-11-24689
R-16	P4A	1237	05/27/11	WG	Specific Conductance	193	µS/cm	CAMO-11-10760
R-16	P4A	1237	05/27/11	WG	Specific Conductance	193	µS/cm	CAMO-11-11334
R-16	P4A	1237	05/27/11	WG	Specific Conductance	197	µS/cm	CAMO-11-11331
R-16	P4A	1237	02/16/11	WG	Specific Conductance	189	µS/cm	CAMO-11-4644
R-16	P4A	1237	08/18/11	WG	Temperature	22.62	deg C	CAMO-11-24512
R-16	P4A	1237	08/18/11	WG	Temperature	22.44	deg C	CAMO-11-24510
R-16	P4A	1237	08/18/11	WG	Temperature	22.26	deg C	CAMO-11-24508
R-16	P4A	1237	08/18/11	WG	Temperature	22.59	deg C	CAMO-11-24689
R-16	P4A	1237	05/27/11	WG	Temperature	22.24	deg C	CAMO-11-10760
R-16	P4A	1237	05/27/11	WG	Temperature	22.17	deg C	CAMO-11-11334
R-16	P4A	1237	05/27/11	WG	Temperature	21.95	deg C	CAMO-11-11331
R-16	P4A	1237	02/16/11	WG	Temperature	20.96	deg C	CAMO-11-4644
R-16	P4A	1237	08/18/11	WG	Turbidity	0.37	NTU	CAMO-11-24512
R-16	P4A	1237	08/18/11	WG	Turbidity	0.6	NTU	CAMO-11-24510
R-16	P4A	1237	08/18/11	WG	Turbidity	0.41	NTU	CAMO-11-24508
R-16	P4A	1237	08/18/11	WG	Turbidity	0.37	NTU	CAMO-11-24689
R-16	P4A	1237	05/27/11	WG	Turbidity	0.11	NTU	CAMO-11-10760
R-16	P4A	1237	05/27/11	WG	Turbidity	0.23	NTU	CAMO-11-11334
R-16	P4A	1237	05/27/11	WG	Turbidity	0.36	NTU	CAMO-11-11331
R-16	P4A	1237	02/16/11	WG	Turbidity	0.2	NTU	CAMO-11-4644
R-16r	Single	600	08/10/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-24681
R-16r	Single	600	08/10/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-24518
R-16r	Single	600	08/10/11	WG	Dissolved Oxygen	6.56	mg/L	CAMO-11-24516
R-16r	Single	600	08/10/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-24514

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16r	Single	600	05/20/11	WG	Dissolved Oxygen	6.57	mg/L	CAMO-11-10750
R-16r	Single	600	05/20/11	WG	Dissolved Oxygen	6.5	mg/L	CAMO-11-11460
R-16r	Single	600	05/20/11	WG	Dissolved Oxygen	6.57	mg/L	CAMO-11-10752
R-16r	Single	600	05/20/11	WG	Dissolved Oxygen	6.65	mg/L	CAMO-11-11458
R-16r	Single	600	05/20/11	WG	Dissolved Oxygen	6.58	mg/L	CAMO-11-11335
R-16r	Single	600	02/16/11	WG	Dissolved Oxygen	6	mg/L	CAMO-11-4647
R-16r	Single	600	08/10/11	WG	Oxidation Reduction Potential	196.4	mV	CAMO-11-24681
R-16r	Single	600	08/10/11	WG	Oxidation Reduction Potential	196.4	mV	CAMO-11-24518
R-16r	Single	600	08/10/11	WG	Oxidation Reduction Potential	198.2	mV	CAMO-11-24516
R-16r	Single	600	08/10/11	WG	Oxidation Reduction Potential	202.3	mV	CAMO-11-24514
R-16r	Single	600	05/20/11	WG	Oxidation Reduction Potential	238.6	mV	CAMO-11-10750
R-16r	Single	600	05/20/11	WG	Oxidation Reduction Potential	238.9	mV	CAMO-11-11460
R-16r	Single	600	05/20/11	WG	Oxidation Reduction Potential	238.6	mV	CAMO-11-10752
R-16r	Single	600	05/20/11	WG	Oxidation Reduction Potential	244.7	mV	CAMO-11-11335
R-16r	Single	600	02/16/11	WG	Oxidation Reduction Potential	161.2	mV	CAMO-11-4647
R-16r	Single	600	11/11/10	WG	Oxidation Reduction Potential	418.1	mV	CAMO-11-1289
R-16r	Single	600	08/10/11	WG	pH	8.22	SU	CAMO-11-24681
R-16r	Single	600	08/10/11	WG	pH	8.22	SU	CAMO-11-24518
R-16r	Single	600	08/10/11	WG	pH	8.22	SU	CAMO-11-24516
R-16r	Single	600	08/10/11	WG	pH	8.21	SU	CAMO-11-24514
R-16r	Single	600	05/20/11	WG	pH	8.23	SU	CAMO-11-10750
R-16r	Single	600	05/20/11	WG	pH	8.22	SU	CAMO-11-11460
R-16r	Single	600	05/20/11	WG	pH	8.23	SU	CAMO-11-10752
R-16r	Single	600	05/20/11	WG	pH	8.23	SU	CAMO-11-11458
R-16r	Single	600	05/20/11	WG	pH	8.24	SU	CAMO-11-11335
R-16r	Single	600	02/16/11	WG	pH	8.22	SU	CAMO-11-4647

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16r	Single	600	08/10/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24681
R-16r	Single	600	08/10/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24518
R-16r	Single	600	08/10/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24516
R-16r	Single	600	08/10/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24514
R-16r	Single	600	05/20/11	WG	Specific Conductance	181	µS/cm	CAMO-11-10750
R-16r	Single	600	05/20/11	WG	Specific Conductance	182	µS/cm	CAMO-11-11460
R-16r	Single	600	05/20/11	WG	Specific Conductance	181	µS/cm	CAMO-11-10752
R-16r	Single	600	05/20/11	WG	Specific Conductance	182	µS/cm	CAMO-11-11458
R-16r	Single	600	05/20/11	WG	Specific Conductance	182	µS/cm	CAMO-11-11335
R-16r	Single	600	02/16/11	WG	Specific Conductance	179	µS/cm	CAMO-11-4647
R-16r	Single	600	08/10/11	WG	Temperature	20.88	deg C	CAMO-11-24681
R-16r	Single	600	08/10/11	WG	Temperature	20.88	deg C	CAMO-11-24518
R-16r	Single	600	08/10/11	WG	Temperature	20.75	deg C	CAMO-11-24516
R-16r	Single	600	08/10/11	WG	Temperature	20.47	deg C	CAMO-11-24514
R-16r	Single	600	05/20/11	WG	Temperature	19.98	deg C	CAMO-11-10750
R-16r	Single	600	05/20/11	WG	Temperature	19.96	deg C	CAMO-11-11460
R-16r	Single	600	05/20/11	WG	Temperature	19.98	deg C	CAMO-11-10752
R-16r	Single	600	05/20/11	WG	Temperature	20.06	deg C	CAMO-11-11458
R-16r	Single	600	05/20/11	WG	Temperature	19.99	deg C	CAMO-11-11335
R-16r	Single	600	02/16/11	WG	Temperature	20.62	deg C	CAMO-11-4647
R-16r	Single	600	08/10/11	WG	Turbidity	0.29	NTU	CAMO-11-24681
R-16r	Single	600	08/10/11	WG	Turbidity	0.29	NTU	CAMO-11-24518
R-16r	Single	600	08/10/11	WG	Turbidity	0.43	NTU	CAMO-11-24516
R-16r	Single	600	08/10/11	WG	Turbidity	0.52	NTU	CAMO-11-24514
R-16r	Single	600	05/20/11	WG	Turbidity	0.24	NTU	CAMO-11-10750
R-16r	Single	600	05/20/11	WG	Turbidity	0.16	NTU	CAMO-11-11460

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16r	Single	600	05/20/11	WG	Turbidity	0.24	NTU	CAMO-11-10752
R-16r	Single	600	05/20/11	WG	Turbidity	0.41	NTU	CAMO-11-11458
R-16r	Single	600	05/20/11	WG	Turbidity	0.87	NTU	CAMO-11-11335
R-16r	Single	600	02/16/11	WG	Turbidity	0.64	NTU	CAMO-11-4647
R-28	Single	934.3	08/02/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-24637
R-28	Single	934.3	06/01/11	WG	Dissolved Oxygen	6.56	mg/L	CAMO-11-10705
R-28	Single	934.3	02/14/11	WG	Dissolved Oxygen	6.68	mg/L	CAMO-11-4598
R-28	Single	934.3	11/10/10	WG	Dissolved Oxygen	5.52	mg/L	CAMO-11-1271
R-28	Single	934.3	07/14/10	WG	Dissolved Oxygen	2.95	mg/L	CAMO-10-22860
R-28	Single	934.3	08/02/11	WG	Oxidation Reduction Potential	116.1	mV	CAMO-11-24637
R-28	Single	934.3	06/01/11	WG	Oxidation Reduction Potential	169	mV	CAMO-11-10705
R-28	Single	934.3	02/14/11	WG	Oxidation Reduction Potential	133	mV	CAMO-11-4598
R-28	Single	934.3	11/10/10	WG	Oxidation Reduction Potential	216.7	mV	CAMO-11-1271
R-28	Single	934.3	07/14/10	WG	Oxidation Reduction Potential	69	mV	CAMO-10-22860
R-28	Single	934.3	08/02/11	WG	pH	7.74	SU	CAMO-11-24637
R-28	Single	934.3	06/01/11	WG	pH	7.78	SU	CAMO-11-10705
R-28	Single	934.3	02/14/11	WG	pH	7.79	SU	CAMO-11-4598
R-28	Single	934.3	11/10/10	WG	pH	7.69	SU	CAMO-11-1271
R-28	Single	934.3	08/02/11	WG	Specific Conductance	424	µS/cm	CAMO-11-24637
R-28	Single	934.3	06/01/11	WG	Specific Conductance	423	µS/cm	CAMO-11-10705
R-28	Single	934.3	02/14/11	WG	Specific Conductance	402	µS/cm	CAMO-11-4598
R-28	Single	934.3	11/10/10	WG	Specific Conductance	404	µS/cm	CAMO-11-1271
R-28	Single	934.3	08/02/11	WG	Temperature	21.22	deg C	CAMO-11-24637
R-28	Single	934.3	06/01/11	WG	Temperature	22	deg C	CAMO-11-10705
R-28	Single	934.3	02/14/11	WG	Temperature	20.68	deg C	CAMO-11-4598
R-28	Single	934.3	11/10/10	WG	Temperature	18.63	deg C	CAMO-11-1271

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-28	Single	934.3	07/14/10	WG	Temperature	21.99	deg C	CAMO-10-22860
R-28	Single	934.3	08/02/11	WG	Turbidity	0.29	NTU	CAMO-11-24637
R-28	Single	934.3	06/01/11	WG	Turbidity	0.61	NTU	CAMO-11-10705
R-28	Single	934.3	02/14/11	WG	Turbidity	0.28	NTU	CAMO-11-4598
R-28	Single	934.3	11/10/10	WG	Turbidity	1.07	NTU	CAMO-11-1271
R-28	Single	934.3	07/14/10	WG	Turbidity	0.83	NTU	CAMO-10-22860
R-33	P1A	995.5	08/04/11	WG	Dissolved Oxygen	5.19	mg/L	CAMO-11-24664
R-33	P1A	995.5	05/16/11	WG	Dissolved Oxygen	5.04	mg/L	CAMO-11-10762
R-33	P1A	995.5	02/10/11	WG	Dissolved Oxygen	5.02	mg/L	CAMO-11-4661
R-33	P1A	995.5	11/18/10	WG	Dissolved Oxygen	4.18	mg/L	CAMO-11-1297
R-33	P1A	995.5	07/09/10	WG	Dissolved Oxygen	4.19	mg/L	CAMO-10-22883
R-33	P1A	995.5	08/04/11	WG	Oxidation Reduction Potential	232.1	mV	CAMO-11-24664
R-33	P1A	995.5	05/16/11	WG	Oxidation Reduction Potential	136.2	mV	CAMO-11-10762
R-33	P1A	995.5	02/10/11	WG	Oxidation Reduction Potential	88.5	mV	CAMO-11-4661
R-33	P1A	995.5	11/18/10	WG	Oxidation Reduction Potential	290.4	mV	CAMO-11-1297
R-33	P1A	995.5	07/09/10	WG	Oxidation Reduction Potential	75.7	mV	CAMO-10-22883
R-33	P1A	995.5	08/04/11	WG	pH	7.48	SU	CAMO-11-24664
R-33	P1A	995.5	05/16/11	WG	pH	7.52	SU	CAMO-11-10762
R-33	P1A	995.5	02/10/11	WG	pH	7.56	SU	CAMO-11-4661
R-33	P1A	995.5	11/18/10	WG	pH	7.4	SU	CAMO-11-1297
R-33	P1A	995.5	07/09/10	WG	pH	7.26	SU	CAMO-10-22883
R-33	P1A	995.5	08/04/11	WG	Specific Conductance	144	µS/cm	CAMO-11-24664
R-33	P1A	995.5	05/16/11	WG	Specific Conductance	146	µS/cm	CAMO-11-10762
R-33	P1A	995.5	02/10/11	WG	Specific Conductance	144	µS/cm	CAMO-11-4661
R-33	P1A	995.5	11/18/10	WG	Specific Conductance	143	µS/cm	CAMO-11-1297
R-33	P1A	995.5	07/09/10	WG	Specific Conductance	140	µS/cm	CAMO-10-22883

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-33	P1A	995.5	08/04/11	WG	Temperature	21.83	deg C	CAMO-11-24664
R-33	P1A	995.5	05/16/11	WG	Temperature	21.87	deg C	CAMO-11-10762
R-33	P1A	995.5	02/10/11	WG	Temperature	21.03	deg C	CAMO-11-4661
R-33	P1A	995.5	11/18/10	WG	Temperature	21.34	deg C	CAMO-11-1297
R-33	P1A	995.5	07/09/10	WG	Temperature	21.75	deg C	CAMO-10-22883
R-33	P1A	995.5	08/04/11	WG	Turbidity	0.39	NTU	CAMO-11-24664
R-33	P1A	995.5	05/16/11	WG	Turbidity	0.49	NTU	CAMO-11-10762
R-33	P1A	995.5	02/10/11	WG	Turbidity	0.24	NTU	CAMO-11-4661
R-33	P1A	995.5	11/18/10	WG	Turbidity	0.38	NTU	CAMO-11-1297
R-33	P1A	995.5	07/09/10	WG	Turbidity	0.46	NTU	CAMO-10-22883
R-33	P2A	1112.4	08/04/11	WG	Dissolved Oxygen	6.57	mg/L	CAMO-11-24669
R-33	P2A	1112.4	05/16/11	WG	Dissolved Oxygen	6.38	mg/L	CAMO-11-10768
R-33	P2A	1112.4	02/11/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-4667
R-33	P2A	1112.4	11/18/10	WG	Dissolved Oxygen	5.6	mg/L	CAMO-11-1300
R-33	P2A	1112.4	07/09/10	WG	Dissolved Oxygen	4.74	mg/L	CAMO-10-22885
R-33	P2A	1112.4	08/04/11	WG	Oxidation Reduction Potential	244.8	mV	CAMO-11-24669
R-33	P2A	1112.4	05/16/11	WG	Oxidation Reduction Potential	117.5	mV	CAMO-11-10768
R-33	P2A	1112.4	02/11/11	WG	Oxidation Reduction Potential	82.1	mV	CAMO-11-4667
R-33	P2A	1112.4	11/18/10	WG	Oxidation Reduction Potential	299.4	mV	CAMO-11-1300
R-33	P2A	1112.4	07/09/10	WG	Oxidation Reduction Potential	65.6	mV	CAMO-10-22885
R-33	P2A	1112.4	08/04/11	WG	pH	7.67	SU	CAMO-11-24669
R-33	P2A	1112.4	05/16/11	WG	pH	7.7	SU	CAMO-11-10768
R-33	P2A	1112.4	02/11/11	WG	pH	7.77	SU	CAMO-11-4667
R-33	P2A	1112.4	11/18/10	WG	pH	7.63	SU	CAMO-11-1300
R-33	P2A	1112.4	07/09/10	WG	pH	7.32	SU	CAMO-10-22885
R-33	P2A	1112.4	08/04/11	WG	Specific Conductance	137	µS/cm	CAMO-11-24669

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-33	P2A	1112.4	05/16/11	WG	Specific Conductance	143	µS/cm	CAMO-11-10768
R-33	P2A	1112.4	02/11/11	WG	Specific Conductance	144	µS/cm	CAMO-11-4667
R-33	P2A	1112.4	11/18/10	WG	Specific Conductance	140	µS/cm	CAMO-11-1300
R-33	P2A	1112.4	07/09/10	WG	Specific Conductance	137	µS/cm	CAMO-10-22885
R-33	P2A	1112.4	08/04/11	WG	Temperature	21.61	deg C	CAMO-11-24669
R-33	P2A	1112.4	05/16/11	WG	Temperature	22.28	deg C	CAMO-11-10768
R-33	P2A	1112.4	02/11/11	WG	Temperature	20.93	deg C	CAMO-11-4667
R-33	P2A	1112.4	11/18/10	WG	Temperature	20	deg C	CAMO-11-1300
R-33	P2A	1112.4	07/09/10	WG	Temperature	21.99	deg C	CAMO-10-22885
R-33	P2A	1112.4	08/04/11	WG	Turbidity	0.43	NTU	CAMO-11-24669
R-33	P2A	1112.4	05/16/11	WG	Turbidity	0.35	NTU	CAMO-11-10768
R-33	P2A	1112.4	02/11/11	WG	Turbidity	0.32	NTU	CAMO-11-4667
R-33	P2A	1112.4	11/18/10	WG	Turbidity	0.44	NTU	CAMO-11-1300
R-33	P2A	1112.4	07/09/10	WG	Turbidity	6.34	NTU	CAMO-10-22885
R-34	Single	883.7	08/11/11	WG	Dissolved Oxygen	5.35	mg/L	CAMO-11-24650
R-34	Single	883.7	08/11/11	WG	Dissolved Oxygen	5.37	mg/L	CAMO-11-24524
R-34	Single	883.7	08/11/11	WG	Dissolved Oxygen	6.46	mg/L	CAMO-11-24522
R-34	Single	883.7	08/11/11	WG	Dissolved Oxygen	4.78	mg/L	CAMO-11-24520
R-34	Single	883.7	05/25/11	WG	Dissolved Oxygen	4.94	mg/L	CAMO-11-11463
R-34	Single	883.7	05/25/11	WG	Dissolved Oxygen	4.54	mg/L	CAMO-11-11462
R-34	Single	883.7	02/17/11	WG	Dissolved Oxygen	5.2	mg/L	CAMO-11-4670
R-34	Single	883.7	11/09/10	WG	Dissolved Oxygen	5.01	mg/L	CAMO-11-1302
R-34	Single	883.7	08/11/11	WG	Oxidation Reduction Potential	165.3	mV	CAMO-11-24650
R-34	Single	883.7	08/11/11	WG	Oxidation Reduction Potential	165.5	mV	CAMO-11-24524
R-34	Single	883.7	08/11/11	WG	Oxidation Reduction Potential	170.5	mV	CAMO-11-24522
R-34	Single	883.7	08/11/11	WG	Oxidation Reduction Potential	174.2	mV	CAMO-11-24520

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-34	Single	883.7	05/25/11	WG	Oxidation Reduction Potential	234.9	mV	CAMO-11-11463
R-34	Single	883.7	05/25/11	WG	Oxidation Reduction Potential	240.1	mV	CAMO-11-11462
R-34	Single	883.7	02/17/11	WG	Oxidation Reduction Potential	115	mV	CAMO-11-4670
R-34	Single	883.7	11/09/10	WG	Oxidation Reduction Potential	468.9	mV	CAMO-11-1302
R-34	Single	883.7	08/11/11	WG	pH	8.38	SU	CAMO-11-24650
R-34	Single	883.7	08/11/11	WG	pH	8.38	SU	CAMO-11-24524
R-34	Single	883.7	08/11/11	WG	pH	8.38	SU	CAMO-11-24522
R-34	Single	883.7	08/11/11	WG	pH	8.42	SU	CAMO-11-24520
R-34	Single	883.7	05/25/11	WG	pH	8.39	SU	CAMO-11-11463
R-34	Single	883.7	05/25/11	WG	pH	8.41	SU	CAMO-11-11462
R-34	Single	883.7	02/17/11	WG	pH	8.37	SU	CAMO-11-4670
R-34	Single	883.7	08/11/11	WG	Specific Conductance	109	µS/cm	CAMO-11-24650
R-34	Single	883.7	08/11/11	WG	Specific Conductance	112	µS/cm	CAMO-11-24524
R-34	Single	883.7	08/11/11	WG	Specific Conductance	119	µS/cm	CAMO-11-24522
R-34	Single	883.7	08/11/11	WG	Specific Conductance	130	µS/cm	CAMO-11-24520
R-34	Single	883.7	05/25/11	WG	Specific Conductance	148	µS/cm	CAMO-11-11463
R-34	Single	883.7	05/25/11	WG	Specific Conductance	151	µS/cm	CAMO-11-11462
R-34	Single	883.7	02/17/11	WG	Specific Conductance	119	µS/cm	CAMO-11-4670
R-34	Single	883.7	08/11/11	WG	Temperature	22.55	deg C	CAMO-11-24650
R-34	Single	883.7	08/11/11	WG	Temperature	22.62	deg C	CAMO-11-24524
R-34	Single	883.7	08/11/11	WG	Temperature	22.62	deg C	CAMO-11-24522
R-34	Single	883.7	08/11/11	WG	Temperature	22.2	deg C	CAMO-11-24520
R-34	Single	883.7	05/25/11	WG	Temperature	22.16	deg C	CAMO-11-11463
R-34	Single	883.7	05/25/11	WG	Temperature	21.73	deg C	CAMO-11-11462
R-34	Single	883.7	02/17/11	WG	Temperature	21.97	deg C	CAMO-11-4670
R-34	Single	883.7	11/09/10	WG	Temperature	20.99	deg C	CAMO-11-1302

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-34	Single	883.7	08/11/11	WG	Turbidity	1.74	NTU	CAMO-11-24650
R-34	Single	883.7	08/11/11	WG	Turbidity	1.55	NTU	CAMO-11-24524
R-34	Single	883.7	08/11/11	WG	Turbidity	2.18	NTU	CAMO-11-24522
R-34	Single	883.7	08/11/11	WG	Turbidity	10.1	NTU	CAMO-11-24520
R-34	Single	883.7	05/25/11	WG	Turbidity	2.95	NTU	CAMO-11-11463
R-34	Single	883.7	05/25/11	WG	Turbidity	13.1	NTU	CAMO-11-11462
R-34	Single	883.7	02/17/11	WG	Turbidity	1.99	NTU	CAMO-11-4670
R-34	Single	883.7	11/09/10	WG	Turbidity	1.89	NTU	CAMO-11-1302
R-42	Single	931.8	08/02/11	WG	Dissolved Oxygen	6.79	mg/L	CAMO-11-24639
R-42	Single	931.8	05/31/11	WG	Dissolved Oxygen	6.82	mg/L	CAMO-11-10717
R-42	Single	931.8	02/18/11	WG	Dissolved Oxygen	6.88	mg/L	CAMO-11-4601
R-42	Single	931.8	11/10/10	WG	Dissolved Oxygen	6.55	mg/L	CAMO-11-1273
R-42	Single	931.8	07/13/10	WG	Dissolved Oxygen	6.13	mg/L	CAMO-10-22891
R-42	Single	931.8	08/02/11	WG	Oxidation Reduction Potential	81.7	mV	CAMO-11-24639
R-42	Single	931.8	05/31/11	WG	Oxidation Reduction Potential	249.8	mV	CAMO-11-10717
R-42	Single	931.8	02/18/11	WG	Oxidation Reduction Potential	213.6	mV	CAMO-11-4601
R-42	Single	931.8	11/10/10	WG	Oxidation Reduction Potential	300.4	mV	CAMO-11-1273
R-42	Single	931.8	07/13/10	WG	Oxidation Reduction Potential	406.6	mV	CAMO-10-22891
R-42	Single	931.8	08/02/11	WG	pH	7.54	SU	CAMO-11-24639
R-42	Single	931.8	05/31/11	WG	pH	7.47	SU	CAMO-11-10717
R-42	Single	931.8	02/18/11	WG	pH	7.5	SU	CAMO-11-4601
R-42	Single	931.8	11/10/10	WG	pH	7.47	SU	CAMO-11-1273
R-42	Single	931.8	07/13/10	WG	pH	7.18	SU	CAMO-10-22891
R-42	Single	931.8	08/02/11	WG	Specific Conductance	486	µS/cm	CAMO-11-24639
R-42	Single	931.8	05/31/11	WG	Specific Conductance	481	µS/cm	CAMO-11-10717
R-42	Single	931.8	02/18/11	WG	Specific Conductance	428	µS/cm	CAMO-11-4601

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-42	Single	931.8	11/10/10	WG	Specific Conductance	466	µS/cm	CAMO-11-1273
R-42	Single	931.8	07/13/10	WG	Specific Conductance	471	µS/cm	CAMO-10-22891
R-42	Single	931.8	08/02/11	WG	Temperature	20.43	deg C	CAMO-11-24639
R-42	Single	931.8	05/31/11	WG	Temperature	20.41	deg C	CAMO-11-10717
R-42	Single	931.8	02/18/11	WG	Temperature	18.19	deg C	CAMO-11-4601
R-42	Single	931.8	11/10/10	WG	Temperature	19.42	deg C	CAMO-11-1273
R-42	Single	931.8	07/13/10	WG	Temperature	21.1	deg C	CAMO-10-22891
R-42	Single	931.8	08/02/11	WG	Turbidity	1.37	NTU	CAMO-11-24639
R-42	Single	931.8	05/31/11	WG	Turbidity	0.71	NTU	CAMO-11-10717
R-42	Single	931.8	02/18/11	WG	Turbidity	1.1	NTU	CAMO-11-4601
R-42	Single	931.8	11/10/10	WG	Turbidity	1.22	NTU	CAMO-11-1273
R-42	Single	931.8	07/13/10	WG	Turbidity	1.32	NTU	CAMO-10-22891
R-44	P1A	895	08/05/11	WG	Dissolved Oxygen	5.56	mg/L	CAMO-11-24645
R-44	P1A	895	05/19/11	WG	Dissolved Oxygen	5.33	mg/L	CAMO-11-10706
R-44	P1A	895	02/25/11	WG	Dissolved Oxygen	5.74	mg/L	CAMO-11-4603
R-44	P1A	895	11/18/10	WG	Dissolved Oxygen	3.87	mg/L	CAMO-11-1276
R-44	P1A	895	07/14/10	WG	Dissolved Oxygen	3.25	mg/L	CAMO-10-22866
R-44	P1A	895	08/05/11	WG	Oxidation Reduction Potential	103.8	mV	CAMO-11-24645
R-44	P1A	895	05/19/11	WG	Oxidation Reduction Potential	151	mV	CAMO-11-10706
R-44	P1A	895	02/25/11	WG	Oxidation Reduction Potential	94.8	mV	CAMO-11-4603
R-44	P1A	895	11/18/10	WG	Oxidation Reduction Potential	259	mV	CAMO-11-1276
R-44	P1A	895	07/14/10	WG	Oxidation Reduction Potential	393.4	mV	CAMO-10-22866
R-44	P1A	895	08/05/11	WG	pH	7.84	SU	CAMO-11-24645
R-44	P1A	895	05/19/11	WG	pH	7.8	SU	CAMO-11-10706
R-44	P1A	895	02/25/11	WG	pH	7.88	SU	CAMO-11-4603
R-44	P1A	895	11/18/10	WG	pH	7.67	SU	CAMO-11-1276

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44	P1A	895	07/14/10	WG	pH	7.53	SU	CAMO-10-22866
R-44	P1A	895	08/05/11	WG	Specific Conductance	133	µS/cm	CAMO-11-24645
R-44	P1A	895	05/19/11	WG	Specific Conductance	133	µS/cm	CAMO-11-10706
R-44	P1A	895	02/25/11	WG	Specific Conductance	130	µS/cm	CAMO-11-4603
R-44	P1A	895	11/18/10	WG	Specific Conductance	130	µS/cm	CAMO-11-1276
R-44	P1A	895	07/14/10	WG	Specific Conductance	138	µS/cm	CAMO-10-22866
R-44	P1A	895	08/05/11	WG	Temperature	21.3	deg C	CAMO-11-24645
R-44	P1A	895	05/19/11	WG	Temperature	20.16	deg C	CAMO-11-10706
R-44	P1A	895	02/25/11	WG	Temperature	20.18	deg C	CAMO-11-4603
R-44	P1A	895	11/18/10	WG	Temperature	20.5	deg C	CAMO-11-1276
R-44	P1A	895	07/14/10	WG	Temperature	22.29	deg C	CAMO-10-22866
R-44	P1A	895	08/05/11	WG	Turbidity	0.58	NTU	CAMO-11-24645
R-44	P1A	895	05/19/11	WG	Turbidity	0.45	NTU	CAMO-11-10706
R-44	P1A	895	02/25/11	WG	Turbidity	0	NTU	CAMO-11-4603
R-44	P1A	895	11/18/10	WG	Turbidity	0.67	NTU	CAMO-11-1276
R-44	P1A	895	07/14/10	WG	Turbidity	1.13	NTU	CAMO-10-22866
R-44	P2A	985.3	08/05/11	WG	Dissolved Oxygen	7.16	mg/L	CAMO-11-24648
R-44	P2A	985.3	08/05/11	WG	Dissolved Oxygen	7.16	mg/L	CAMO-11-24530
R-44	P2A	985.3	08/05/11	WG	Dissolved Oxygen	6.99	mg/L	CAMO-11-24528
R-44	P2A	985.3	08/05/11	WG	Dissolved Oxygen	6.87	mg/L	CAMO-11-24526
R-44	P2A	985.3	05/19/11	WG	Dissolved Oxygen	6.82	mg/L	CAMO-11-10708
R-44	P2A	985.3	05/19/11	WG	Dissolved Oxygen	6.82	mg/L	CAMO-11-11471
R-44	P2A	985.3	05/19/11	WG	Dissolved Oxygen	6.94	mg/L	CAMO-11-11469
R-44	P2A	985.3	05/19/11	WG	Dissolved Oxygen	6.94	mg/L	CAMO-11-11467
R-44	P2A	985.3	08/05/11	WG	Oxidation Reduction Potential	95.1	mV	CAMO-11-24648
R-44	P2A	985.3	08/05/11	WG	Oxidation Reduction Potential	95.1	mV	CAMO-11-24530

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44	P2A	985.3	08/05/11	WG	Oxidation Reduction Potential	86.6	mV	CAMO-11-24528
R-44	P2A	985.3	08/05/11	WG	Oxidation Reduction Potential	49.3	mV	CAMO-11-24526
R-44	P2A	985.3	05/19/11	WG	Oxidation Reduction Potential	123	mV	CAMO-11-10708
R-44	P2A	985.3	05/19/11	WG	Oxidation Reduction Potential	123	mV	CAMO-11-11471
R-44	P2A	985.3	05/19/11	WG	Oxidation Reduction Potential	108.8	mV	CAMO-11-11469
R-44	P2A	985.3	05/19/11	WG	Oxidation Reduction Potential	71.9	mV	CAMO-11-11467
R-44	P2A	985.3	08/05/11	WG	pH	7.93	SU	CAMO-11-24648
R-44	P2A	985.3	08/05/11	WG	pH	7.93	SU	CAMO-11-24530
R-44	P2A	985.3	08/05/11	WG	pH	7.93	SU	CAMO-11-24528
R-44	P2A	985.3	08/05/11	WG	pH	7.92	SU	CAMO-11-24526
R-44	P2A	985.3	05/19/11	WG	pH	7.9	SU	CAMO-11-10708
R-44	P2A	985.3	05/19/11	WG	pH	7.9	SU	CAMO-11-11471
R-44	P2A	985.3	05/19/11	WG	pH	7.89	SU	CAMO-11-11469
R-44	P2A	985.3	05/19/11	WG	pH	7.9	SU	CAMO-11-11467
R-44	P2A	985.3	08/05/11	WG	Specific Conductance	146	µS/cm	CAMO-11-24648
R-44	P2A	985.3	08/05/11	WG	Specific Conductance	146	µS/cm	CAMO-11-24530
R-44	P2A	985.3	08/05/11	WG	Specific Conductance	148	µS/cm	CAMO-11-24528
R-44	P2A	985.3	08/05/11	WG	Specific Conductance	150	µS/cm	CAMO-11-24526
R-44	P2A	985.3	05/19/11	WG	Specific Conductance	147	µS/cm	CAMO-11-10708
R-44	P2A	985.3	05/19/11	WG	Specific Conductance	147	µS/cm	CAMO-11-11471
R-44	P2A	985.3	05/19/11	WG	Specific Conductance	148	µS/cm	CAMO-11-11469
R-44	P2A	985.3	05/19/11	WG	Specific Conductance	150	µS/cm	CAMO-11-11467
R-44	P2A	985.3	08/05/11	WG	Temperature	21.38	deg C	CAMO-11-24648
R-44	P2A	985.3	08/05/11	WG	Temperature	21.38	deg C	CAMO-11-24530
R-44	P2A	985.3	08/05/11	WG	Temperature	21.48	deg C	CAMO-11-24528
R-44	P2A	985.3	08/05/11	WG	Temperature	20.53	deg C	CAMO-11-24526

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44	P2A	985.3	05/19/11	WG	Temperature	20.43	deg C	CAMO-11-10708
R-44	P2A	985.3	05/19/11	WG	Temperature	20.43	deg C	CAMO-11-11471
R-44	P2A	985.3	05/19/11	WG	Temperature	20.44	deg C	CAMO-11-11469
R-44	P2A	985.3	05/19/11	WG	Temperature	19.67	deg C	CAMO-11-11467
R-44	P2A	985.3	08/05/11	WG	Turbidity	0.26	NTU	CAMO-11-24648
R-44	P2A	985.3	08/05/11	WG	Turbidity	0.26	NTU	CAMO-11-24530
R-44	P2A	985.3	08/05/11	WG	Turbidity	0.39	NTU	CAMO-11-24528
R-44	P2A	985.3	08/05/11	WG	Turbidity	0.33	NTU	CAMO-11-24526
R-44	P2A	985.3	05/19/11	WG	Turbidity	0.33	NTU	CAMO-11-10708
R-44	P2A	985.3	05/19/11	WG	Turbidity	0.33	NTU	CAMO-11-11471
R-44	P2A	985.3	05/19/11	WG	Turbidity	0.4	NTU	CAMO-11-11469
R-44	P2A	985.3	05/19/11	WG	Turbidity	0.3	NTU	CAMO-11-11467
R-45	P1A	880	08/01/11	WG	Dissolved Oxygen	7.08	mg/L	CAMO-11-24642
R-45	P1A	880	05/20/11	WG	Dissolved Oxygen	7.2	mg/L	CAMO-11-10711
R-45	P1A	880	02/10/11	WG	Dissolved Oxygen	7.29	mg/L	CAMO-11-4607
R-45	P1A	880	11/19/10	WG	Dissolved Oxygen	5.36	mg/L	CAMO-11-1279
R-45	P1A	880	07/02/10	WG	Dissolved Oxygen	6.13	mg/L	CAMO-10-22877
R-45	P1A	880	08/01/11	WG	Oxidation Reduction Potential	119.5	mV	CAMO-11-24642
R-45	P1A	880	05/20/11	WG	Oxidation Reduction Potential	89.7	mV	CAMO-11-10711
R-45	P1A	880	02/10/11	WG	Oxidation Reduction Potential	73.5	mV	CAMO-11-4607
R-45	P1A	880	11/19/10	WG	Oxidation Reduction Potential	206.9	mV	CAMO-11-1279
R-45	P1A	880	07/02/10	WG	Oxidation Reduction Potential	125.7	mV	CAMO-10-22877
R-45	P1A	880	08/01/11	WG	pH	7.81	SU	CAMO-11-24642
R-45	P1A	880	05/20/11	WG	pH	7.89	SU	CAMO-11-10711
R-45	P1A	880	02/10/11	WG	pH	7.83	SU	CAMO-11-4607
R-45	P1A	880	11/19/10	WG	pH	7.66	SU	CAMO-11-1279

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45	P1A	880	07/02/10	WG	pH	7.62	SU	CAMO-10-22877
R-45	P1A	880	08/01/11	WG	Specific Conductance	178	µS/cm	CAMO-11-24642
R-45	P1A	880	05/20/11	WG	Specific Conductance	175	µS/cm	CAMO-11-10711
R-45	P1A	880	02/10/11	WG	Specific Conductance	179	µS/cm	CAMO-11-4607
R-45	P1A	880	11/19/10	WG	Specific Conductance	174	µS/cm	CAMO-11-1279
R-45	P1A	880	07/02/10	WG	Specific Conductance	161	µS/cm	CAMO-10-22877
R-45	P1A	880	08/01/11	WG	Temperature	21.48	deg C	CAMO-11-24642
R-45	P1A	880	05/20/11	WG	Temperature	20.2	deg C	CAMO-11-10711
R-45	P1A	880	02/10/11	WG	Temperature	20.07	deg C	CAMO-11-4607
R-45	P1A	880	11/19/10	WG	Temperature	18.95	deg C	CAMO-11-1279
R-45	P1A	880	07/02/10	WG	Temperature	21.8	deg C	CAMO-10-22877
R-45	P1A	880	08/01/11	WG	Turbidity	0.25	NTU	CAMO-11-24642
R-45	P1A	880	05/20/11	WG	Turbidity	0.14	NTU	CAMO-11-10711
R-45	P1A	880	02/10/11	WG	Turbidity	0.23	NTU	CAMO-11-4607
R-45	P1A	880	11/19/10	WG	Turbidity	0.49	NTU	CAMO-11-1279
R-45	P1A	880	07/02/10	WG	Turbidity	0.87	NTU	CAMO-10-22877
R-45	P2A	974.9	08/01/11	WG	Dissolved Oxygen	6.55	mg/L	CAMO-11-24644
R-45	P2A	974.9	05/20/11	WG	Dissolved Oxygen	6.61	mg/L	CAMO-11-10713
R-45	P2A	974.9	02/11/11	WG	Dissolved Oxygen	6.26	mg/L	CAMO-11-4609
R-45	P2A	974.9	11/19/10	WG	Dissolved Oxygen	5.36	mg/L	CAMO-11-1282
R-45	P2A	974.9	07/02/10	WG	Dissolved Oxygen	4.56	mg/L	CAMO-10-22874
R-45	P2A	974.9	08/01/11	WG	Oxidation Reduction Potential	131.5	mV	CAMO-11-24644
R-45	P2A	974.9	05/20/11	WG	Oxidation Reduction Potential	100.9	mV	CAMO-11-10713
R-45	P2A	974.9	02/11/11	WG	Oxidation Reduction Potential	88.5	mV	CAMO-11-4609
R-45	P2A	974.9	11/19/10	WG	Oxidation Reduction Potential	185.2	mV	CAMO-11-1282
R-45	P2A	974.9	07/02/10	WG	Oxidation Reduction Potential	73.3	mV	CAMO-10-22874

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45	P2A	974.9	08/01/11	WG	pH	8.08	SU	CAMO-11-24644
R-45	P2A	974.9	05/20/11	WG	pH	8.15	SU	CAMO-11-10713
R-45	P2A	974.9	02/11/11	WG	pH	8.19	SU	CAMO-11-4609
R-45	P2A	974.9	11/19/10	WG	pH	8.04	SU	CAMO-11-1282
R-45	P2A	974.9	07/02/10	WG	pH	7.9	SU	CAMO-10-22874
R-45	P2A	974.9	08/01/11	WG	Specific Conductance	173	µS/cm	CAMO-11-24644
R-45	P2A	974.9	05/20/11	WG	Specific Conductance	168	µS/cm	CAMO-11-10713
R-45	P2A	974.9	02/11/11	WG	Specific Conductance	170	µS/cm	CAMO-11-4609
R-45	P2A	974.9	11/19/10	WG	Specific Conductance	170	µS/cm	CAMO-11-1282
R-45	P2A	974.9	07/02/10	WG	Specific Conductance	160	µS/cm	CAMO-10-22874
R-45	P2A	974.9	08/01/11	WG	Temperature	21.56	deg C	CAMO-11-24644
R-45	P2A	974.9	05/20/11	WG	Temperature	21.06	deg C	CAMO-11-10713
R-45	P2A	974.9	02/11/11	WG	Temperature	20.61	deg C	CAMO-11-4609
R-45	P2A	974.9	11/19/10	WG	Temperature	19.78	deg C	CAMO-11-1282
R-45	P2A	974.9	07/02/10	WG	Temperature	24.78	deg C	CAMO-10-22874
R-45	P2A	974.9	08/01/11	WG	Turbidity	0.16	NTU	CAMO-11-24644
R-45	P2A	974.9	05/20/11	WG	Turbidity	0.34	NTU	CAMO-11-10713
R-45	P2A	974.9	02/11/11	WG	Turbidity	0.29	NTU	CAMO-11-4609
R-45	P2A	974.9	11/19/10	WG	Turbidity	0.62	NTU	CAMO-11-1282
R-45	P2A	974.9	07/02/10	WG	Turbidity	0.77	NTU	CAMO-10-22874
R-46	Single	1340	08/03/11	WG	Dissolved Oxygen	6.39	mg/L	CAMO-11-24656
R-46	Single	1340	05/17/11	WG	Dissolved Oxygen	6.59	mg/L	CAMO-11-10733
R-46	Single	1340	02/17/11	WG	Dissolved Oxygen	6.5	mg/L	CAMO-11-4623
R-46	Single	1340	11/12/10	WG	Dissolved Oxygen	5.49	mg/L	CAMO-11-1285
R-46	Single	1340	07/01/10	WG	Dissolved Oxygen	6.02	mg/L	CAMO-10-22890
R-46	Single	1340	08/03/11	WG	Oxidation Reduction Potential	167.9	mV	CAMO-11-24656

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-46	Single	1340	05/17/11	WG	Oxidation Reduction Potential	105.4	mV	CAMO-11-10733
R-46	Single	1340	02/17/11	WG	Oxidation Reduction Potential	61.5	mV	CAMO-11-4623
R-46	Single	1340	11/12/10	WG	Oxidation Reduction Potential	179.6	mV	CAMO-11-1285
R-46	Single	1340	07/01/10	WG	Oxidation Reduction Potential	96.1	mV	CAMO-10-22890
R-46	Single	1340	08/03/11	WG	pH	7.62	SU	CAMO-11-24656
R-46	Single	1340	05/17/11	WG	pH	7.92	SU	CAMO-11-10733
R-46	Single	1340	02/17/11	WG	pH	7.75	SU	CAMO-11-4623
R-46	Single	1340	11/12/10	WG	pH	7.9	SU	CAMO-11-1285
R-46	Single	1340	07/01/10	WG	pH	7.88	SU	CAMO-10-22890
R-46	Single	1340	08/03/11	WG	Specific Conductance	126	µS/cm	CAMO-11-24656
R-46	Single	1340	05/17/11	WG	Specific Conductance	122	µS/cm	CAMO-11-10733
R-46	Single	1340	02/17/11	WG	Specific Conductance	125	µS/cm	CAMO-11-4623
R-46	Single	1340	11/12/10	WG	Specific Conductance	126	µS/cm	CAMO-11-1285
R-46	Single	1340	07/01/10	WG	Specific Conductance	124	µS/cm	CAMO-10-22890
R-46	Single	1340	08/03/11	WG	Temperature	21.52	deg C	CAMO-11-24656
R-46	Single	1340	05/17/11	WG	Temperature	21.12	deg C	CAMO-11-10733
R-46	Single	1340	02/17/11	WG	Temperature	20.44	deg C	CAMO-11-4623
R-46	Single	1340	11/12/10	WG	Temperature	19.77	deg C	CAMO-11-1285
R-46	Single	1340	07/01/10	WG	Temperature	21.92	deg C	CAMO-10-22890
R-46	Single	1340	08/03/11	WG	Turbidity	1.51	NTU	CAMO-11-24656
R-46	Single	1340	05/17/11	WG	Turbidity	1.77	NTU	CAMO-11-10733
R-46	Single	1340	02/17/11	WG	Turbidity	1.57	NTU	CAMO-11-4623
R-46	Single	1340	11/12/10	WG	Turbidity	1.56	NTU	CAMO-11-1285
R-46	Single	1340	07/01/10	WG	Turbidity	2.04	NTU	CAMO-10-22890
R-50	P1A	1077	08/04/11	WG	Dissolved Oxygen	5.13	mg/L	CAMO-11-24536
R-50	P1A	1077	08/04/11	WG	Dissolved Oxygen	5.13	mg/L	CAMO-11-24673

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50	P1A	1077	08/04/11	WG	Dissolved Oxygen	4.69	mg/L	CAMO-11-24534
R-50	P1A	1077	08/04/11	WG	Dissolved Oxygen	4.3	mg/L	CAMO-11-24532
R-50	P1A	1077	05/25/11	WG	Dissolved Oxygen	5.02	mg/L	CAMO-11-10720
R-50	P1A	1077	05/25/11	WG	Dissolved Oxygen	5.02	mg/L	CAMO-11-11477
R-50	P1A	1077	05/25/11	WG	Dissolved Oxygen	4.53	mg/L	CAMO-11-11476
R-50	P1A	1077	05/25/11	WG	Dissolved Oxygen	3.36	mg/L	CAMO-11-11473
R-50	P1A	1077	08/04/11	WG	Oxidation Reduction Potential	-0.9	mV	CAMO-11-24673
R-50	P1A	1077	08/04/11	WG	Oxidation Reduction Potential	-0.9	mV	CAMO-11-24536
R-50	P1A	1077	08/04/11	WG	Oxidation Reduction Potential	-14.4	mV	CAMO-11-24534
R-50	P1A	1077	08/04/11	WG	Oxidation Reduction Potential	-39.9	mV	CAMO-11-24532
R-50	P1A	1077	05/25/11	WG	Oxidation Reduction Potential	221.1	mV	CAMO-11-10720
R-50	P1A	1077	05/25/11	WG	Oxidation Reduction Potential	221.1	mV	CAMO-11-11477
R-50	P1A	1077	05/25/11	WG	Oxidation Reduction Potential	219.8	mV	CAMO-11-11476
R-50	P1A	1077	05/25/11	WG	Oxidation Reduction Potential	220	mV	CAMO-11-11473
R-50	P1A	1077	08/04/11	WG	pH	7.89	SU	CAMO-11-24673
R-50	P1A	1077	08/04/11	WG	pH	7.89	SU	CAMO-11-24536
R-50	P1A	1077	08/04/11	WG	pH	7.93	SU	CAMO-11-24534
R-50	P1A	1077	08/04/11	WG	pH	8.04	SU	CAMO-11-24532
R-50	P1A	1077	05/25/11	WG	pH	7.9	SU	CAMO-11-10720
R-50	P1A	1077	05/25/11	WG	pH	7.9	SU	CAMO-11-11477
R-50	P1A	1077	05/25/11	WG	pH	7.92	SU	CAMO-11-11476
R-50	P1A	1077	05/25/11	WG	pH	7.94	SU	CAMO-11-11473
R-50	P1A	1077	08/04/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24536
R-50	P1A	1077	08/04/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24673
R-50	P1A	1077	08/04/11	WG	Specific Conductance	186	µS/cm	CAMO-11-24534
R-50	P1A	1077	08/04/11	WG	Specific Conductance	191	µS/cm	CAMO-11-24532

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50	P1A	1077	05/25/11	WG	Specific Conductance	140	µS/cm	CAMO-11-10720
R-50	P1A	1077	05/25/11	WG	Specific Conductance	140	µS/cm	CAMO-11-11477
R-50	P1A	1077	05/25/11	WG	Specific Conductance	149	µS/cm	CAMO-11-11476
R-50	P1A	1077	05/25/11	WG	Specific Conductance	162	µS/cm	CAMO-11-11473
R-50	P1A	1077	08/04/11	WG	Temperature	20.91	deg C	CAMO-11-24673
R-50	P1A	1077	08/04/11	WG	Temperature	20.91	deg C	CAMO-11-24536
R-50	P1A	1077	08/04/11	WG	Temperature	20.68	deg C	CAMO-11-24534
R-50	P1A	1077	08/04/11	WG	Temperature	20.13	deg C	CAMO-11-24532
R-50	P1A	1077	05/25/11	WG	Temperature	21.36	deg C	CAMO-11-10720
R-50	P1A	1077	05/25/11	WG	Temperature	21.36	deg C	CAMO-11-11477
R-50	P1A	1077	05/25/11	WG	Temperature	21.16	deg C	CAMO-11-11476
R-50	P1A	1077	05/25/11	WG	Temperature	20.49	deg C	CAMO-11-11473
R-50	P1A	1077	08/04/11	WG	Turbidity	1.69	NTU	CAMO-11-24673
R-50	P1A	1077	08/04/11	WG	Turbidity	1.69	NTU	CAMO-11-24536
R-50	P1A	1077	08/04/11	WG	Turbidity	2.18	NTU	CAMO-11-24534
R-50	P1A	1077	08/04/11	WG	Turbidity	1.41	NTU	CAMO-11-24532
R-50	P1A	1077	05/25/11	WG	Turbidity	1.52	NTU	CAMO-11-10720
R-50	P1A	1077	05/25/11	WG	Turbidity	1.52	NTU	CAMO-11-11477
R-50	P1A	1077	05/25/11	WG	Turbidity	1.71	NTU	CAMO-11-11476
R-50	P1A	1077	05/25/11	WG	Turbidity	0.79	NTU	CAMO-11-11473
R-50	P2A	1185	08/08/11	WG	Dissolved Oxygen	6.83	mg/L	CAMO-11-24542
R-50	P2A	1185	08/08/11	WG	Dissolved Oxygen	6.83	mg/L	CAMO-11-24679
R-50	P2A	1185	08/08/11	WG	Dissolved Oxygen	6.85	mg/L	CAMO-11-24540
R-50	P2A	1185	08/08/11	WG	Dissolved Oxygen	7.12	mg/L	CAMO-11-24538
R-50	P2A	1185	05/24/11	WG	Dissolved Oxygen	6.27	mg/L	CAMO-11-11484
R-50	P2A	1185	05/24/11	WG	Dissolved Oxygen	6.28	mg/L	CAMO-11-10726

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50	P2A	1185	05/24/11	WG	Dissolved Oxygen	5.89	mg/L	CAMO-11-11482
R-50	P2A	1185	05/24/11	WG	Dissolved Oxygen	6.42	mg/L	CAMO-11-11479
R-50	P2A	1185	08/08/11	WG	Oxidation Reduction Potential	133.5	mV	CAMO-11-24679
R-50	P2A	1185	08/08/11	WG	Oxidation Reduction Potential	133.5	mV	CAMO-11-24542
R-50	P2A	1185	08/08/11	WG	Oxidation Reduction Potential	119.6	mV	CAMO-11-24540
R-50	P2A	1185	08/08/11	WG	Oxidation Reduction Potential	91.6	mV	CAMO-11-24538
R-50	P2A	1185	05/24/11	WG	Oxidation Reduction Potential	129.3	mV	CAMO-11-11484
R-50	P2A	1185	05/24/11	WG	Oxidation Reduction Potential	130.1	mV	CAMO-11-10726
R-50	P2A	1185	05/24/11	WG	Oxidation Reduction Potential	121	mV	CAMO-11-11482
R-50	P2A	1185	05/24/11	WG	Oxidation Reduction Potential	99.7	mV	CAMO-11-11479
R-50	P2A	1185	08/08/11	WG	pH	8.15	SU	CAMO-11-24679
R-50	P2A	1185	08/08/11	WG	pH	8.15	SU	CAMO-11-24542
R-50	P2A	1185	08/08/11	WG	pH	8.17	SU	CAMO-11-24540
R-50	P2A	1185	08/08/11	WG	pH	8.14	SU	CAMO-11-24538
R-50	P2A	1185	05/24/11	WG	pH	8.09	SU	CAMO-11-11484
R-50	P2A	1185	05/24/11	WG	pH	8.09	SU	CAMO-11-10726
R-50	P2A	1185	05/24/11	WG	pH	8.08	SU	CAMO-11-11482
R-50	P2A	1185	05/24/11	WG	pH	8.09	SU	CAMO-11-11479
R-50	P2A	1185	08/08/11	WG	Specific Conductance	132	µS/cm	CAMO-11-24542
R-50	P2A	1185	08/08/11	WG	Specific Conductance	132	µS/cm	CAMO-11-24679
R-50	P2A	1185	08/08/11	WG	Specific Conductance	136	µS/cm	CAMO-11-24540
R-50	P2A	1185	08/08/11	WG	Specific Conductance	129	µS/cm	CAMO-11-24538
R-50	P2A	1185	05/24/11	WG	Specific Conductance	127	µS/cm	CAMO-11-11484
R-50	P2A	1185	05/24/11	WG	Specific Conductance	126	µS/cm	CAMO-11-10726
R-50	P2A	1185	05/24/11	WG	Specific Conductance	111	µS/cm	CAMO-11-11482
R-50	P2A	1185	05/24/11	WG	Specific Conductance	114	µS/cm	CAMO-11-11479

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50	P2A	1185	08/08/11	WG	Temperature	21.96	deg C	CAMO-11-24542
R-50	P2A	1185	08/08/11	WG	Temperature	21.96	deg C	CAMO-11-24679
R-50	P2A	1185	08/08/11	WG	Temperature	21.73	deg C	CAMO-11-24540
R-50	P2A	1185	08/08/11	WG	Temperature	21.46	deg C	CAMO-11-24538
R-50	P2A	1185	05/24/11	WG	Temperature	21.2	deg C	CAMO-11-11484
R-50	P2A	1185	05/24/11	WG	Temperature	21.27	deg C	CAMO-11-10726
R-50	P2A	1185	05/24/11	WG	Temperature	20.89	deg C	CAMO-11-11482
R-50	P2A	1185	05/24/11	WG	Temperature	19.59	deg C	CAMO-11-11479
R-50	P2A	1185	08/08/11	WG	Turbidity	0.95	NTU	CAMO-11-24679
R-50	P2A	1185	08/08/11	WG	Turbidity	0.95	NTU	CAMO-11-24542
R-50	P2A	1185	08/08/11	WG	Turbidity	0.45	NTU	CAMO-11-24540
R-50	P2A	1185	08/08/11	WG	Turbidity	0.96	NTU	CAMO-11-24538
R-50	P2A	1185	05/24/11	WG	Turbidity	1.24	NTU	CAMO-11-11484
R-50	P2A	1185	05/24/11	WG	Turbidity	1.3	NTU	CAMO-11-10726
R-50	P2A	1185	05/24/11	WG	Turbidity	1.15	NTU	CAMO-11-11482
R-50	P2A	1185	05/24/11	WG	Turbidity	1.03	NTU	CAMO-11-11479
R-61	P1A	1125	08/18/11	WG	Dissolved Oxygen	2.01	mg/L	CAMO-11-24698
R-61	P1A	1125	05/20/11	WG	Dissolved Oxygen	5.52	mg/L	CAMO-11-13847
R-61	P1A	1125	05/20/11	WG	Dissolved Oxygen	5.85	mg/L	CAMO-11-10852
R-61	P1A	1125	08/18/11	WG	Oxidation Reduction Potential	-99.2	mV	CAMO-11-24698
R-61	P1A	1125	05/20/11	WG	Oxidation Reduction Potential	135.7	mV	CAMO-11-13847
R-61	P1A	1125	05/20/11	WG	Oxidation Reduction Potential	311.2	mV	CAMO-11-10852
R-61	P1A	1125	08/18/11	WG	pH	7.16	SU	CAMO-11-24698
R-61	P1A	1125	05/20/11	WG	pH	7.74	SU	CAMO-11-13847
R-61	P1A	1125	05/20/11	WG	pH	7.47	SU	CAMO-11-10852
R-61	P1A	1125	08/18/11	WG	Specific Conductance	197	µS/cm	CAMO-11-24698

Table A-1 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61	P1A	1125	05/20/11	WG	Specific Conductance	169	µS/cm	CAMO-11-10852
R-61	P1A	1125	08/18/11	WG	Temperature	21.61	deg C	CAMO-11-24698
R-61	P1A	1125	05/20/11	WG	Temperature	19.65	deg C	CAMO-11-13847
R-61	P1A	1125	05/20/11	WG	Temperature	19.25	deg C	CAMO-11-10852
R-61	P1A	1125	08/18/11	WG	Turbidity	1.68	NTU	CAMO-11-24698
R-61	P1A	1125	05/20/11	WG	Turbidity	0	NTU	CAMO-11-13847
R-61	P1A	1125	05/20/11	WG	Turbidity	7.45	NTU	CAMO-11-10852
R-61	P2A	1220.4	08/19/11	WG	Dissolved Oxygen	0.8	mg/L	CAMO-11-24703
R-61	P2A	1220.4	05/24/11	WG	Dissolved Oxygen	7.72	mg/L	CAMO-11-11689
R-61	P2A	1220.4	05/24/11	WG	Dissolved Oxygen	7.66	mg/L	CAMO-11-13848
R-61	P2A	1220.4	08/19/11	WG	Oxidation Reduction Potential	-108.9	mV	CAMO-11-24703
R-61	P2A	1220.4	05/24/11	WG	Oxidation Reduction Potential	177.7	mV	CAMO-11-11689
R-61	P2A	1220.4	05/24/11	WG	Oxidation Reduction Potential	130.5	mV	CAMO-11-13848
R-61	P2A	1220.4	08/19/11	WG	pH	7.02	SU	CAMO-11-24703
R-61	P2A	1220.4	05/24/11	WG	pH	7.67	SU	CAMO-11-11689
R-61	P2A	1220.4	05/24/11	WG	pH	8.19	SU	CAMO-11-13848
R-61	P2A	1220.4	08/19/11	WG	Specific Conductance	21.41	µS/cm	CAMO-11-24703
R-61	P2A	1220.4	05/24/11	WG	Specific Conductance	149	µS/cm	CAMO-11-11689
R-61	P2A	1220.4	08/19/11	WG	Temperature	21.41	deg C	CAMO-11-24703
R-61	P2A	1220.4	05/24/11	WG	Temperature	18.31	deg C	CAMO-11-11689
R-61	P2A	1220.4	05/24/11	WG	Temperature	16.55	deg C	CAMO-11-13848
R-61	P2A	1220.4	08/19/11	WG	Turbidity	1.63	NTU	CAMO-11-24703
R-61	P2A	1220.4	05/24/11	WG	Turbidity	1.8	NTU	CAMO-11-11689

[a] WG = Groundwater.

[b] SU = Standard unit.

[c] NTU = Nephelometric turbidity unit.

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

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10	P1A	874	08/09/11	WG[a]	Dissolved Oxygen	6.01	mg/L	CASA-11-24769
R-10	P1A	874	05/26/11	WG	Dissolved Oxygen	5.94	mg/L	CASA-11-10826
R-10	P1A	874	02/15/11	WG	Dissolved Oxygen	6.02	mg/L	CASA-11-4571
R-10	P1A	874	11/17/10	WG	Dissolved Oxygen	4.87	mg/L	CASA-11-1365
R-10	P1A	874	07/08/10	WG	Dissolved Oxygen	5.11	mg/L	CASA-10-22713
R-10	P1A	874	08/09/11	WG	Oxidation Reduction Potential	162	mV	CASA-11-24769
R-10	P1A	874	05/26/11	WG	Oxidation Reduction Potential	181.1	mV	CASA-11-10826
R-10	P1A	874	02/15/11	WG	Oxidation Reduction Potential	112.6	mV	CASA-11-4571
R-10	P1A	874	11/17/10	WG	Oxidation Reduction Potential	161	mV	CASA-11-1365
R-10	P1A	874	07/08/10	WG	Oxidation Reduction Potential	55.6	mV	CASA-10-22713
R-10	P1A	874	08/09/11	WG	pH	8.17	SU[b]	CASA-11-24769
R-10	P1A	874	05/26/11	WG	pH	8.16	SU	CASA-11-10826
R-10	P1A	874	02/15/11	WG	pH	8.12	SU	CASA-11-4571
R-10	P1A	874	11/17/10	WG	pH	7.99	SU	CASA-11-1365
R-10	P1A	874	07/08/10	WG	pH	7.78	SU	CASA-10-22713
R-10	P1A	874	08/09/11	WG	Specific Conductance	182	µS/cm	CASA-11-24769
R-10	P1A	874	05/26/11	WG	Specific Conductance	18.6	µS/cm	CASA-11-10826
R-10	P1A	874	02/15/11	WG	Specific Conductance	185	µS/cm	CASA-11-4571
R-10	P1A	874	11/17/10	WG	Specific Conductance	184	µS/cm	CASA-11-1365
R-10	P1A	874	07/08/10	WG	Specific Conductance	178	µS/cm	CASA-10-22713
R-10	P1A	874	08/09/11	WG	Temperature	24.01	deg C	CASA-11-24769
R-10	P1A	874	05/26/11	WG	Temperature	23.73	deg C	CASA-11-10826
R-10	P1A	874	02/15/11	WG	Temperature	23.39	deg C	CASA-11-4571
R-10	P1A	874	11/17/10	WG	Temperature	23.7	deg C	CASA-11-1365
R-10	P1A	874	07/08/10	WG	Temperature	23.58	deg C	CASA-10-22713
R-10	P1A	874	08/09/11	WG	Turbidity	0.43	NTU[c]	CASA-11-24769

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10	P1A	874	05/26/11	WG	Turbidity	0.21	NTU	CASA-11-10826
R-10	P1A	874	02/15/11	WG	Turbidity	0.34	NTU	CASA-11-4571
R-10	P1A	874	11/17/10	WG	Turbidity	0.35	NTU	CASA-11-1365
R-10	P1A	874	07/08/10	WG	Turbidity	0.44	NTU	CASA-10-22713
R-10	P2A	1042	08/09/11	WG	Dissolved Oxygen	6.16	mg/L	CASA-11-24773
R-10	P2A	1042	02/15/11	WG	Dissolved Oxygen	6.25	mg/L	CASA-11-4573
R-10	P2A	1042	11/17/10	WG	Dissolved Oxygen	5.36	mg/L	CASA-11-1367
R-10	P2A	1042	07/08/10	WG	Dissolved Oxygen	5.02	mg/L	CASA-10-22718
R-10	P2A	1042	05/05/10	WG	Dissolved Oxygen	5.42	mg/L	CASA-10-16771
R-10	P2A	1042	08/09/11	WG	Oxidation Reduction Potential	156.1	mV	CASA-11-24773
R-10	P2A	1042	02/15/11	WG	Oxidation Reduction Potential	115.8	mV	CASA-11-4573
R-10	P2A	1042	11/17/10	WG	Oxidation Reduction Potential	285.3	mV	CASA-11-1367
R-10	P2A	1042	07/08/10	WG	Oxidation Reduction Potential	54.6	mV	CASA-10-22718
R-10	P2A	1042	05/05/10	WG	Oxidation Reduction Potential	161.9	mV	CASA-10-16771
R-10	P2A	1042	08/09/11	WG	pH	8.09	SU	CASA-11-24773
R-10	P2A	1042	02/15/11	WG	pH	8.06	SU	CASA-11-4573
R-10	P2A	1042	11/17/10	WG	pH	7.99	SU	CASA-11-1367
R-10	P2A	1042	07/08/10	WG	pH	7.78	SU	CASA-10-22718
R-10	P2A	1042	08/09/11	WG	Specific Conductance	203	µS/cm	CASA-11-24773
R-10	P2A	1042	02/15/11	WG	Specific Conductance	205	µS/cm	CASA-11-4573
R-10	P2A	1042	11/17/10	WG	Specific Conductance	202	µS/cm	CASA-11-1367
R-10	P2A	1042	07/08/10	WG	Specific Conductance	178	µS/cm	CASA-10-22718
R-10	P2A	1042	08/09/11	WG	Temperature	25.25	deg C	CASA-11-24773
R-10	P2A	1042	02/15/11	WG	Temperature	24.73	deg C	CASA-11-4573
R-10	P2A	1042	11/17/10	WG	Temperature	24.05	deg C	CASA-11-1367
R-10	P2A	1042	07/08/10	WG	Temperature	23.92	deg C	CASA-10-22718

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10	P2A	1042	05/05/10	WG	Temperature	24.52	deg C	CASA-10-16771
R-10	P2A	1042	08/09/11	WG	Turbidity	0.72	NTU	CASA-11-24773
R-10	P2A	1042	02/15/11	WG	Turbidity	0.6	NTU	CASA-11-4573
R-10	P2A	1042	11/17/10	WG	Turbidity	1.1	NTU	CASA-11-1367
R-10	P2A	1042	07/08/10	WG	Turbidity	0.23	NTU	CASA-10-22718
R-10	P2A	1042	05/05/10	WG	Turbidity	0.78	NTU	CASA-10-16771
R-10a	Single	690	08/09/11	WG	Dissolved Oxygen	5.36	mg/L	CASA-11-24759
R-10a	Single	690	08/09/11	WG	Oxidation Reduction Potential	229.2	mV	CASA-11-24759
R-10a	Single	690	08/09/11	WG	pH	7.94	SU	CASA-11-24759
R-10a	Single	690	08/09/11	WG	Specific Conductance	234	µS/cm	CASA-11-24759
R-10a	Single	690	08/09/11	WG	Temperature	21.72	deg C	CASA-11-24759
R-10a	Single	690	08/09/11	WG	Turbidity	0.23	NTU	CASA-11-24759
R-10a	Single	690	08/09/11	WG	Dissolved Oxygen	5.43	mg/L	CASA-11-24777
R-10a	Single	690	08/09/11	WG	Dissolved Oxygen	5.32	mg/L	CASA-11-24757
R-10a	Single	690	08/09/11	WG	Dissolved Oxygen	5.2	mg/L	CASA-11-24749
R-10a	Single	690	08/09/11	WG	Dissolved Oxygen	5.37	mg/L	CASA-11-24747
R-10a	Single	690	08/09/11	WG	Dissolved Oxygen	4.79	mg/L	CASA-11-24745
R-10a	Single	690	05/26/11	WG	Dissolved Oxygen	5.93	mg/L	CASA-11-10830
R-10a	Single	690	05/26/11	WG	Dissolved Oxygen	5.82	mg/L	CASA-11-11631
R-10a	Single	690	05/26/11	WG	Dissolved Oxygen	5.8	mg/L	CASA-11-11629
R-10a	Single	690	05/26/11	WG	Dissolved Oxygen	5.15	mg/L	CASA-11-11627
R-10a	Single	690	08/09/11	WG	Oxidation Reduction Potential	229.7	mV	CASA-11-24777
R-10a	Single	690	08/09/11	WG	Oxidation Reduction Potential	226	mV	CASA-11-24757
R-10a	Single	690	08/09/11	WG	Oxidation Reduction Potential	223.7	mV	CASA-11-24749
R-10a	Single	690	08/09/11	WG	Oxidation Reduction Potential	221.5	mV	CASA-11-24747
R-10a	Single	690	08/09/11	WG	Oxidation Reduction Potential	219.2	mV	CASA-11-24745
R-10a	Single	690	05/26/11	WG	Oxidation Reduction Potential	254.1	mV	CASA-11-10830

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10a	Single	690	05/26/11	WG	Oxidation Reduction Potential	255.2	mV	CASA-11-11631
R-10a	Single	690	05/26/11	WG	Oxidation Reduction Potential	252.5	mV	CASA-11-11629
R-10a	Single	690	05/26/11	WG	Oxidation Reduction Potential	250.4	mV	CASA-11-11627
R-10a	Single	690	08/09/11	WG	pH	7.94	SU	CASA-11-24777
R-10a	Single	690	08/09/11	WG	pH	7.96	SU	CASA-11-24757
R-10a	Single	690	08/09/11	WG	pH	7.96	SU	CASA-11-24749
R-10a	Single	690	08/09/11	WG	pH	7.96	SU	CASA-11-24747
R-10a	Single	690	08/09/11	WG	pH	7.95	SU	CASA-11-24745
R-10a	Single	690	05/26/11	WG	pH	7.97	SU	CASA-11-10830
R-10a	Single	690	05/26/11	WG	pH	7.98	SU	CASA-11-11631
R-10a	Single	690	05/26/11	WG	pH	7.99	SU	CASA-11-11629
R-10a	Single	690	05/26/11	WG	pH	7.87	SU	CASA-11-11627
R-10a	Single	690	08/09/11	WG	Specific Conductance	233	µS/cm	CASA-11-24777
R-10a	Single	690	08/09/11	WG	Specific Conductance	204	µS/cm	CASA-11-24757
R-10a	Single	690	08/09/11	WG	Specific Conductance	219	µS/cm	CASA-11-24749
R-10a	Single	690	08/09/11	WG	Specific Conductance	203	µS/cm	CASA-11-24747
R-10a	Single	690	08/09/11	WG	Specific Conductance	214	µS/cm	CASA-11-24745
R-10a	Single	690	05/26/11	WG	Specific Conductance	191	µS/cm	CASA-11-10830
R-10a	Single	690	05/26/11	WG	Specific Conductance	193	µS/cm	CASA-11-11631
R-10a	Single	690	05/26/11	WG	Specific Conductance	204	µS/cm	CASA-11-11629
R-10a	Single	690	05/26/11	WG	Specific Conductance	220	µS/cm	CASA-11-11627
R-10a	Single	690	08/09/11	WG	Temperature	21.73	deg C	CASA-11-24777
R-10a	Single	690	08/09/11	WG	Temperature	21.91	deg C	CASA-11-24757
R-10a	Single	690	08/09/11	WG	Temperature	21.72	deg C	CASA-11-24749
R-10a	Single	690	08/09/11	WG	Temperature	21.58	deg C	CASA-11-24747
R-10a	Single	690	08/09/11	WG	Temperature	21.3	deg C	CASA-11-24745
R-10a	Single	690	05/26/11	WG	Temperature	21.27	deg C	CASA-11-10830

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10a	Single	690	05/26/11	WG	Temperature	21.18	deg C	CASA-11-11631
R-10a	Single	690	05/26/11	WG	Temperature	20.99	deg C	CASA-11-11629
R-10a	Single	690	05/26/11	WG	Temperature	20.52	deg C	CASA-11-11627
R-10a	Single	690	08/09/11	WG	Turbidity	1.86	NTU	CASA-11-24777
R-10a	Single	690	08/09/11	WG	Turbidity	0.41	NTU	CASA-11-24757
R-10a	Single	690	08/09/11	WG	Turbidity	0.57	NTU	CASA-11-24749
R-10a	Single	690	08/09/11	WG	Turbidity	0.83	NTU	CASA-11-24747
R-10a	Single	690	08/09/11	WG	Turbidity	0.35	NTU	CASA-11-24745
R-10a	Single	690	05/26/11	WG	Turbidity	1.18	NTU	CASA-11-10830
R-10a	Single	690	05/26/11	WG	Turbidity	0.84	NTU	CASA-11-11631
R-10a	Single	690	05/26/11	WG	Turbidity	0.24	NTU	CASA-11-11629
R-10a	Single	690	05/26/11	WG	Turbidity	0.56	NTU	CASA-11-11627
R-11	Single	855	08/12/11	WG	Dissolved Oxygen	7.54	mg/L	CASA-11-24778
R-11	Single	855	05/23/11	WG	Dissolved Oxygen	7.48	mg/L	CASA-11-10811
R-11	Single	855	02/25/11	WG	Dissolved Oxygen	7.58	mg/L	CASA-11-4560
R-11	Single	855	11/11/10	WG	Dissolved Oxygen	5.98	mg/L	CASA-11-1371
R-11	Single	855	07/08/10	WG	Dissolved Oxygen	4.98	mg/L	CASA-10-22657
R-11	Single	855	08/12/11	WG	Oxidation Reduction Potential	213.3	mV	CASA-11-24778
R-11	Single	855	05/23/11	WG	Oxidation Reduction Potential	188.7	mV	CASA-11-10811
R-11	Single	855	02/25/11	WG	Oxidation Reduction Potential	204.4	mV	CASA-11-4560
R-11	Single	855	11/11/10	WG	Oxidation Reduction Potential	275.5	mV	CASA-11-1371
R-11	Single	855	07/08/10	WG	Oxidation Reduction Potential	442.6	mV	CASA-10-22657
R-11	Single	855	08/12/11	WG	pH	7.98	SU	CASA-11-24778
R-11	Single	855	05/23/11	WG	pH	7.91	SU	CASA-11-10811
R-11	Single	855	02/25/11	WG	pH	7.97	SU	CASA-11-4560
R-11	Single	855	11/11/10	WG	pH	7.86	SU	CASA-11-1371
R-11	Single	855	07/08/10	WG	pH	7.67	SU	CASA-10-22657

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-11	Single	855	08/12/11	WG	Specific Conductance	224	µS/cm	CASA-11-24778
R-11	Single	855	05/23/11	WG	Specific Conductance	222	µS/cm	CASA-11-10811
R-11	Single	855	02/25/11	WG	Specific Conductance	231	µS/cm	CASA-11-4560
R-11	Single	855	11/11/10	WG	Specific Conductance	219	µS/cm	CASA-11-1371
R-11	Single	855	07/08/10	WG	Specific Conductance	231	µS/cm	CASA-10-22657
R-11	Single	855	08/12/11	WG	Temperature	21.99	deg C	CASA-11-24778
R-11	Single	855	05/23/11	WG	Temperature	21.96	deg C	CASA-11-10811
R-11	Single	855	02/25/11	WG	Temperature	21.31	deg C	CASA-11-4560
R-11	Single	855	11/11/10	WG	Temperature	20.36	deg C	CASA-11-1371
R-11	Single	855	07/08/10	WG	Temperature	22.21	deg C	CASA-10-22657
R-11	Single	855	08/12/11	WG	Turbidity	0.42	NTU	CASA-11-24778
R-11	Single	855	05/23/11	WG	Turbidity	0.22	NTU	CASA-11-10811
R-11	Single	855	02/25/11	WG	Turbidity	0	NTU	CASA-11-4560
R-11	Single	855	11/11/10	WG	Turbidity	0.23	NTU	CASA-11-1371
R-11	Single	855	07/08/10	WG	Turbidity	0.34	NTU	CASA-10-22657
R-35a	Single	1013.1	08/17/11	WG	Dissolved Oxygen	5.12	mg/L	CASA-11-24781
R-35a	Single	1013.1	05/23/11	WG	Dissolved Oxygen	5.04	mg/L	CASA-11-10812
R-35a	Single	1013.1	02/24/11	WG	Dissolved Oxygen	4.39	mg/L	CASA-11-4561
R-35a	Single	1013.1	11/11/10	WG	Dissolved Oxygen	3.99	mg/L	CASA-11-1373
R-35a	Single	1013.1	07/07/10	WG	Dissolved Oxygen	3.95	mg/L	CASA-10-22660
R-35a	Single	1013.1	08/17/11	WG	Oxidation Reduction Potential	225.8	mV	CASA-11-24781
R-35a	Single	1013.1	05/23/11	WG	Oxidation Reduction Potential	217.9	mV	CASA-11-10812
R-35a	Single	1013.1	02/24/11	WG	Oxidation Reduction Potential	164.4	mV	CASA-11-4561
R-35a	Single	1013.1	11/11/10	WG	Oxidation Reduction Potential	107.9	mV	CASA-11-1373
R-35a	Single	1013.1	07/07/10	WG	Oxidation Reduction Potential	355.7	mV	CASA-10-22660
R-35a	Single	1013.1	08/17/11	WG	pH	8	SU	CASA-11-24781
R-35a	Single	1013.1	05/23/11	WG	pH	7.98	SU	CASA-11-10812

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35a	Single	1013.1	02/24/11	WG	pH	8	SU	CASA-11-4561
R-35a	Single	1013.1	11/11/10	WG	pH	7.81	SU	CASA-11-1373
R-35a	Single	1013.1	07/07/10	WG	pH	7.6	SU	CASA-10-22660
R-35a	Single	1013.1	08/17/11	WG	Specific Conductance	247	µS/cm	CASA-11-24781
R-35a	Single	1013.1	05/23/11	WG	Specific Conductance	248	µS/cm	CASA-11-10812
R-35a	Single	1013.1	02/24/11	WG	Specific Conductance	245	µS/cm	CASA-11-4561
R-35a	Single	1013.1	11/11/10	WG	Specific Conductance	242	µS/cm	CASA-11-1373
R-35a	Single	1013.1	07/07/10	WG	Specific Conductance	255	µS/cm	CASA-10-22660
R-35a	Single	1013.1	08/17/11	WG	Temperature	24.23	deg C	CASA-11-24781
R-35a	Single	1013.1	05/23/11	WG	Temperature	24.3	deg C	CASA-11-10812
R-35a	Single	1013.1	02/24/11	WG	Temperature	23.23	deg C	CASA-11-4561
R-35a	Single	1013.1	11/11/10	WG	Temperature	22.61	deg C	CASA-11-1373
R-35a	Single	1013.1	07/07/10	WG	Temperature	25.13	deg C	CASA-10-22660
R-35a	Single	1013.1	08/17/11	WG	Turbidity	0.66	NTU	CASA-11-24781
R-35a	Single	1013.1	05/23/11	WG	Turbidity	2.75	NTU	CASA-11-10812
R-35a	Single	1013.1	02/24/11	WG	Turbidity	1.34	NTU	CASA-11-4561
R-35a	Single	1013.1	11/11/10	WG	Turbidity	0.88	NTU	CASA-11-1373
R-35a	Single	1013.1	07/07/10	WG	Turbidity	1.59	NTU	CASA-10-22660
R-35b	Single	825.4	08/12/11	WG	Dissolved Oxygen	5.92	mg/L	CASA-11-24783
R-35b	Single	825.4	06/01/11	WG	Dissolved Oxygen	6.03	mg/L	CASA-11-10815
R-35b	Single	825.4	02/28/11	WG	Dissolved Oxygen	6.8	mg/L	CASA-11-4563
R-35b	Single	825.4	11/11/10	WG	Dissolved Oxygen	5.13	mg/L	CASA-11-1374
R-35b	Single	825.4	07/13/10	WG	Dissolved Oxygen	5.97	mg/L	CASA-10-22663
R-35b	Single	825.4	08/12/11	WG	Oxidation Reduction Potential	67.4	mV	CASA-11-24783
R-35b	Single	825.4	06/01/11	WG	Oxidation Reduction Potential	286.6	mV	CASA-11-10815
R-35b	Single	825.4	02/28/11	WG	Oxidation Reduction Potential	169.6	mV	CASA-11-4563
R-35b	Single	825.4	11/11/10	WG	Oxidation Reduction Potential	119.5	mV	CASA-11-1374

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35b	Single	825.4	07/13/10	WG	Oxidation Reduction Potential	78	mV	CASA-10-22663
R-35b	Single	825.4	08/12/11	WG	pH	7.68	SU	CASA-11-24783
R-35b	Single	825.4	06/01/11	WG	pH	7.67	SU	CASA-11-10815
R-35b	Single	825.4	02/28/11	WG	pH	7.67	SU	CASA-11-4563
R-35b	Single	825.4	11/11/10	WG	pH	7.54	SU	CASA-11-1374
R-35b	Single	825.4	07/13/10	WG	pH	7.34	SU	CASA-10-22663
R-35b	Single	825.4	08/12/11	WG	Specific Conductance	177	µS/cm	CASA-11-24783
R-35b	Single	825.4	06/01/11	WG	Specific Conductance	179	µS/cm	CASA-11-10815
R-35b	Single	825.4	02/28/11	WG	Specific Conductance	167	µS/cm	CASA-11-4563
R-35b	Single	825.4	11/11/10	WG	Specific Conductance	170	µS/cm	CASA-11-1374
R-35b	Single	825.4	07/13/10	WG	Specific Conductance	156	µS/cm	CASA-10-22663
R-35b	Single	825.4	08/12/11	WG	Temperature	21.8	deg C	CASA-11-24783
R-35b	Single	825.4	06/01/11	WG	Temperature	22.09	deg C	CASA-11-10815
R-35b	Single	825.4	02/28/11	WG	Temperature	20.29	deg C	CASA-11-4563
R-35b	Single	825.4	11/11/10	WG	Temperature	21.27	deg C	CASA-11-1374
R-35b	Single	825.4	07/13/10	WG	Temperature	22.41	deg C	CASA-10-22663
R-35b	Single	825.4	08/12/11	WG	Turbidity	0.42	NTU	CASA-11-24783
R-35b	Single	825.4	06/01/11	WG	Turbidity	0.46	NTU	CASA-11-10815
R-35b	Single	825.4	02/28/11	WG	Turbidity	0.9	NTU	CASA-11-4563
R-35b	Single	825.4	11/11/10	WG	Turbidity	0.8	NTU	CASA-11-1374
R-35b	Single	825.4	07/13/10	WG	Turbidity	0.77	NTU	CASA-10-22663
R-36	Single	766.9	08/15/11	WG	Dissolved Oxygen	6.16	mg/L	CASA-11-24789
R-36	Single	766.9	06/02/11	WG	Dissolved Oxygen	6.15	mg/L	CASA-11-10816
R-36	Single	766.9	02/25/11	WG	Dissolved Oxygen	6.31	mg/L	CASA-11-4565
R-36	Single	766.9	11/11/10	WG	Dissolved Oxygen	5.14	mg/L	CASA-11-1376
R-36	Single	766.9	07/12/10	WG	Dissolved Oxygen	4.82	mg/L	CASA-10-22702
R-36	Single	766.9	08/15/11	WG	Oxidation Reduction Potential	175.7	mV	CASA-11-24789

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-36	Single	766.9	06/02/11	WG	Oxidation Reduction Potential	207.9	mV	CASA-11-10816
R-36	Single	766.9	02/25/11	WG	Oxidation Reduction Potential	180.9	mV	CASA-11-4565
R-36	Single	766.9	11/11/10	WG	Oxidation Reduction Potential	247.6	mV	CASA-11-1376
R-36	Single	766.9	07/12/10	WG	Oxidation Reduction Potential	389.9	mV	CASA-10-22702
R-36	Single	766.9	08/15/11	WG	pH	7.37	SU	CASA-11-24789
R-36	Single	766.9	06/02/11	WG	pH	7.37	SU	CASA-11-10816
R-36	Single	766.9	02/25/11	WG	pH	7.37	SU	CASA-11-4565
R-36	Single	766.9	11/11/10	WG	pH	7.46	SU	CASA-11-1376
R-36	Single	766.9	07/12/10	WG	pH	7.05	SU	CASA-10-22702
R-36	Single	766.9	08/15/11	WG	Specific Conductance	195	µS/cm	CASA-11-24789
R-36	Single	766.9	06/02/11	WG	Specific Conductance	192	µS/cm	CASA-11-10816
R-36	Single	766.9	02/25/11	WG	Specific Conductance	197	µS/cm	CASA-11-4565
R-36	Single	766.9	11/11/10	WG	Specific Conductance	194	µS/cm	CASA-11-1376
R-36	Single	766.9	07/12/10	WG	Specific Conductance	202	µS/cm	CASA-10-22702
R-36	Single	766.9	08/15/11	WG	Temperature	21.02	deg C	CASA-11-24789
R-36	Single	766.9	06/02/11	WG	Temperature	21.31	deg C	CASA-11-10816
R-36	Single	766.9	02/25/11	WG	Temperature	20.7	deg C	CASA-11-4565
R-36	Single	766.9	11/11/10	WG	Temperature	16	deg C	CASA-11-1376
R-36	Single	766.9	07/12/10	WG	Temperature	21.55	deg C	CASA-10-22702
R-36	Single	766.9	08/15/11	WG	Turbidity	0.67	NTU	CASA-11-24789
R-36	Single	766.9	06/02/11	WG	Turbidity	0.8	NTU	CASA-11-10816
R-36	Single	766.9	02/25/11	WG	Turbidity	0	NTU	CASA-11-4565
R-36	Single	766.9	11/11/10	WG	Turbidity	1.08	NTU	CASA-11-1376
R-36	Single	766.9	07/12/10	WG	Turbidity	1.01	NTU	CASA-10-22702
R-43	P1A	903.9	08/16/11	WG	Dissolved Oxygen	7.01	mg/L	CASA-11-24785
R-43	P1A	903.9	05/18/11	WG	Dissolved Oxygen	6.97	mg/L	CASA-11-10818
R-43	P1A	903.9	02/23/11	WG	Dissolved Oxygen	6.86	mg/L	CASA-11-4567

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43	P1A	903.9	11/16/10	WG	Dissolved Oxygen	5.84	mg/L	CASA-11-1379
R-43	P1A	903.9	07/15/10	WG	Dissolved Oxygen	5.17	mg/L	CASA-10-22705
R-43	P1A	903.9	08/16/11	WG	Oxidation Reduction Potential	119.2	mV	CASA-11-24785
R-43	P1A	903.9	05/18/11	WG	Oxidation Reduction Potential	196.6	mV	CASA-11-10818
R-43	P1A	903.9	02/23/11	WG	Oxidation Reduction Potential	141.3	mV	CASA-11-4567
R-43	P1A	903.9	11/16/10	WG	Oxidation Reduction Potential	141.8	mV	CASA-11-1379
R-43	P1A	903.9	07/15/10	WG	Oxidation Reduction Potential	125.3	mV	CASA-10-22705
R-43	P1A	903.9	08/16/11	WG	pH	8.27	SU	CASA-11-24785
R-43	P1A	903.9	05/18/11	WG	pH	8.34	SU	CASA-11-10818
R-43	P1A	903.9	02/23/11	WG	pH	8.26	SU	CASA-11-4567
R-43	P1A	903.9	11/16/10	WG	pH	8.06	SU	CASA-11-1379
R-43	P1A	903.9	07/15/10	WG	pH	8.08	SU	CASA-10-22705
R-43	P1A	903.9	08/16/11	WG	Specific Conductance	177	µS/cm	CASA-11-24785
R-43	P1A	903.9	05/18/11	WG	Specific Conductance	175	µS/cm	CASA-11-10818
R-43	P1A	903.9	02/23/11	WG	Specific Conductance	175	µS/cm	CASA-11-4567
R-43	P1A	903.9	11/16/10	WG	Specific Conductance	175	µS/cm	CASA-11-1379
R-43	P1A	903.9	07/15/10	WG	Specific Conductance	155	µS/cm	CASA-10-22705
R-43	P1A	903.9	08/16/11	WG	Temperature	20.94	deg C	CASA-11-24785
R-43	P1A	903.9	05/18/11	WG	Temperature	20.7	deg C	CASA-11-10818
R-43	P1A	903.9	02/23/11	WG	Temperature	20.56	deg C	CASA-11-4567
R-43	P1A	903.9	11/16/10	WG	Temperature	19.26	deg C	CASA-11-1379
R-43	P1A	903.9	07/15/10	WG	Temperature	20.48	deg C	CASA-10-22705
R-43	P1A	903.9	08/16/11	WG	Turbidity	0.5	NTU	CASA-11-24785
R-43	P1A	903.9	05/18/11	WG	Turbidity	1.4	NTU	CASA-11-10818
R-43	P1A	903.9	02/23/11	WG	Turbidity	0.28	NTU	CASA-11-4567
R-43	P1A	903.9	11/16/10	WG	Turbidity	0.64	NTU	CASA-11-1379
R-43	P1A	903.9	07/15/10	WG	Turbidity	0.81	NTU	CASA-10-22705

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43	P2A	969.1	08/16/11	WG	Dissolved Oxygen	2.65	mg/L	CASA-11-24787
R-43	P2A	969.1	08/16/11	WG	Dissolved Oxygen	2.65	mg/L	CASA-11-24755
R-43	P2A	969.1	08/16/11	WG	Dissolved Oxygen	2.54	mg/L	CASA-11-24753
R-43	P2A	969.1	08/16/11	WG	Dissolved Oxygen	1.3	mg/L	CASA-11-24751
R-43	P2A	969.1	05/18/11	WG	Dissolved Oxygen	2.83	mg/L	CASA-11-10820
R-43	P2A	969.1	05/18/11	WG	Dissolved Oxygen	2.83	mg/L	CASA-11-11649
R-43	P2A	969.1	05/18/11	WG	Dissolved Oxygen	2.77	mg/L	CASA-11-11647
R-43	P2A	969.1	05/18/11	WG	Dissolved Oxygen	1.83	mg/L	CASA-11-11645
R-43	P2A	969.1	08/16/11	WG	Oxidation Reduction Potential	25.5	mV	CASA-11-24755
R-43	P2A	969.1	08/16/11	WG	Oxidation Reduction Potential	25.5	mV	CASA-11-24787
R-43	P2A	969.1	08/16/11	WG	Oxidation Reduction Potential	-11	mV	CASA-11-24753
R-43	P2A	969.1	08/16/11	WG	Oxidation Reduction Potential	-115.5	mV	CASA-11-24751
R-43	P2A	969.1	05/18/11	WG	Oxidation Reduction Potential	102.8	mV	CASA-11-10820
R-43	P2A	969.1	05/18/11	WG	Oxidation Reduction Potential	102.8	mV	CASA-11-11649
R-43	P2A	969.1	05/18/11	WG	Oxidation Reduction Potential	91.2	mV	CASA-11-11647
R-43	P2A	969.1	05/18/11	WG	Oxidation Reduction Potential	68	mV	CASA-11-11645
R-43	P2A	969.1	08/16/11	WG	pH	8.82	SU	CASA-11-24787
R-43	P2A	969.1	08/16/11	WG	pH	8.82	SU	CASA-11-24755
R-43	P2A	969.1	08/16/11	WG	pH	8.9	SU	CASA-11-24753
R-43	P2A	969.1	08/16/11	WG	pH	9.12	SU	CASA-11-24751
R-43	P2A	969.1	05/18/11	WG	pH	8.8	SU	CASA-11-10820
R-43	P2A	969.1	05/18/11	WG	pH	8.8	SU	CASA-11-11649
R-43	P2A	969.1	05/18/11	WG	pH	8.89	SU	CASA-11-11647
R-43	P2A	969.1	05/18/11	WG	pH	9.1	SU	CASA-11-11645
R-43	P2A	969.1	08/16/11	WG	Specific Conductance	190	µS/cm	CASA-11-24787
R-43	P2A	969.1	08/16/11	WG	Specific Conductance	190	µS/cm	CASA-11-24755
R-43	P2A	969.1	08/16/11	WG	Specific Conductance	192	µS/cm	CASA-11-24753

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43	P2A	969.1	08/16/11	WG	Specific Conductance	183	µS/cm	CASA-11-24751
R-43	P2A	969.1	05/18/11	WG	Specific Conductance	189	µS/cm	CASA-11-10820
R-43	P2A	969.1	05/18/11	WG	Specific Conductance	189	µS/cm	CASA-11-11649
R-43	P2A	969.1	05/18/11	WG	Specific Conductance	191	µS/cm	CASA-11-11647
R-43	P2A	969.1	05/18/11	WG	Specific Conductance	184	µS/cm	CASA-11-11645
R-43	P2A	969.1	08/16/11	WG	Temperature	19.98	deg C	CASA-11-24787
R-43	P2A	969.1	08/16/11	WG	Temperature	19.98	deg C	CASA-11-24755
R-43	P2A	969.1	08/16/11	WG	Temperature	19.87	deg C	CASA-11-24753
R-43	P2A	969.1	08/16/11	WG	Temperature	17.45	deg C	CASA-11-24751
R-43	P2A	969.1	05/18/11	WG	Temperature	20.08	deg C	CASA-11-10820
R-43	P2A	969.1	05/18/11	WG	Temperature	20.08	deg C	CASA-11-11649
R-43	P2A	969.1	05/18/11	WG	Temperature	19.99	deg C	CASA-11-11647
R-43	P2A	969.1	05/18/11	WG	Temperature	19.96	deg C	CASA-11-11645
R-43	P2A	969.1	08/16/11	WG	Turbidity	0.39	NTU	CASA-11-24787
R-43	P2A	969.1	08/16/11	WG	Turbidity	0.39	NTU	CASA-11-24755
R-43	P2A	969.1	08/16/11	WG	Turbidity	0.32	NTU	CASA-11-24753
R-43	P2A	969.1	08/16/11	WG	Turbidity	0.51	NTU	CASA-11-24751
R-43	P2A	969.1	05/18/11	WG	Turbidity	0.35	NTU	CASA-11-10820
R-43	P2A	969.1	05/18/11	WG	Turbidity	0.35	NTU	CASA-11-11649
R-43	P2A	969.1	05/18/11	WG	Turbidity	2.26	NTU	CASA-11-11647
R-43	P2A	969.1	05/18/11	WG	Turbidity	1.38	NTU	CASA-11-11645
SCI-1	Single	358.4	08/16/11	WG	Dissolved Oxygen	8.94	mg/L	CASA-11-24843
SCI-1	Single	358.4	08/16/11	WG	Dissolved Oxygen	8.89	mg/L	CASA-11-24841
SCI-1	Single	358.4	08/16/11	WG	Dissolved Oxygen	8.78	mg/L	CASA-11-24834
SCI-1	Single	358.4	08/16/11	WG	Dissolved Oxygen	8.78	mg/L	CASA-11-24764
SCI-1	Single	358.4	05/24/11	WG	Dissolved Oxygen	8.78	mg/L	CASA-11-10805
SCI-1	Single	358.4	05/24/11	WG	Dissolved Oxygen	8.93	mg/L	CASA-11-11651

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-1	Single	358.4	02/18/11	WG	Dissolved Oxygen	8.75	mg/L	CASA-11-4553
SCI-1	Single	358.4	11/16/10	WG	Dissolved Oxygen	9.31	mg/L	CASA-11-1360
SCI-1	Single	358.4	08/16/11	WG	Oxidation Reduction Potential	102.6	mV	CASA-11-24843
SCI-1	Single	358.4	08/16/11	WG	Oxidation Reduction Potential	113.1	mV	CASA-11-24841
SCI-1	Single	358.4	08/16/11	WG	Oxidation Reduction Potential	149.3	mV	CASA-11-24834
SCI-1	Single	358.4	08/16/11	WG	Oxidation Reduction Potential	149.3	mV	CASA-11-24764
SCI-1	Single	358.4	05/24/11	WG	Oxidation Reduction Potential	225	mV	CASA-11-10805
SCI-1	Single	358.4	05/24/11	WG	Oxidation Reduction Potential	227.5	mV	CASA-11-11651
SCI-1	Single	358.4	02/18/11	WG	Oxidation Reduction Potential	189.2	mV	CASA-11-4553
SCI-1	Single	358.4	11/16/10	WG	Oxidation Reduction Potential	188.5	mV	CASA-11-1360
SCI-1	Single	358.4	08/16/11	WG	pH	7.18	SU	CASA-11-24843
SCI-1	Single	358.4	08/16/11	WG	pH	7.19	SU	CASA-11-24841
SCI-1	Single	358.4	08/16/11	WG	pH	7.11	SU	CASA-11-24834
SCI-1	Single	358.4	08/16/11	WG	pH	7.11	SU	CASA-11-24764
SCI-1	Single	358.4	05/24/11	WG	pH	7.1	SU	CASA-11-10805
SCI-1	Single	358.4	05/24/11	WG	pH	7.14	SU	CASA-11-11651
SCI-1	Single	358.4	02/18/11	WG	pH	7.18	SU	CASA-11-4553
SCI-1	Single	358.4	11/16/10	WG	pH	7.03	SU	CASA-11-1360
SCI-1	Single	358.4	08/16/11	WG	Specific Conductance	752	µS/cm	CASA-11-24843
SCI-1	Single	358.4	08/16/11	WG	Specific Conductance	754	µS/cm	CASA-11-24841
SCI-1	Single	358.4	08/16/11	WG	Specific Conductance	750	µS/cm	CASA-11-24834
SCI-1	Single	358.4	08/16/11	WG	Specific Conductance	750	µS/cm	CASA-11-24764
SCI-1	Single	358.4	05/24/11	WG	Specific Conductance	705	µS/cm	CASA-11-10805
SCI-1	Single	358.4	05/24/11	WG	Specific Conductance	716	µS/cm	CASA-11-11651
SCI-1	Single	358.4	02/18/11	WG	Specific Conductance	733	µS/cm	CASA-11-4553
SCI-1	Single	358.4	11/16/10	WG	Specific Conductance	728	µS/cm	CASA-11-1360
SCI-1	Single	358.4	08/16/11	WG	Temperature	11.1	deg C	CASA-11-24843

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-1	Single	358.4	08/16/11	WG	Temperature	11.43	deg C	CASA-11-24841
SCI-1	Single	358.4	08/16/11	WG	Temperature	10.85	deg C	CASA-11-24834
SCI-1	Single	358.4	08/16/11	WG	Temperature	10.95	deg C	CASA-11-24764
SCI-1	Single	358.4	05/24/11	WG	Temperature	10.23	deg C	CASA-11-10805
SCI-1	Single	358.4	05/24/11	WG	Temperature	10.18	deg C	CASA-11-11651
SCI-1	Single	358.4	02/18/11	WG	Temperature	10.5	deg C	CASA-11-4553
SCI-1	Single	358.4	11/16/10	WG	Temperature	10.25	deg C	CASA-11-1360
SCI-1	Single	358.4	08/16/11	WG	Turbidity	10.2	NTU	CASA-11-24843
SCI-1	Single	358.4	08/16/11	WG	Turbidity	7.39	NTU	CASA-11-24841
SCI-1	Single	358.4	08/16/11	WG	Turbidity	5.83	NTU	CASA-11-24834
SCI-1	Single	358.4	08/16/11	WG	Turbidity	5.83	NTU	CASA-11-24764
SCI-1	Single	358.4	05/24/11	WG	Turbidity	18.1	NTU	CASA-11-10805
SCI-1	Single	358.4	05/24/11	WG	Turbidity	18.9	NTU	CASA-11-11651
SCI-1	Single	358.4	02/18/11	WG	Turbidity	2	NTU	CASA-11-4553
SCI-1	Single	358.4	11/16/10	WG	Turbidity	4.26	NTU	CASA-11-1360
SCI-2	Single	548	08/11/11	WG	Dissolved Oxygen	9.79	mg/L	CASA-11-24765
SCI-2	Single	548	08/09/11	WG	Dissolved Oxygen	9.6	mg/L	CASA-11-24849
SCI-2	Single	548	08/09/11	WG	Dissolved Oxygen	9.43	mg/L	CASA-11-24847
SCI-2	Single	548	08/09/11	WG	Dissolved Oxygen	8.93	mg/L	CASA-11-24845
SCI-2	Single	548	06/02/11	WG	Dissolved Oxygen	8.93	mg/L	CASA-11-10807
SCI-2	Single	548	06/02/11	WG	Dissolved Oxygen	9.06	mg/L	CASA-11-11662
SCI-2	Single	548	06/02/11	WG	Dissolved Oxygen	9.49	mg/L	CASA-11-11659
SCI-2	Single	548	06/02/11	WG	Dissolved Oxygen	9.09	mg/L	CASA-11-11657
SCI-2	Single	548	08/11/11	WG	Oxidation Reduction Potential	90.4	mV	CASA-11-24765
SCI-2	Single	548	08/09/11	WG	Oxidation Reduction Potential	90.4	mV	CASA-11-24849
SCI-2	Single	548	08/09/11	WG	Oxidation Reduction Potential	91.6	mV	CASA-11-24847
SCI-2	Single	548	08/09/11	WG	Oxidation Reduction Potential	78.4	mV	CASA-11-24845

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	Single	548	06/02/11	WG	Oxidation Reduction Potential	263.7	mV	CASA-11-10807
SCI-2	Single	548	06/02/11	WG	Oxidation Reduction Potential	262.7	mV	CASA-11-11662
SCI-2	Single	548	06/02/11	WG	Oxidation Reduction Potential	256.7	mV	CASA-11-11659
SCI-2	Single	548	06/02/11	WG	Oxidation Reduction Potential	250.7	mV	CASA-11-11657
SCI-2	Single	548	08/11/11	WG	pH	7.49	SU	CASA-11-24765
SCI-2	Single	548	08/09/11	WG	pH	7.5	SU	CASA-11-24849
SCI-2	Single	548	08/09/11	WG	pH	7.48	SU	CASA-11-24847
SCI-2	Single	548	08/09/11	WG	pH	7.45	SU	CASA-11-24845
SCI-2	Single	548	06/02/11	WG	pH	7.45	SU	CASA-11-10807
SCI-2	Single	548	06/02/11	WG	pH	7.45	SU	CASA-11-11662
SCI-2	Single	548	06/02/11	WG	pH	7.42	SU	CASA-11-11659
SCI-2	Single	548	06/02/11	WG	pH	7.39	SU	CASA-11-11657
SCI-2	Single	548	08/11/11	WG	Specific Conductance	590	µS/cm	CASA-11-24765
SCI-2	Single	548	08/09/11	WG	Specific Conductance	592	µS/cm	CASA-11-24849
SCI-2	Single	548	08/09/11	WG	Specific Conductance	565	µS/cm	CASA-11-24847
SCI-2	Single	548	08/09/11	WG	Specific Conductance	590	µS/cm	CASA-11-24845
SCI-2	Single	548	06/02/11	WG	Specific Conductance	570	µS/cm	CASA-11-10807
SCI-2	Single	548	06/02/11	WG	Specific Conductance	573	µS/cm	CASA-11-11662
SCI-2	Single	548	06/02/11	WG	Specific Conductance	594	µS/cm	CASA-11-11659
SCI-2	Single	548	06/02/11	WG	Specific Conductance	597	µS/cm	CASA-11-11657
SCI-2	Single	548	08/11/11	WG	Temperature	14.52	deg C	CASA-11-24765
SCI-2	Single	548	08/09/11	WG	Temperature	14.55	deg C	CASA-11-24849
SCI-2	Single	548	08/09/11	WG	Temperature	14.53	deg C	CASA-11-24847
SCI-2	Single	548	08/09/11	WG	Temperature	14.51	deg C	CASA-11-24845
SCI-2	Single	548	06/02/11	WG	Temperature	14.81	deg C	CASA-11-10807
SCI-2	Single	548	06/02/11	WG	Temperature	14.8	deg C	CASA-11-11662
SCI-2	Single	548	06/02/11	WG	Temperature	15.15	deg C	CASA-11-11659

Table A-2 (continued)

Location	Port Name	Port Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	Single	548	06/02/11	WG	Temperature	14.78	deg C	CASA-11-11657
SCI-2	Single	548	08/11/11	WG	Turbidity	1.29	NTU	CASA-11-24765
SCI-2	Single	548	08/09/11	WG	Turbidity	1.29	NTU	CASA-11-24849
SCI-2	Single	548	08/09/11	WG	Turbidity	3.5	NTU	CASA-11-24847
SCI-2	Single	548	08/09/11	WG	Turbidity	4.5	NTU	CASA-11-24845
SCI-2	Single	548	06/02/11	WG	Turbidity	1.18	NTU	CASA-11-10807
SCI-2	Single	548	06/02/11	WG	Turbidity	1.07	NTU	CASA-11-11662
SCI-2	Single	548	06/02/11	WG	Turbidity	2.84	NTU	CASA-11-11659
SCI-2	Single	548	06/02/11	WG	Turbidity	4.45	NTU	CASA-11-11657

[a] WG = Groundwater.

[b] SU = Standard unit.

[c] NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

The following 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
%D	percent difference
%R	percent recovery
<	Based on qualifiers, the result was a nondetection.
—	none
4,4'-DDD	4,4'-dichlorodiphenyldichloroethane
4,4'-DDT	4,4'-dichlorodiphenyltrichloroethane
BHC	benzene hexachloride
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-dinitroso-5-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
GC	gas chromotography
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	mononitroso-RDX (or hexahydro-1-nitroso-3,5-dinitro-1,3,5-triazine)
MS	matrix spike
MSD	matrix spike duplicate

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Miscellaneous (continued)	
NM	NMWQCC
NMED	New Mexico Environmental Department
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
RF	response factor
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
Scr	screening
SSC	suspended sediment concentration
SU	standard unit
TDS	total dissolved solids
TPH-DRO	total petroleum hydrocarbons—diesel range organics
TNX	trinitroso-RDX (or hexahydro-1,3,5-trinitroso-1,3,5-triazine)
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
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

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
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 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 Name	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	Single	1031.1	06/03/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-0.64	7.66E-01	2.59E+00	—	pCi/L	U	U	11-2628	CAMO-11-10747	ARSL
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	23.56	3.67E+00	2.33E+00	—	pCi/L	—	—	11-564	CAMO-11-1262	ARSL
R-1	Single	1031.1	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9329	UMTL
R-1	Single	1031.1	08/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.13	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2930	CAMO-09-9549	UMTL
R-1	Single	1031.1	02/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.13	2.87E-01	2.87E-01	—	pCi/L	U	U	09-916	CAMO-09-2607	UMTL
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-0.70	6.71E-01	2.33E+00	—	pCi/L	U	U	11-2581	CAMO-11-10703	ARSL
R-13	Single	958.3	11/09/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	3.32	8.94E-01	2.30E+00	—	pCi/L	—	—	11-474	CAMO-11-1269	ARSL
R-13	Single	958.3	02/11/10	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.77	2.87E-01	2.87E-01	—	pCi/L	—	U	10-1902	CAMO-10-9346	UMTL
R-13	Single	958.3	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.95	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9343	UMTL
R-13	Single	958.3	08/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.16	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2842	CAMO-09-9558	UMTL
R-13	Single	958.3	02/10/09	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	09-865	CAMO-09-2629	UMTL
R-13	Single	958.3	02/10/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.00	2.87E-01	2.87E-01	—	pCi/L	U	U	09-865	CAMO-09-2628	UMTL
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	33.49	5.20E+00	2.81E+00	—	pCi/L	—	J	11-2581	CAMO-11-10715	ARSL
R-15	Single	958.6	11/09/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	33.65	5.14E+00	1.79E+00	—	pCi/L	—	—	11-474	CAMO-11-1268	ARSL
R-15	Single	958.6	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	30.33	9.58E-01	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9324	UMTL
R-15	Single	958.6	08/06/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	30.33	9.58E-01	2.87E-01	—	pCi/L	—	—	09-2842	CAMO-09-9544	UMTL
R-15	Single	958.6	08/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	29.69	9.58E-01	2.87E-01	—	pCi/L	—	—	09-2842	CAMO-09-9542	UMTL
R-15	Single	958.6	02/17/09	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	37.84	1.09E+01	7.02E+00	—	pCi/L	—	—	09-933	CAMO-09-11413	ARSL
R-15	Single	958.6	02/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	27.30	8.94E-01	2.87E-01	—	pCi/L	—	—	09-916	CAMO-09-2615	UMTL
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.45	—	—	—	permil	—	—	11-2570	CAMO-11-10755	EES6
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.06	—	—	—	permil	—	—	11-579	CAMO-11-1288	EES6
R-16	P2A	863.4	07/12/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.81	—	—	—	permil	—	—	10-3653	CAMO-10-22896	EES6
R-16	P2A	863.4	05/04/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.05	—	—	—	permil	—	—	10-3014	CAMO-10-16855	EES6
R-16	P2A	863.4	02/08/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.15	—	—	—	permil	—	—	10-1717	CAMO-10-9388	EES6
R-16	P2A	863.4	02/08/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.86	—	—	—	permil	—	—	10-1717	CAMO-10-9388	EES6
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.41	—	—	—	permil	—	—	11-2570	CAMO-11-10753	EES6
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.38	—	—	—	permil	—	—	11-579	CAMO-11-1287	EES6
R-16	P2A	863.4	07/12/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.51	—	—	—	permil	—	—	10-3653	CAMO-10-22894	EES6
R-16	P2A	863.4	05/04/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.38	—	—	—	permil	—	—	10-3014	CAMO-10-16857	EES6
R-16	P2A	863.4	02/08/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.02	—	—	—	permil	—	—	10-1717	CAMO-10-9390	EES6
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.74	—	—	—	permil	—	—	11-2570	CAMO-11-10755	EES6
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.69	—	—	—	permil	—	—	11-579	CAMO-11-1288	EES6
R-16	P2A	863.4	07/12/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.32	—	—	—	permil	—	—	10-3653	CAMO-10-22896	EES6
R-16	P2A	863.4	05/04/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.57	—	—	—	permil	—	—	10-3014	CAMO-10-16855	EES6
R-16	P2A	863.4	05/04/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.72	—	—	—	permil	—	—	10-3014	CAMO-10-16855	EES6
R-16	P2A	863.4	02/08/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.63	—	—	—	permil	—	—	10-1717	CAMO-10-9388	EES6
R-16	P2A	863.4	02/08/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.57	—	—	—	permil	—	—	10-1717	CAMO-10-9388	EES6
R-16	P2A	863.4	05/27/11	WG	UF	CS	FD	Rad	LLEE	Tritium[a]	<	-0.10	8.94E-01	3.00E+00	—	pCi/L	U	U	11-2628	CAMO-11-10756	ARSL
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-1.09	8.30E-01	2.78E+00	—	pCi/L	U	U	11-2628	CAMO-11-10755	ARSL
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	3.64	1.21E+00	2.46E+00	—	pCi/L	—	U	11-748	CAMO-11-1288	ARSL
R-16	P2A	863.4	07/12/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-3.99	8.30E-01	2.17E+00	—	pCi/L	U	U	10-3686	CAMO-10-22896	ARSL
R-16	P2A	863.4	05/04/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-0.64	6.71E-01	2.33E+00	—	pCi/L	U	U	10-3020	CAMO-10-16855	ARSL
R-16	P2A	863.4	02/08/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1795	CAMO-10-9388	UMTL
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.85	—	—	—	permil	—	—	11-2570	CAMO-11-10760	EES6
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.16	—	—	—	permil	—	—	11-1378	CAMO-11-4644	EES6
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.08	—	—	—	permil	—	—	11-579	CAMO-11-1305	EES6
R-16	P4A	1237	07/12/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.44	—	—	—	permil	—	—	10-3653	CAMO-10-22899	EES6
R-16	P4A	1237	07/12/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.05	—	—	—	permil	—	—	10-3653	CAMO-10-22899	EES6
R-16	P4A	1237	02/08/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.25	—	—	—	permil	—	—	10-1717	CAMO-10-12325	EES6

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

Location	Port Name	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	P4A	1237	05/27/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.47	—	—	—	permil	—	—	11-2570	CAMO-11-10761	EES6
R-16	P4A	1237	02/16/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.21	—	—	—	permil	—	—	11-1378	CAMO-11-4645	EES6
R-16	P4A	1237	11/17/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.61	—	—	—	permil	—	—	11-579	CAMO-11-1306	EES6
R-16	P4A	1237	07/12/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.91	—	—	—	permil	—	—	10-3653	CAMO-10-22898	EES6
R-16	P4A	1237	05/07/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.32	—	—	—	permil	—	—	10-3159	CAMO-10-16851	EES6
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.68	—	—	—	permil	—	—	11-2570	CAMO-11-10760	EES6
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.04	—	—	—	permil	—	—	11-1378	CAMO-11-4644	EES6
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.79	—	—	—	permil	—	—	11-579	CAMO-11-1305	EES6
R-16	P4A	1237	07/12/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.88	—	—	—	permil	—	—	10-3653	CAMO-10-22899	EES6
R-16	P4A	1237	05/07/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.55	—	—	—	permil	—	—	10-3159	CAMO-10-16852	EES6
R-16	P4A	1237	05/07/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.73	—	—	—	permil	—	—	10-3159	CAMO-10-16852	EES6
R-16	P4A	1237	02/08/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.47	—	—	—	permil	—	—	10-1717	CAMO-10-12325	EES6
R-16	P4A	1237	02/08/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.64	—	—	—	permil	—	—	10-1717	CAMO-10-12325	EES6
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-0.38	8.94E-01	3.07E+00	—	pCi/L	U	U	11-2628	CAMO-11-10760	ARSL
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-2.14	5.75E-01	1.69E+00	—	pCi/L	U	UJ	11-1429	CAMO-11-4644	ARSL
R-16	P4A	1237	11/17/10	WG	UF	CS	FD	Rad	LLEE	Tritium[a]	<	3.51	1.18E+00	2.39E+00	—	pCi/L	—	U	11-748	CAMO-11-1308	ARSL
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	3.54	1.18E+00	2.39E+00	—	pCi/L	—	—	11-748	CAMO-11-1305	ARSL
R-16	P4A	1237	07/12/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-3.45	7.34E-01	1.92E+00	—	pCi/L	U	U	10-3686	CAMO-10-22899	ARSL
R-16	P4A	1237	05/07/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-0.83	6.39E-01	2.11E+00	—	pCi/L	U	U	10-3120	CAMO-10-16852	ARSL
R-16	P4A	1237	02/08/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1785	CAMO-10-12325	UMTL
R-16r	Single	600	05/20/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.89	—	—	—	permil	—	—	11-2491	CAMO-11-10752	EES6
R-16r	Single	600	07/15/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.10	—	—	—	permil	—	—	10-3710	CAMO-10-22861	EES6
R-16r	Single	600	08/11/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	<	-81.07	—	—	1.00E-03	permil	U	—	09-2839	CAMO-09-9556	EES6
R-16r	Single	600	08/11/08	WG	UF	CS	FD	Isotope	Deuterium Ratio	Deuterium Ratio	—	-80.90	4.20E-01	—	—	permil	—	—	08-1639	CAMO-08-14519	SILENS
R-16r	Single	600	08/11/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-80.05	5.70E-01	—	—	permil	—	—	08-1639	CAMO-08-14516	SILENS
R-16r	Single	600	11/01/06	WG	UF	CS	FB	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.19	5.80E-01	—	—	permil	—	—	17786	EU06100GR16A01-FB	EES6
R-16r	Single	600	11/01/06	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.10	3.90E-01	—	—	permil	—	—	18451	EU06100GR16A01	EES6
R-16r	Single	600	08/17/06	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.05	4.80E-01	—	—	permil	—	—	17721	EU06080GR16A01	EES6
R-16r	Single	600	05/24/06	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-80.20	7.00E-01	—	—	permil	—	—	12088	EU06050GR16A01	EES6
R-16r	Single	600	05/20/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.26	—	—	—	permil	—	—	11-2491	CAMO-11-10750	EES6
R-16r	Single	600	07/15/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.43	—	—	—	permil	—	—	10-3710	CAMO-10-22863	EES6
R-16r	Single	600	08/11/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.55	—	—	1.00E-02	permil	—	—	09-2839	CAMO-09-9553	EES6
R-16r	Single	600	08/11/08	WG	F	CS	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.71	6.00E-02	—	—	permil	—	—	08-1639	CAMO-08-14518	SILENS
R-16r	Single	600	08/11/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	0.73	6.00E-02	—	—	permil	—	—	08-1639	CAMO-08-14515	SILENS
R-16r	Single	600	08/20/07	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.84	1.80E-01	—	—	permil	—	—	19351	EF07080GR16A01	EES6
R-16r	Single	600	11/01/06	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.48	1.90E-01	—	—	permil	—	—	17966	EF06100GR16A01	EES6
R-16r	Single	600	05/20/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.12	—	—	—	permil	—	—	11-2491	CAMO-11-10752	EES6
R-16r	Single	600	07/15/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.31	—	—	—	permil	—	—	10-3710	CAMO-10-22861	EES6
R-16r	Single	600	08/11/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	<	-10.97	—	—	8.00E-01	permil	U	—	09-2839	CAMO-09-9556	EES6
R-16r	Single	600	08/11/08	WG	UF	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.71	1.60E-01	—	—	permil	—	—	08-1639	CAMO-08-14519	SILENS
R-16r	Single	600	08/11/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.96	1.60E-01	—	—	permil	—	—	08-1639	CAMO-08-14516	SILENS
R-16r	Single	600	08/20/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.98	1.40E-01	—	—	permil	—	—	19420	EU07080GR16A01	EES6
R-16r	Single	600	11/01/06	WG	UF	CS	FB	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.86	1.30E-01	—	—	permil	—	—	17838	EU06100GR16A01-FB	EES6
R-16r	Single	600	11/01/06	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.11	1.30E-01	—	—	permil	—	—	17837	EU06100GR16A01	EES6
R-16r	Single	600	05/20/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-0.29	8.62E-01	2.91E+00	—	pCi/L	U	U	11-2528	CAMO-11-10752	ARSL
R-16r	Single	600	11/11/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	2.43	1.12E+00	2.30E+00	—	pCi/L	—	U	11-564	CAMO-11-1289	ARSL
R-16r	Single	600	05/07/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	1.69	6.39E-01	1.92E+00	—	pCi/L	U	U	10-3120	CAMO-10-16833	ARSL
R-16r	Single	600	02/04/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.26	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1656	CAMO-10-9337	UMTL
R-16r	Single	600	11/16/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	10-581	CAMO-10-3144	UMTL

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

Location	Port Name	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	Single	600	08/11/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2842	CAMO-09-9556	UMTL
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	170.19	2.56E+01	3.00E+00	—	pCi/L	—	—	11-2628	CAMO-11-10705	ARSL
R-28	Single	934.3	11/10/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	219.87	3.30E+01	1.79E+00	—	pCi/L	—	—	11-474	CAMO-11-1271	ARSL
R-28	Single	934.3	02/03/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	199.56	6.71E+00	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9326	UMTL
R-28	Single	934.3	08/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	189.34	6.39E+00	2.87E-01	—	pCi/L	—	—	09-2930	CAMO-09-9546	UMTL
R-28	Single	934.3	02/10/09	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	233.60	6.11E+01	6.83E+00	—	pCi/L	—	—	09-867	CAMO-09-11414	ARSL
R-28	Single	934.3	02/10/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	197.01	6.39E+00	2.87E-01	—	pCi/L	—	—	09-865	CAMO-09-2625	UMTL
R-28	Single	934.3	11/10/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	194.65	6.39E+00	2.87E-01	—	pCi/L	—	—	09-264	CAMO-09-808	UMTL
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.10	—	—	7.30E-01	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.60	—	—	7.30E-01	mg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.20	—	—	7.30E-01	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	76.20	—	—	7.30E-01	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.90	—	—	7.30E-01	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.70	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.40	—	—	5.00E-02	mg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.90	—	—	5.00E-02	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.00	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.30	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.20	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.30	—	—	5.00E-02	mg/L	—	—	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.00	—	—	5.00E-02	mg/L	—	—	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.10	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.30	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.35	—	—	6.60E-02	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.40	—	—	6.60E-02	mg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.28	—	—	6.60E-02	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.25	—	—	6.60E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.34	—	—	3.30E-02	mg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.28	—	—	3.30E-02	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.29	—	—	3.30E-02	mg/L	—	J-	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.31	—	—	3.30E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.20	—	—	4.50E-01	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.30	—	—	4.50E-01	mg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.60	—	—	3.50E-01	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.50	—	—	3.50E-01	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.00	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.40	—	—	4.50E-01	mg/L	—	—	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.10	—	—	4.50E-01	mg/L	—	—	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.00	—	—	3.50E-01	mg/L	—	—	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.30	—	—	3.50E-01	mg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.80	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.74	—	—	1.10E-01	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.34	—	—	1.10E-01	mg/L	—	J-	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	8.50E-02	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	8.50E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	1.10E-01	mg/L	—	—	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.34	—	—	1.10E-01	mg/L	—	J-	11-1391	CAMO-11-4670	GELC

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

Location	Port Name	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	Single	883.7	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.80	—	—	8.50E-02	mg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.33	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.47	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.44	—	—	5.00E-02	mg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.47	—	—	5.00E-02	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.45	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.57	—	—	5.00E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.36	—	—	5.00E-02	µg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.34	—	—	5.00E-02	µg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.36	—	—	5.00E-02	µg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.35	—	—	5.00E-02	µg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.33	—	—	5.00E-02	µg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.29	—	—	1.00E-02	SU	H	J-	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.30	—	—	1.00E-02	SU	H	J-	11-459	CAMO-11-1303	GELC
R-34	Single	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	Single	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	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.67	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.61	—	—	5.00E-02	mg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.78	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.70	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.62	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.57	—	—	5.00E-02	mg/L	—	—	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.89	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.67	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.90	—	—	1.00E-01	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.20	—	—	1.00E-01	mg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.70	—	—	1.00E-01	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.70	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.50	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.60	—	—	1.00E-01	mg/L	—	—	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.10	—	—	1.00E-01	mg/L	—	—	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.90	—	—	1.00E-01	mg/L	—	—	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.50	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.50	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155.00	—	—	1.00E+00	µS/cm	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	151.00	—	—	1.00E+00	µS/cm	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155.00	—	—	1.00E+00	µS/cm	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	157.00	—	—	1.00E+00	µS/cm	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	161.00	—	—	1.00E+00	µS/cm	—	—	10-3076	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.79	—	—	1.00E-01	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.82	—	—	1.00E-01	mg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.61	—	—	1.00E-01	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.76	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.85	—	—	1.00E-01	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147.00	—	—	2.40E+00	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166.00	—	—	2.40E+00	mg/L	—	—	11-1391	CAMO-11-4671	GELC

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

Location	Port Name	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	Single	883.7	11/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152.00	—	—	2.40E+00	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155.00	—	—	2.40E+00	mg/L	—	J	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	148.00	—	—	2.40E+00	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.70	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.20	—	—	1.00E+00	µg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.90	—	—	1.00E+00	µg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.90	—	—	1.00E+00	µg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.30	—	—	1.00E+00	µg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.00	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.00	—	—	1.00E+00	µg/L	—	—	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.60	—	—	1.00E+00	µg/L	—	—	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.20	—	—	1.00E+00	µg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.30	—	—	1.00E+00	µg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.10	—	—	1.50E+01	µg/L	J	J	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.10	—	—	1.50E+01	µg/L	J	J	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.30	—	—	1.50E+01	µg/L	J	J	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.40	—	—	1.50E+01	µg/L	J	J	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50.00	—	—	1.50E+01	µg/L	U	U	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.60	—	—	1.50E+01	µg/L	J	J	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.10	—	—	1.50E+01	µg/L	J	J	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.10	—	—	1.50E+01	µg/L	J	J	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.10	—	—	1.50E+01	µg/L	J	J	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50.00	—	—	1.50E+01	µg/L	U	U	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.19	—	—	2.00E+00	µg/L	J	J	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.17	—	—	2.00E+00	µg/L	J	J	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.22	—	—	2.50E+00	µg/L	J	J	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.10	—	—	2.50E+00	µg/L	J	J	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.76	—	—	2.50E+00	µg/L	J	J	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.14	—	—	2.00E+00	µg/L	J	J	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.62	—	—	2.00E+00	µg/L	J	J	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.91	—	—	2.50E+00	µg/L	J	J	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.74	—	—	2.50E+00	µg/L	J	J	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.98	—	—	2.50E+00	µg/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	57.60	—	—	3.00E+01	µg/L	J	J	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100.00	—	—	3.00E+01	µg/L	U	U	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	64.80	—	—	3.00E+01	µg/L	J	U	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	56.40	—	—	3.00E+01	µg/L	J	J	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	96.70	—	—	3.00E+01	µg/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.74	—	—	2.00E+00	µg/L	J	J	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.23	—	—	2.00E+00	µg/L	J	J	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.39	—	—	2.00E+00	µg/L	J	J	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.32	—	—	2.00E+00	µg/L	J	J	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.48	—	—	2.00E+00	µg/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.70E-01	µg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.05	—	—	1.70E-01	µg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.38	—	—	1.00E-01	µg/L	—	U	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	µg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.98	—	—	1.00E-01	µg/L	—	U	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.00	—	—	1.70E-01	µg/L	—	—	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.70E-01	µg/L	—	—	11-1391	CAMO-11-4670	GELC

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

Location	Port Name	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	Single	883.7	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.38	—	—	1.00E-01	µg/L	—	U	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	µg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.99	—	—	1.00E-01	µg/L	—	U	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.54	—	—	5.00E-01	µg/L	J	J	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.62	—	—	5.00E-01	µg/L	J	J	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.65	—	—	5.00E-01	µg/L	J	U	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.64	—	—	5.00E-01	µg/L	J	J	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2.00	—	—	5.00E-01	µg/L	U	U	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.58	—	—	5.00E-01	µg/L	J	J	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.62	—	—	5.00E-01	µg/L	J	J	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.54	—	—	5.00E-01	µg/L	J	U	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.71	—	—	5.00E-01	µg/L	J	J	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.53	—	—	5.00E-01	µg/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.70	—	—	5.30E-02	mg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.20	—	—	5.30E-02	mg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.90	—	—	5.30E-02	mg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.80	—	—	5.30E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.30	—	—	5.30E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.00	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.00	—	—	1.00E+00	µg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.70	—	—	1.00E+00	µg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61.80	—	—	1.00E+00	µg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.30	—	—	1.00E+00	µg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.70	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.60	—	—	1.00E+00	µg/L	—	—	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61.70	—	—	1.00E+00	µg/L	—	—	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.20	—	—	1.00E+00	µg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.20	—	—	1.00E+00	µg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.50	—	—	6.70E-02	µg/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.51	—	—	6.70E-02	µg/L	—	U	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	µg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	µg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.37	—	—	5.00E-02	µg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.44	—	—	6.70E-02	µg/L	—	—	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.48	—	—	6.70E-02	µg/L	—	U	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.52	—	—	5.00E-02	µg/L	—	—	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.56	—	—	5.00E-02	ug/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.38	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.90	—	—	1.00E+00	ug/L	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.49	—	—	1.00E+00	µg/L	—	—	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.03	—	—	1.00E+00	µg/L	—	—	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.82	—	—	1.00E+00	µg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.98	—	—	1.00E+00	µg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.93	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.24	—	—	1.00E+00	µg/L	—	—	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.22	—	—	1.00E+00	µg/L	—	—	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.19	—	—	1.00E+00	µg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.02	—	—	1.00E+00	µg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.42	—	—	3.30E+00	µg/L	J	J	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.99	—	—	3.30E+00	µg/L	J	U	11-1391	CAMO-11-4671	GELC

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

Location	Port Name	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	Single	883.7	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.76	—	—	3.30E+00	µg/L	J	J	11-459	CAMO-11-1303	GELC
R-34	Single	883.7	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10.00	—	—	3.30E+00	µg/L	U	U	10-3632	CAMO-10-22880	GELC
R-34	Single	883.7	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10.00	—	—	3.30E+00	µg/L	U	U	10-3077	CAMO-10-16836	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.94	—	—	3.30E+00	µg/L	J	J	11-2548	CAMO-11-10771	GELC
R-34	Single	883.7	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10.00	—	—	3.30E+00	µg/L	U	U	11-1391	CAMO-11-4670	GELC
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.60	—	—	3.30E+00	µg/L	—	—	11-459	CAMO-11-1302	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10.00	—	—	3.30E+00	µg/L	U	U	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.44	—	—	3.30E+00	µg/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.01	5.80E-03	2.90E-02	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00	3.60E-03	3.10E-02	—	pCi/L	U	U	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	02/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.01	5.20E-03	3.50E-02	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	Single	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.01	9.90E-03	3.20E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	Single	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00	1.10E-02	3.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-134	<	1.30	1.50E+00	5.20E+00	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	11/29/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-134	<	1.03	1.37E+00	3.82E+00	—	pCi/L	U	U	151032	GU05110G34R01	GELC
R-34	Single	883.7	06/07/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-134	<	0.93	8.40E-01	3.11E+00	—	pCi/L	U	U	138259	GU05060G34R01	GELC
R-34	Single	883.7	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.02	1.30E+00	4.40E+00	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.73	2.30E+00	5.10E+00	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	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	Single	883.7	02/10/10	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	Single	883.7	08/12/09	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	Single	883.7	08/15/08	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	Single	883.7	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.74	1.50E+00	4.60E+00	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	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	Single	883.7	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.43	1.20E+00	4.20E+00	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	Single	883.7	08/12/09	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	Single	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.06	1.30E+00	4.20E+00	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.14	7.40E-01	3.10E+00	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.44	7.10E-01	2.70E+00	—	pCi/L	U	U	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.39	2.70E-01	8.80E-01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.92	5.79E-01	1.77E+00	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.20	3.83E-01	2.21E+00	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	Single	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.50	3.07E-01	9.94E-01	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.14	9.20E-01	2.90E+00	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	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	Single	883.7	08/12/09	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	Single	883.7	08/14/07	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	Single	883.7	08/14/07	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	Single	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.65	9.04E-01	2.78E+00	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Lead-212	<	2.22	3.60E+00	1.00E+01	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	11/29/05	WG	UF	CS	—	Rad	EPA:901.1	Lead-212	<	3.50	2.40E+00	6.32E+00	—	pCi/L	U	U	151032	GU05110G34R01	GELC
R-34	Single	883.7	06/07/05	WG	UF	CS	—	Rad	EPA:901.1	Lead-212	<	3.32	1.81E+00	5.60E+00	—	pCi/L	U	U	138259	GU05060G34R01	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Lead-214	<	4.83	4.00E+00	1.40E+01	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	11/29/05	WG	UF	CS	—	Rad	EPA:901.1	Lead-214	<	0.82	2.74E+00	7.73E+00	—	pCi/L	U	U	151032	GU05110G34R01	GELC
R-34	Single	883.7	06/07/05	WG	UF	CS	—	Rad	EPA:901.1	Lead-214	—	12.70	3.54E+00	5.66E+00	—	pCi/L	—	J	138259	GU05060G34R01	GELC
R-34	Single	883.7	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.89	9.00E+00	2.80E+01	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	Single	883.7	08/14/07	WG	F	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-2.53	9.35E+00	3.06E+01	—	pCi/L	U	U	191665	GF070800G34R20	GELC
R-34	Single	883.7	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.12	1.15E+01	3.38E+01	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	Single	883.7	06/20/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.20	9.96E+00	3.07E+01	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	2.40E-03	3.00E-02	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC

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

Location	Port Name	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	Single	883.7	07/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.01	3.50E-03	2.70E-02	—	pCi/L	U	U	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	3.10E-03	5.10E-02	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	Single	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	8.90E-03	3.70E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	Single	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	4.50E-03	2.40E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.01	4.92E-03	3.14E-02	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.01	5.22E-03	3.16E-02	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	Single	883.7	06/20/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.01	5.71E-03	2.52E-02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	4.90E-03	4.40E-02	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	3.50E-03	2.70E-02	—	pCi/L	U	U	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.02	9.20E-03	3.60E-02	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	Single	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	6.10E-03	4.50E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	Single	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	3.40E-03	2.90E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.01	4.92E-03	2.88E-02	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	4.37E-03	2.90E-02	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	Single	883.7	06/20/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	4.77E-03	2.80E-02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.51	1.80E+01	6.40E+01	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.90	1.40E+01	4.20E+01	—	pCi/L	U	U	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-18.00	2.00E+01	6.30E+01	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	Single	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-33.50	1.70E+01	4.70E+01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	Single	883.7	08/15/08	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	Single	883.7	08/14/07	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	Single	883.7	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	24.00	1.59E+01	5.74E+01	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	Single	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.70	1.31E+01	4.46E+01	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.48	1.80E+00	5.80E+00	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.13	1.40E+00	4.10E+00	—	pCi/L	U	U	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	02/10/10	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	Single	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.15	1.20E+00	4.20E+00	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	Single	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.34	1.00E+00	3.60E+00	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	0.84	1.21E+00	4.14E+00	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	Single	883.7	08/14/07	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	Single	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.41	7.26E-01	2.58E+00	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.11	1.10E-01	3.90E-01	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.22	1.20E-01	4.80E-01	—	pCi/L	U	U	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	02/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.06	9.40E-02	3.20E-01	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	Single	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.09	9.80E-02	3.50E-01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	Single	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.03	7.80E-02	3.10E-01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	Single	883.7	08/14/07	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	Single	883.7	08/14/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.07	1.13E-01	3.99E-01	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	Single	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00	9.24E-02	3.52E-01	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	0.64	6.71E-01	2.24E+00	—	pCi/L	U	U	11-2539	CAMO-11-10771	ARSL
R-34	Single	883.7	11/09/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	3.10	8.30E-01	2.14E+00	—	pCi/L	—	—	11-474	CAMO-11-1302	ARSL
R-34	Single	883.7	05/06/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-1.40	5.75E-01	1.92E+00	—	pCi/L	U	U	10-3120	CAMO-10-16837	ARSL
R-34	Single	883.7	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.38	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9350	UMTL
R-34	Single	883.7	11/12/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06	2.87E-01	2.87E-01	—	pCi/L	U	U	10-523	CAMO-10-3147	UMTL
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.28	3.30E-02	6.40E-02	—	pCi/L	—	—	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.36	3.60E-02	5.10E-02	—	pCi/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.33	4.80E-02	8.10E-02	—	pCi/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	Single	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.28	3.30E-02	9.00E-02	—	pCi/L	—	—	09-2858	CAMO-09-9563	GELC
R-34	Single	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.30	3.00E-02	6.00E-02	—	pCi/L	—	—	08-1699	CAMO-08-14546	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.35	4.34E-02	4.63E-02	—	pCi/L	—	—	191665	GU070800G34R20	GELC

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

Location	Port Name	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	Single	883.7	08/14/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.31	3.93E-02	4.49E-02	—	pCi/L	—	—	191665	GU070800G34R01	GELC
R-34	Single	883.7	06/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.37	3.52E-02	3.17E-02	—	pCi/L	—	—	188434	GU070600G34R01	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.02	8.30E-03	3.70E-02	—	pCi/L	U	U	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.01	7.70E-03	3.10E-02	—	pCi/L	U	U	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.03	1.30E-02	6.40E-02	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	Single	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.01	7.10E-03	4.40E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	Single	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.01	9.00E-03	3.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.01	9.77E-03	3.96E-02	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.04	1.53E-02	3.83E-02	—	pCi/L	—	J	191665	GU070800G34R01	GELC
R-34	Single	883.7	06/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.01	1.03E-02	4.24E-02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	Single	883.7	05/25/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.14	2.10E-02	2.90E-02	—	pCi/L	—	—	11-2549	CAMO-11-10771	GELC
R-34	Single	883.7	07/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.15	2.20E-02	3.50E-02	—	pCi/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	Single	883.7	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.18	3.40E-02	5.80E-02	—	pCi/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	Single	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.12	2.00E-02	4.40E-02	—	pCi/L	—	—	09-2858	CAMO-09-9563	GELC
R-34	Single	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.12	1.90E-02	3.20E-02	—	pCi/L	—	—	08-1699	CAMO-08-14546	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.14	2.72E-02	6.19E-02	—	pCi/L	—	J	191665	GU070800G34R20	GELC
R-34	Single	883.7	08/14/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.15	2.66E-02	5.99E-02	—	pCi/L	—	J	191665	GU070800G34R01	GELC
R-34	Single	883.7	06/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.18	2.33E-02	4.22E-02	—	pCi/L	—	—	188434	GU070600G34R01	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	206.81	3.11E+01	2.91E+00	—	pCi/L	—	—	11-2581	CAMO-11-10717	ARSL
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium[a]	—	329.75	7.54E+01	2.34E+02	—	pCi/L	—	—	11-474	CAMO-11-1273	ARSL
R-42	Single	931.8	05/13/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	148.43	8.01E+01	2.62E+02	—	pCi/L	U	U	10-3219	CAMO-10-16822	ARSL
R-42	Single	931.8	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	224.79	7.34E+00	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9357	UMTL
R-42	Single	931.8	11/05/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	216.49	7.02E+00	2.87E-01	—	pCi/L	—	—	10-523	CAMO-10-3218	UMTL
R-44	P1A	895	05/19/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	0.83	7.66E-01	2.52E+00	—	pCi/L	U	U	11-2528	CAMO-11-10706	ARSL
R-44	P1A	895	11/18/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	3.38	1.12E+00	2.30E+00	—	pCi/L	—	—	11-748	CAMO-11-1276	ARSL
R-44	P1A	895	05/04/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	0.67	6.39E-01	2.11E+00	—	pCi/L	U	U	10-3020	CAMO-10-16840	ARSL
R-44	P1A	895	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.48	2.87E-01	2.87E-01	—	pCi/L	—	U	10-1902	CAMO-10-9370	UMTL
R-44	P1A	895	11/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.21	2.87E-01	2.87E-01	—	pCi/L	—	—	10-523	CAMO-10-3225	UMTL
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	0.61	7.34E-01	2.46E+00	—	pCi/L	U	U	11-2528	CAMO-11-10709	ARSL
R-44	P2A	985.3	11/18/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	3.83	1.28E+00	2.59E+00	—	pCi/L	—	U	11-748	CAMO-11-1278	ARSL
R-44	P2A	985.3	05/04/10	WG	UF	CS	FD	Rad	LLEE	Tritium[a]	<	-0.64	6.39E-01	2.17E+00	—	pCi/L	U	U	10-3020	CAMO-10-16847	ARSL
R-44	P2A	985.3	05/04/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	0.00	6.71E-01	2.27E+00	—	pCi/L	U	U	10-3020	CAMO-10-16843	ARSL
R-44	P2A	985.3	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.19	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9373	UMTL
R-44	P2A	985.3	11/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.45	2.87E-01	2.87E-01	—	pCi/L	—	U	10-523	CAMO-10-3228	UMTL
R-45	P1A	880	05/20/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	2.39	7.66E-01	2.17E+00	—	pCi/L	—	—	11-2528	CAMO-11-10710	ARSL
R-45	P1A	880	11/19/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	3.54	1.18E+00	2.43E+00	—	pCi/L	—	—	11-748	CAMO-11-1279	ARSL
R-45	P1A	880	05/13/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	1.21	5.43E-01	1.69E+00	—	pCi/L	U	U	10-3219	CAMO-10-16825	ARSL
R-45	P1A	880	01/27/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.34	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1610	CAMO-10-9379	UMTL
R-45	P1A	880	11/16/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.66	2.87E-01	2.87E-01	—	pCi/L	—	—	10-581	CAMO-10-3231	UMTL
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	1.31	8.62E-01	2.75E+00	—	pCi/L	U	U	11-2528	CAMO-11-10713	ARSL
R-45	P2A	974.9	11/19/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	3.58	1.18E+00	2.43E+00	—	pCi/L	—	—	11-748	CAMO-11-1282	ARSL
R-45	P2A	974.9	05/14/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	0.57	6.07E-01	2.01E+00	—	pCi/L	U	U	10-3219	CAMO-10-16828	ARSL
R-45	P2A	974.9	01/27/10	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.86	2.87E-01	2.87E-01	—	pCi/L	—	U	10-1610	CAMO-10-9385	UMTL
R-45	P2A	974.9	01/27/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.28	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1610	CAMO-10-9384	UMTL
R-45	P2A	974.9	11/16/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.77	2.87E-01	2.87E-01	—	pCi/L	—	U	10-581	CAMO-10-3234	UMTL
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.37	—	—	—	permil	—	—	11-2543	CAMO-11-10720	EES6
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.38	—	—	—	permil	—	—	11-559	CAMO-11-1312	EES6
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.91	—	—	—	permil	—	—	10-3559	CAMO-10-22902	EES6
R-50	P1A	1077	05/27/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.06	—	—	—	permil	—	—	10-3271	CAMO-10-17420	EES6

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

Location	Port Name	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	P1A	1077	03/06/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.00	—	—	—	permil	—	—	10-2344	CAMO-10-13852	EES6
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.83	—	—	—	permil	—	—	11-2543	CAMO-11-10720	EES6
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.71	—	—	—	permil	—	—	11-559	CAMO-11-1312	EES6
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.09	—	—	—	permil	—	—	10-3559	CAMO-10-22902	EES6
R-50	P1A	1077	05/27/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.66	—	—	—	permil	—	—	10-3271	CAMO-10-17420	EES6
R-50	P1A	1077	05/27/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.97	—	—	—	permil	—	—	10-3271	CAMO-10-17420	EES6
R-50	P1A	1077	03/06/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.83	—	—	—	permil	—	—	10-2344	CAMO-10-13852	EES6
R-50	P1A	1077	05/25/11	WG	UF	CS	FD	Rad	LLEE	Tritium[a]	—	23.88	3.77E+00	2.55E+00	—	pCi/L	—	—	11-2539	CAMO-11-10722	ARSL
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	20.12	3.16E+00	1.95E+00	—	pCi/L	—	—	11-2539	CAMO-11-10720	ARSL
R-50	P1A	1077	02/23/11	WG	UF	CS	FD	Rad	LLEE	Tritium[a]	—	28.10	4.31E+00	1.66E+00	—	pCi/L	—	J-	11-1429	CAMO-11-4614	ARSL
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	28.86	4.41E+00	1.69E+00	—	pCi/L	—	J-	11-1429	CAMO-11-4611	ARSL
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	26.34	1.25E+00	2.55E+00	—	pCi/L	—	—	11-564	CAMO-11-1312	ARSL
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	8.24	1.44E+00	2.08E+00	—	pCi/L	—	—	10-3595	CAMO-10-22902	ARSL
R-50	P1A	1077	05/27/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	11.08	1.98E+00	3.13E+00	—	pCi/L	—	—	10-3291	CAMO-10-17420	ARSL
R-50	P1A	1077	03/06/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	16.03	5.43E-01	2.87E-01	—	pCi/L	—	—	10-2385	CAMO-10-13852	UMTL
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.05	—	—	—	permil	—	—	11-2523	CAMO-11-10726	EES6
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.60	—	—	—	permil	—	—	11-559	CAMO-11-1316	EES6
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.20	—	—	—	permil	—	—	10-3559	CAMO-10-22907	EES6
R-50	P2A	1185	05/27/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.71	—	—	—	permil	—	—	10-3281	CAMO-10-18979	EES6
R-50	P2A	1185	05/27/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.66	—	—	—	permil	—	—	10-3281	CAMO-10-18979	EES6
R-50	P2A	1185	03/11/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.66	—	—	—	permil	—	—	10-2427	CAMO-10-13924	EES6
R-50	P2A	1185	05/24/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.95	—	—	—	permil	—	—	11-2523	CAMO-11-10727	EES6
R-50	P2A	1185	11/16/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.99	—	—	—	permil	—	—	11-559	CAMO-11-1315	EES6
R-50	P2A	1185	07/02/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	2.02	—	—	—	permil	—	—	10-3559	CAMO-10-22906	EES6
R-50	P2A	1185	05/27/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.37	—	—	—	permil	—	—	10-3281	CAMO-10-18980	EES6
R-50	P2A	1185	05/27/10	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.29	—	—	—	permil	—	—	10-3281	CAMO-10-18980	EES6
R-50	P2A	1185	03/11/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.09	—	—	—	permil	—	—	10-2427	CAMO-10-13926	EES6
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.94	—	—	—	permil	—	—	11-2523	CAMO-11-10726	EES6
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.94	—	—	—	permil	—	—	11-559	CAMO-11-1316	EES6
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.83	—	—	—	permil	—	—	10-3559	CAMO-10-22907	EES6
R-50	P2A	1185	03/11/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.85	—	—	—	permil	—	—	10-2427	CAMO-10-13924	EES6
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	0.93	7.66E-01	2.52E+00	—	pCi/L	U	U	11-2528	CAMO-11-10726	ARSL
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-1.92	6.07E-01	1.92E+00	—	pCi/L	U	U	11-1579	CAMO-11-4617	ARSL
R-50	P2A	1185	11/16/10	WG	UF	CS	FD	Rad	LLEE	Tritium[a]	—	3.22	1.05E+00	2.20E+00	—	pCi/L	—	—	11-564	CAMO-11-1317	ARSL
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	3.54	1.18E+00	2.43E+00	—	pCi/L	—	—	11-564	CAMO-11-1316	ARSL
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-3.16	8.30E-01	2.43E+00	—	pCi/L	U	U	10-3595	CAMO-10-22907	ARSL
R-50	P2A	1185	05/27/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-0.67	5.11E-01	1.76E+00	—	pCi/L	U	U	10-3291	CAMO-10-18979	ARSL
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.26	—	—	—	permil	—	—	11-2476	CAMO-11-10852	EES6
R-61	P1A	1125	05/20/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.68	—	—	—	permil	—	—	11-2476	CAMO-11-10853	EES6
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.92	—	—	—	permil	—	—	11-2476	CAMO-11-10852	EES6
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	7.76	1.37E+00	2.11E+00	—	pCi/L	—	U	11-2531	CAMO-11-10852	ARSL
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.86	—	—	—	permil	—	—	11-2503	CAMO-11-11689	EES6
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.21	—	—	—	permil	—	—	11-2503	CAMO-11-11691	EES6
R-61	P2A	1220.4	05/24/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.89	—	—	—	permil	—	—	11-2503	CAMO-11-11691	EES6
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.98	—	—	—	permil	—	—	11-2503	CAMO-11-11689	EES6
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-0.38	6.07E-01	2.11E+00	—	pCi/L	U	U	11-2531	CAMO-11-11689	ARSL

[a] Results, 1-sigma TPUs, and MDAs for tritium analyzed by ARSL are being reviewed.

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

Location	Port Name	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	P1A	874	05/26/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.10	—	—	7.30E-01	mg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.20	—	—	7.30E-01	mg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.30	—	—	7.30E-01	mg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.70	—	—	7.30E-01	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.30	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.50	—	—	5.00E-02	mg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.90	—	—	5.00E-02	mg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.00	—	—	5.00E-02	mg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.30	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.20	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.40	—	—	5.00E-02	mg/L	—	—	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.20	—	—	5.00E-02	mg/L	—	—	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.90	—	—	5.00E-02	mg/L	—	—	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.30	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.00	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.79	—	—	6.60E-02	mg/L	—	J+	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.63	—	—	6.60E-02	mg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.63	—	—	6.60E-02	mg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.69	—	—	6.60E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.61	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.32	—	—	3.30E-02	mg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.24	—	—	3.30E-02	mg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.28	—	—	3.30E-02	mg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.30	—	—	3.30E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.27	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.00	—	—	4.50E-01	mg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	66.40	—	—	4.50E-01	mg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67.00	—	—	3.50E-01	mg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.80	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.40	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	68.10	—	—	4.50E-01	mg/L	—	—	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.10	—	—	4.50E-01	mg/L	—	—	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	66.70	—	—	3.50E-01	mg/L	—	—	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.20	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.90	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.98	—	—	1.10E-01	mg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.06	—	—	1.10E-01	mg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.17	—	—	8.50E-02	mg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.83	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.99	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.17	—	—	1.10E-01	mg/L	—	—	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.93	—	—	1.10E-01	mg/L	—	—	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.14	—	—	8.50E-02	mg/L	—	—	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.96	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.52	—	—	5.00E-02	mg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.54	—	—	5.00E-02	mg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.23	—	—	5.00E-02	mg/L	J	U	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.53	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.55	—	—	5.00E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC

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

Location	Port Name	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	P1A	874	05/26/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.50	—	—	5.00E-02	µg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.52	—	—	5.00E-02	µg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.49	—	—	5.00E-02	µg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.50	—	—	5.00E-02	µg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.46	—	—	5.00E-02	µg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.45	—	—	5.00E-02	mg/L	—	J	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.62	—	—	5.00E-02	mg/L	E	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.77	—	—	5.00E-02	mg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.55	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.54	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.59	—	—	5.00E-02	mg/L	—	J	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.50	—	—	5.00E-02	mg/L	E	—	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.75	—	—	5.00E-02	mg/L	—	—	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.58	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.52	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.80	—	—	1.00E-01	mg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.10	—	—	1.00E-01	mg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.30	—	—	1.00E-01	mg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.60	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.40	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.20	—	—	1.00E-01	mg/L	—	—	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.70	—	—	1.00E-01	mg/L	—	—	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.20	—	—	1.00E-01	mg/L	—	—	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.70	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.50	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	185.00	—	—	1.00E+00	µS/cm	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	181.00	—	—	1.00E+00	µS/cm	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	181.00	—	—	1.00E+00	µS/cm	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187.00	—	—	1.00E+00	µS/cm	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	189.00	—	—	1.00E+00	µS/cm	—	—	10-3068	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.21	—	—	1.00E-01	mg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.89	—	—	1.00E-01	mg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.01	—	—	1.00E-01	mg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.36	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.01	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	124.00	—	—	2.40E+00	mg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156.00	—	—	2.40E+00	mg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156.00	—	—	2.40E+00	mg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162.00	—	—	2.40E+00	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151.00	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.51	—	—	3.30E-01	mg/L	J	J	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.52	—	—	3.30E-01	mg/L	J	J	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.34	—	—	3.30E-01	mg/L	J	J	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.40	—	—	3.30E-01	mg/L	J	J	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1.00	—	—	3.30E-01	mg/L	U	U	10-3068	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.04	—	—	1.00E-02	SU	H	J-	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	11-578	CASA-11-1364	GELC
R-10	P1A	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	P1A	874	05/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.20	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16769	GELC

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

Location	Port Name	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	P1A	874	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	46.50	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.80	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	49.20	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.50	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.80	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.30	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.60	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.20	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	50.00	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.30	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.40	—	—	1.50E+01	µg/L	J	J	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.40	—	—	1.50E+01	µg/L	J	J	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.00	—	—	1.50E+01	µg/L	J	J	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.20	—	—	1.50E+01	µg/L	J	J	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.30	—	—	1.50E+01	µg/L	J	J	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.70	—	—	1.50E+01	µg/L	J	J	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.20	—	—	1.50E+01	µg/L	J	J	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.50	—	—	1.50E+01	µg/L	J	J	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.90	—	—	1.50E+01	µg/L	J	J	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.60	—	—	1.50E+01	µg/L	J	J	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.48	—	—	2.00E+00	µg/L	J	J	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.63	—	—	2.00E+00	µg/L	J	J	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.50	—	—	2.50E+00	µg/L	J	J	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.62	—	—	2.50E+00	µg/L	J	J	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.69	—	—	2.50E+00	µg/L	J	J	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.70E-01	µg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.70E-01	µg/L	—	J	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.63	—	—	1.00E-01	µg/L	—	U	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	1.00E-01	µg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.00E-01	µg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.70E-01	µg/L	—	—	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.70E-01	µg/L	—	J	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.62	—	—	1.00E-01	µg/L	—	U	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	µg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.27	—	—	1.00E-01	µg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.80	—	—	5.30E-02	mg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.80	—	—	5.30E-02	mg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.40	—	—	5.30E-02	mg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.20	—	—	5.30E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.70	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	101.00	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	106.00	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109.00	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	107.00	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	107.00	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	106.00	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	102.00	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108.00	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107.00	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107.00	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16767	GELC

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

Location	Port Name	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	P1A	874	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	6.70E-02	µg/L	—	—	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.31	—	—	6.70E-02	µg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.26	—	—	5.00E-02	µg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.30	—	—	5.00E-02	µg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	µg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.10	—	—	6.70E-02	µg/L	—	—	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	6.70E-02	µg/L	—	—	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	5.00E-02	µg/L	—	—	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	5.00E-02	µg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.04	—	—	5.00E-02	µg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.00	—	—	1.00E+00	µg/L	—	J	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.10	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.70	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.50	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.40	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.10	—	—	1.00E+00	µg/L	—	J	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.70	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.70	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.70	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.00	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.46	—	—	3.30E+00	µg/L	J	J	11-2564	CASA-11-10827	GELC
R-10	P1A	874	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.17	—	—	3.30E+00	µg/L	J	J	11-1359	CASA-11-4572	GELC
R-10	P1A	874	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.54	—	—	3.30E+00	µg/L	J	J	11-578	CASA-11-1364	GELC
R-10	P1A	874	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.30	—	—	3.30E+00	µg/L	J	J	10-3622	CASA-10-22715	GELC
R-10	P1A	874	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.30	—	—	3.30E+00	µg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.22	—	—	3.30E+00	µg/L	J	J	11-2564	CASA-11-10826	GELC
R-10	P1A	874	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.48	—	—	3.30E+00	µg/L	J	J	11-1359	CASA-11-4571	GELC
R-10	P1A	874	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.33	—	—	3.30E+00	µg/L	J	J	11-578	CASA-11-1365	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.17	—	—	3.30E+00	µg/L	J	J	10-3622	CASA-10-22713	GELC
R-10	P1A	874	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.80	—	—	3.30E+00	µg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00	5.70E-03	3.60E-02	—	pCi/L	U	U	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00	1.50E-03	2.90E-02	—	pCi/L	U	U	10-3621	CASA-10-22713	GELC
R-10	P1A	874	02/09/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.01	1.20E-02	4.00E-02	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	P1A	874	09/23/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00	4.80E-03	3.70E-02	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	P1A	874	02/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.03	7.60E-03	3.50E-02	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.13	2.00E+00	6.40E+00	—	pCi/L	U	U	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.42	1.40E+00	4.70E+00	—	pCi/L	U	U	10-3621	CASA-10-22713	GELC
R-10	P1A	874	02/09/10	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	P1A	874	09/23/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.65	1.50E+00	5.10E+00	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	P1A	874	02/12/09	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	P1A	874	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	4.11	1.80E+00	7.40E+00	—	pCi/L	U	U	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.30	1.60E+00	5.70E+00	—	pCi/L	U	U	10-3621	CASA-10-22713	GELC
R-10	P1A	874	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.43	1.60E+00	5.00E+00	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	P1A	874	09/23/09	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	P1A	874	02/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.45	1.40E+00	4.60E+00	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.92	7.60E-01	2.60E+00	—	pCi/L	U	U	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.76	5.60E-01	1.90E+00	—	pCi/L	U	U	10-3621	CASA-10-22713	GELC
R-10	P1A	874	11/10/09	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	P1A	874	09/23/09	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	P1A	874	08/15/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.66	9.26E-01	2.81E+00	—	pCi/L	U	U	191714	GU07080GR10101	GELC

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

Location	Port Name	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	P1A	874	05/26/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.51	8.60E-01	3.00E+00	—	pCi/L	U	U	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	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	P1A	874	02/09/10	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	P1A	874	11/10/09	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	P1A	874	09/23/09	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	P1A	874	08/15/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.20	9.11E-01	2.86E+00	—	pCi/L	U	U	191714	GU07080GR10101	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	4.10E-03	3.50E-02	—	pCi/L	U	U	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	1.60E-03	2.10E-02	—	pCi/L	U	U	10-3621	CASA-10-22713	GELC
R-10	P1A	874	02/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	4.50E-03	5.20E-02	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	P1A	874	09/23/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	3.10E-03	3.00E-02	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	P1A	874	02/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.01	5.00E-03	3.10E-02	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.01	7.70E-03	5.30E-02	—	pCi/L	U	U	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	2.70E-03	2.10E-02	—	pCi/L	U	U	10-3621	CASA-10-22713	GELC
R-10	P1A	874	02/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.01	6.10E-03	3.60E-02	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	P1A	874	09/23/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.01	4.30E-03	2.90E-02	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	P1A	874	02/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	4.50E-03	4.50E-02	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-29.60	2.00E+01	5.80E+01	—	pCi/L	U	U	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-29.50	1.70E+01	4.90E+01	—	pCi/L	U	U	10-3621	CASA-10-22713	GELC
R-10	P1A	874	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.70	2.20E+01	7.80E+01	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	P1A	874	09/23/09	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	P1A	874	02/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.50	1.90E+01	6.40E+01	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.02	2.00E+00	5.90E+00	—	pCi/L	U	U	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.95	1.50E+00	5.30E+00	—	pCi/L	U	U	10-3621	CASA-10-22713	GELC
R-10	P1A	874	02/09/10	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	P1A	874	09/23/09	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	P1A	874	02/12/09	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	P1A	874	05/26/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00	1.30E-01	4.80E-01	—	pCi/L	U	U	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.01	1.20E-01	4.60E-01	—	pCi/L	U	U	10-3621	CASA-10-22713	GELC
R-10	P1A	874	02/09/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.02	1.40E-01	4.90E-01	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	P1A	874	09/23/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.06	1.30E-01	4.40E-01	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	P1A	874	02/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.46	1.50E-01	4.80E-01	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.71	6.20E-02	5.60E-02	—	pCi/L	—	—	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.72	6.90E-02	7.30E-02	—	pCi/L	—	—	10-3621	CASA-10-22713	GELC
R-10	P1A	874	02/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.65	7.10E-02	6.30E-02	—	pCi/L	—	J+	10-1780	CASA-10-9475	GELC
R-10	P1A	874	09/23/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.80	7.60E-02	1.00E-01	—	pCi/L	—	—	09-3334	CASA-09-12923	GELC
R-10	P1A	874	02/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.89	1.00E-01	2.60E-01	—	pCi/L	—	—	09-891	CASA-09-2786	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.03	8.90E-03	3.20E-02	—	pCi/L	U	U	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.04	1.20E-02	4.40E-02	—	pCi/L	U	U	10-3621	CASA-10-22713	GELC
R-10	P1A	874	02/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.02	1.30E-02	5.00E-02	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	P1A	874	09/23/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.02	8.20E-03	5.30E-02	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	P1A	874	02/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00	2.60E-02	1.20E-01	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	P1A	874	05/26/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.31	3.30E-02	2.50E-02	—	pCi/L	—	—	11-2565	CASA-11-10826	GELC
R-10	P1A	874	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.40	4.40E-02	5.10E-02	—	pCi/L	—	—	10-3621	CASA-10-22713	GELC
R-10	P1A	874	02/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.38	4.90E-02	4.50E-02	—	pCi/L	—	J+	10-1780	CASA-10-9475	GELC
R-10	P1A	874	09/23/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.42	4.70E-02	6.40E-02	—	pCi/L	—	—	09-3334	CASA-09-12923	GELC
R-10	P1A	874	02/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.38	6.70E-02	1.50E-01	—	pCi/L	—	—	09-891	CASA-09-2786	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	92.60	—	—	7.30E-01	mg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	83.70	—	—	7.30E-01	mg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.90	—	—	7.30E-01	mg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	82.60	—	—	7.30E-01	mg/L	—	—	10-3622	CASA-10-22716	GELC

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

Location	Port Name	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	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.70	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.60	—	—	5.00E-02	mg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.20	—	—	5.00E-02	mg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.10	—	—	5.00E-02	mg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.10	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.90	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.90	—	—	5.00E-02	mg/L	—	—	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.20	—	—	5.00E-02	mg/L	—	—	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.00	—	—	5.00E-02	mg/L	—	—	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.40	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.40	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.34	—	—	6.60E-02	mg/L	—	J+	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.15	—	—	6.60E-02	mg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.18	—	—	6.60E-02	mg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.71	—	—	6.60E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.08	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.27	—	—	3.30E-02	mg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.21	—	—	3.30E-02	mg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.25	—	—	3.30E-02	mg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.30	—	—	3.30E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.24	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.20	—	—	4.50E-01	mg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	71.40	—	—	4.50E-01	mg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	74.70	—	—	3.50E-01	mg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.30	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.70	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.50	—	—	4.50E-01	mg/L	—	—	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.20	—	—	4.50E-01	mg/L	—	—	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	74.30	—	—	3.50E-01	mg/L	—	—	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.40	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	69.00	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.34	—	—	1.10E-01	mg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.45	—	—	1.10E-01	mg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.75	—	—	8.50E-02	mg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.81	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.51	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.43	—	—	1.10E-01	mg/L	—	—	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.45	—	—	1.10E-01	mg/L	—	—	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.73	—	—	8.50E-02	mg/L	—	—	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.91	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.39	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.50	—	—	5.00E-02	mg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.22	—	—	5.00E-02	mg/L	J	U	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.46	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	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	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.52	—	—	5.00E-02	µg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.53	—	—	5.00E-02	µg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.53	—	—	5.00E-02	µg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.48	—	—	5.00E-02	µg/L	—	—	10-3622	CASA-10-22716	GELC

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

Location	Port Name	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	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.48	—	—	5.00E-02	µg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.68	—	—	5.00E-02	mg/L	—	J	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.74	—	—	5.00E-02	mg/L	E	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.04	—	—	5.00E-02	mg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.51	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.76	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.71	—	—	5.00E-02	mg/L	—	J	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.74	—	—	5.00E-02	mg/L	E	—	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.03	—	—	5.00E-02	mg/L	—	—	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.62	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.69	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.30	—	—	1.00E-01	mg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.80	—	—	1.00E-01	mg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.40	—	—	1.00E-01	mg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.40	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.60	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.50	—	—	1.00E-01	mg/L	—	—	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.70	—	—	1.00E-01	mg/L	—	—	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.40	—	—	1.00E-01	mg/L	—	—	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.70	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.20	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	202.00	—	—	1.00E+00	µS/cm	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	198.00	—	—	1.00E+00	µS/cm	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	199.00	—	—	1.00E+00	µS/cm	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187.00	—	—	1.00E+00	µS/cm	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	202.00	—	—	1.00E+00	µS/cm	—	—	10-3068	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.03	—	—	1.00E-01	mg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.78	—	—	1.00E-01	mg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.83	—	—	1.00E-01	mg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.17	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.83	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152.00	—	—	2.40E+00	mg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	164.00	—	—	2.40E+00	mg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163.00	—	—	2.40E+00	mg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160.00	—	—	2.40E+00	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163.00	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.06	—	—	3.50E-02	mg/L	J	J	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.10	—	—	3.30E-02	mg/L	U	U	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.10	—	—	3.30E-02	mg/L	U	UJ	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.10	—	—	3.30E-02	mg/L	U	U	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.10	—	—	3.30E-02	mg/L	U	UJ	10-3068	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.04	—	—	3.30E-01	mg/L	—	—	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.56	—	—	3.30E-01	mg/L	J	J	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1.00	—	—	3.30E-01	mg/L	U	U	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1.00	—	—	3.30E-01	mg/L	U	U	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1.00	—	—	3.30E-01	mg/L	U	U	10-3068	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.20	—	—	1.00E-02	SU	H	J-	10-3622	CASA-10-22716	GELC

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

Location	Port Name	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	P2A	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	P2A	1042	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.40	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.70	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.40	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.30	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.20	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.30	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.10	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.60	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.10	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.20	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.00	—	—	1.50E+01	µg/L	J	J	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.90	—	—	1.50E+01	µg/L	J	J	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	29.80	—	—	1.50E+01	µg/L	J	J	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.40	—	—	1.50E+01	µg/L	J	J	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.90	—	—	1.50E+01	µg/L	J	J	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.40	—	—	1.50E+01	µg/L	J	J	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.30	—	—	1.50E+01	µg/L	J	J	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	30.20	—	—	1.50E+01	µg/L	J	J	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.00	—	—	1.50E+01	µg/L	J	J	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.10	—	—	1.50E+01	µg/L	J	J	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.99	—	—	1.70E-01	µg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.70E-01	µg/L	—	J	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.37	—	—	1.00E-01	µg/L	—	U	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.00E-01	µg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.10	—	—	1.00E-01	µg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.02	—	—	1.70E-01	µg/L	—	—	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.00	—	—	1.70E-01	µg/L	—	J	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.45	—	—	1.00E-01	µg/L	—	U	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	µg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	µg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.52	—	—	5.00E-01	µg/L	J	J	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.65	—	—	5.00E-01	µg/L	J	J	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.01	—	—	5.00E-01	µg/L	J	J	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.50	—	—	5.00E-01	µg/L	J	J	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.74	—	—	5.00E-01	µg/L	J	J	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.58	—	—	5.00E-01	µg/L	J	J	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.68	—	—	5.00E-01	µg/L	J	J	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.16	—	—	5.00E-01	µg/L	J	J	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.69	—	—	5.00E-01	µg/L	J	J	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.78	—	—	5.00E-01	µg/L	J	J	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.20	—	—	5.30E-02	mg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.20	—	—	5.30E-02	mg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.50	—	—	5.30E-02	mg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.60	—	—	5.30E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.50	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	100.00	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	106.00	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	112.00	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	105.00	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22716	GELC

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

Location	Port Name	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	P2A	1042	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	110.00	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	101.00	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	105.00	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	112.00	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107.00	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108.00	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	6.70E-02	µg/L	—	—	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.53	—	—	6.70E-02	µg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.44	—	—	5.00E-02	µg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.31	—	—	5.00E-02	µg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.18	—	—	5.00E-02	µg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.34	—	—	6.70E-02	µg/L	—	—	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.55	—	—	6.70E-02	µg/L	—	—	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	5.00E-02	µg/L	—	—	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.34	—	—	5.00E-02	µg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	µg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.30	—	—	1.00E+00	µg/L	—	J	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.70	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.80	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.20	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.00	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.30	—	—	1.00E+00	µg/L	—	J	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.80	—	—	1.00E+00	µg/L	—	—	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.60	—	—	1.00E+00	µg/L	—	—	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.60	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.70	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.49	—	—	3.30E+00	µg/L	J	J	11-2564	CASA-11-10829	GELC
R-10	P2A	1042	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	20.40	—	—	3.30E+00	µg/L	—	—	11-1359	CASA-11-4574	GELC
R-10	P2A	1042	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.95	—	—	3.30E+00	µg/L	J	J	11-578	CASA-11-1366	GELC
R-10	P2A	1042	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.98	—	—	3.30E+00	µg/L	J	J	10-3622	CASA-10-22716	GELC
R-10	P2A	1042	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.00	—	—	3.30E+00	µg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.30	—	—	3.30E+00	µg/L	—	—	11-2564	CASA-11-10828	GELC
R-10	P2A	1042	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.80	—	—	3.30E+00	µg/L	—	—	11-1359	CASA-11-4573	GELC
R-10	P2A	1042	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.30	—	—	3.30E+00	µg/L	—	—	11-578	CASA-11-1367	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.31	—	—	3.30E+00	µg/L	J	J	10-3622	CASA-10-22718	GELC
R-10	P2A	1042	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.80	—	—	3.30E+00	µg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.02	7.00E-03	2.70E-02	—	pCi/L	U	U	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.01	4.70E-03	3.40E-02	—	pCi/L	U	U	10-3621	CASA-10-22718	GELC
R-10	P2A	1042	02/09/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.01	7.20E-03	3.60E-02	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	P2A	1042	09/23/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.01	3.90E-03	3.60E-02	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	P2A	1042	05/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00	6.60E-03	4.40E-02	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.23	1.50E+00	5.20E+00	—	pCi/L	U	U	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	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	P2A	1042	02/09/10	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	P2A	1042	09/23/09	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	P2A	1042	05/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.96	1.30E+00	4.10E+00	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.55	1.60E+00	5.00E+00	—	pCi/L	U	U	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	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	P2A	1042	02/09/10	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	P2A	1042	09/23/09	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

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

Location	Port Name	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	P2A	1042	05/12/09	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	P2A	1042	05/26/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.27	5.10E-01	2.30E+00	—	pCi/L	U	U	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	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	P2A	1042	11/10/09	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	P2A	1042	09/23/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.81	7.20E-01	2.60E+00	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	P2A	1042	05/12/09	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	P2A	1042	05/26/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.49	9.70E-01	2.80E+00	—	pCi/L	—	—	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	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	P2A	1042	02/09/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.70	9.50E-01	2.40E+00	—	pCi/L	—	—	10-1777	CASA-10-9479	GELC
R-10	P2A	1042	11/10/09	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	P2A	1042	09/23/09	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	P2A	1042	05/12/09	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	P2A	1042	05/26/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.01	6.00E-03	2.70E-02	—	pCi/L	U	U	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	2.90E-03	2.20E-02	—	pCi/L	U	U	10-3621	CASA-10-22718	GELC
R-10	P2A	1042	02/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.01	1.20E-02	5.30E-02	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	P2A	1042	09/23/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	4.40E-03	2.80E-02	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	P2A	1042	05/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	2.40E-03	2.70E-02	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.01	5.90E-03	4.10E-02	—	pCi/L	U	U	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	2.40E-03	2.30E-02	—	pCi/L	U	U	10-3621	CASA-10-22718	GELC
R-10	P2A	1042	02/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	4.60E-03	3.70E-02	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	P2A	1042	09/23/09	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	P2A	1042	05/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	3.40E-03	3.30E-02	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	9.84	2.00E+01	7.00E+01	—	pCi/L	U	U	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.40	1.80E+01	6.50E+01	—	pCi/L	U	U	10-3621	CASA-10-22718	GELC
R-10	P2A	1042	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	15.00	2.10E+01	7.50E+01	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	P2A	1042	09/23/09	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	P2A	1042	05/12/09	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	P2A	1042	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.70	1.80E+00	5.80E+00	—	pCi/L	U	U	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	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	P2A	1042	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.63	1.70E+00	6.00E+00	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	P2A	1042	09/23/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.46	1.90E+00	6.00E+00	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	P2A	1042	05/12/09	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	P2A	1042	05/26/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.03	1.40E-01	4.90E-01	—	pCi/L	U	U	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.17	1.00E-01	4.50E-01	—	pCi/L	U	U	10-3621	CASA-10-22718	GELC
R-10	P2A	1042	02/09/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.19	1.20E-01	4.90E-01	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	P2A	1042	09/23/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.15	8.40E-02	2.70E-01	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	P2A	1042	05/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.06	1.30E-01	4.70E-01	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.84	7.20E-02	5.80E-02	—	pCi/L	—	—	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.64	6.20E-02	7.20E-02	—	pCi/L	—	—	10-3621	CASA-10-22718	GELC
R-10	P2A	1042	02/09/10	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	P2A	1042	09/23/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.98	8.80E-02	1.00E-01	—	pCi/L	—	—	09-3334	CASA-09-12927	GELC
R-10	P2A	1042	05/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.94	8.60E-02	1.20E-01	—	pCi/L	—	—	09-1841	CASA-09-8270	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.03	1.00E-02	3.30E-02	—	pCi/L	—	—	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.02	9.30E-03	4.30E-02	—	pCi/L	U	U	10-3621	CASA-10-22718	GELC
R-10	P2A	1042	02/09/10	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	P2A	1042	09/23/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.03	1.20E-02	5.10E-02	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	P2A	1042	05/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.02	1.10E-02	5.70E-02	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	P2A	1042	05/26/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.41	4.10E-02	2.60E-02	—	pCi/L	—	—	11-2565	CASA-11-10828	GELC
R-10	P2A	1042	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.34	3.90E-02	5.00E-02	—	pCi/L	—	—	10-3621	CASA-10-22718	GELC
R-10	P2A	1042	02/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.45	5.90E-02	5.70E-02	—	pCi/L	—	—	10-1777	CASA-10-9479	GELC

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

Location	Port Name	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	P2A	1042	09/23/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.44	4.70E-02	6.10E-02	—	pCi/L	—	—	09-3334	CASA-09-12927	GELC
R-10	P2A	1042	05/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.42	4.70E-02	6.10E-02	—	pCi/L	—	—	09-1841	CASA-09-8270	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	95.70	—	—	7.30E-01	mg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.70	—	—	7.30E-01	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	91.00	—	—	7.30E-01	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	95.30	—	—	7.30E-01	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.60	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.12	—	—	6.60E-02	mg/L	J	J	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.10	—	—	6.60E-02	mg/L	J	J	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.20	—	—	6.60E-02	mg/L	U	U	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.15	—	—	6.60E-02	mg/L	J	J	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.07	—	—	6.60E-02	mg/L	J	J	10-3068	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.40	—	—	5.00E-02	mg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.70	—	—	5.00E-02	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.90	—	—	5.00E-02	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.90	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.90	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.60	—	—	5.00E-02	mg/L	—	—	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.80	—	—	5.00E-02	mg/L	—	—	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.20	—	—	5.00E-02	mg/L	—	—	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.60	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.40	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	Single	690	02/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.90	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.43	—	—	6.60E-02	mg/L	—	J+	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.12	—	—	6.60E-02	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.96	—	—	6.60E-02	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.01	—	—	6.60E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.90	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.44	—	—	3.30E-02	mg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.41	—	—	3.30E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.37	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.30	—	—	4.50E-01	mg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.40	—	—	4.50E-01	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.60	—	—	3.50E-01	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.80	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.40	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.30	—	—	4.50E-01	mg/L	—	—	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.90	—	—	4.50E-01	mg/L	—	—	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	83.50	—	—	3.50E-01	mg/L	—	—	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.00	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	83.90	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	1.10E-01	mg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	1.10E-01	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.72	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.70	—	—	1.10E-01	mg/L	—	—	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.74	—	—	1.10E-01	mg/L	—	—	11-1368	CASA-11-4576	GELC

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

Location	Port Name	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	Single	690	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.77	—	—	8.50E-02	mg/L	—	—	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.79	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.64	—	—	5.00E-02	mg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.17	—	—	5.00E-02	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.25	—	—	5.00E-02	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	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	Single	690	05/05/10	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	Single	690	05/26/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.85	—	—	5.00E-02	µg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.80	—	—	5.00E-02	µg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.89	—	—	5.00E-02	µg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.80	—	—	5.00E-02	µg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.78	—	—	5.00E-02	µg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.01	—	—	5.00E-02	mg/L	—	J	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.05	—	—	5.00E-02	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.23	—	—	5.00E-02	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.20	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.29	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.06	—	—	5.00E-02	mg/L	—	—	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.09	—	—	5.00E-02	mg/L	—	—	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.29	—	—	5.00E-02	mg/L	—	—	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.16	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.07	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.80	—	—	1.00E-01	mg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.20	—	—	1.00E-01	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.60	—	—	1.00E-01	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.30	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.60	—	—	1.00E-01	mg/L	—	J	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.90	—	—	1.00E-01	mg/L	—	—	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.20	—	—	1.00E-01	mg/L	—	—	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.50	—	—	1.00E-01	mg/L	—	—	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.20	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.80	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	240.00	—	—	1.00E+00	µS/cm	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	242.00	—	—	1.00E+00	µS/cm	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	236.00	—	—	1.00E+00	µS/cm	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	243.00	—	—	1.00E+00	µS/cm	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	245.00	—	—	1.00E+00	µS/cm	—	—	10-3068	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.60	—	—	1.00E-01	mg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.10	—	—	1.00E-01	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.68	—	—	1.00E-01	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.78	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.88	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	148.00	—	—	2.40E+00	mg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	180.00	—	—	2.40E+00	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	181.00	—	—	2.40E+00	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	190.00	—	—	2.40E+00	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	174.00	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.06	—	—	3.50E-02	mg/L	J	J	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.10	—	—	3.30E-02	mg/L	U	U	11-1368	CASA-11-4576	GELC

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

Location	Port Name	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	Single	690	11/09/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.10	—	—	3.30E-02	mg/L	U	UJ	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.10	—	—	3.30E-02	mg/L	U	U	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.10	—	—	3.30E-02	mg/L	U	UJ	10-3068	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.68	—	—	3.30E-01	mg/L	J	J	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.54	—	—	3.30E-01	mg/L	J	J	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.70	—	—	3.30E-01	mg/L	J	J	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	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	Single	690	05/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1.00	—	—	3.30E-01	mg/L	U	U	10-3068	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.00	—	—	1.00E-02	SU	H	J-	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	11-457	CASA-11-1369	GELC
R-10a	Single	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	Single	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	Single	690	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	76.00	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	77.60	—	—	1.00E+00	µg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	79.30	—	—	1.00E+00	µg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	82.30	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	76.40	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	76.70	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	77.60	—	—	1.00E+00	µg/L	—	—	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79.30	—	—	1.00E+00	µg/L	—	—	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	78.10	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	77.70	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.30	—	—	1.50E+01	µg/L	J	J	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.10	—	—	1.50E+01	µg/L	J	J	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.30	—	—	1.50E+01	µg/L	J	J	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.80	—	—	1.50E+01	µg/L	J	J	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.80	—	—	1.50E+01	µg/L	J	J	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.00	—	—	1.50E+01	µg/L	J	J	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.40	—	—	1.50E+01	µg/L	J	J	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.10	—	—	1.50E+01	µg/L	J	J	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.30	—	—	1.50E+01	µg/L	J	J	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.60	—	—	1.50E+01	µg/L	J	J	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.42	—	—	2.00E+00	µg/L	J	J	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.99	—	—	2.00E+00	µg/L	J	J	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.54	—	—	2.50E+00	µg/L	J	J	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.51	—	—	2.50E+00	µg/L	J	J	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.56	—	—	2.50E+00	µg/L	J	J	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.98	—	—	2.00E+00	µg/L	J	J	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.62	—	—	2.00E+00	µg/L	J	J	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.40	—	—	2.50E+00	µg/L	J	J	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.37	—	—	2.50E+00	µg/L	J	J	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.76	—	—	2.50E+00	µg/L	J	J	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.70E-01	µg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.27	—	—	1.70E-01	µg/L	—	J	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.31	—	—	1.00E-01	µg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.00E-01	µg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	µg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.70E-01	µg/L	—	—	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.20	—	—	1.70E-01	µg/L	—	J	11-1368	CASA-11-4576	GELC

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

Location	Port Name	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	Single	690	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.33	—	—	1.00E-01	µg/L	—	—	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.36	—	—	1.00E-01	µg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.30	—	—	1.00E-01	µg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.87	—	—	5.00E-01	µg/L	J	J	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.91	—	—	5.00E-01	µg/L	J	J	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2.00	—	—	5.00E-01	µg/L	U	U	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.98	—	—	5.00E-01	µg/L	J	J	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.29	—	—	5.00E-01	µg/L	J	J	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.89	—	—	5.00E-01	µg/L	J	J	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.95	—	—	5.00E-01	µg/L	J	J	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.80	—	—	5.00E-01	µg/L	J	J	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	5.00E-01	µg/L	J	J	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.43	—	—	5.00E-01	µg/L	J	J	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.00	—	—	5.30E-02	mg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	52.50	—	—	5.30E-02	mg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.90	—	—	5.30E-02	mg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.30	—	—	5.30E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.50	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	188.00	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	195.00	—	—	1.00E+00	µg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	194.00	—	—	1.00E+00	µg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	202.00	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	202.00	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	189.00	—	—	1.00E+00	µg/L	—	—	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	195.00	—	—	1.00E+00	µg/L	—	—	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	195.00	—	—	1.00E+00	µg/L	—	—	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	200.00	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	201.00	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.17	—	—	6.70E-02	µg/L	—	—	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.59	—	—	6.70E-02	µg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.17	—	—	5.00E-02	µg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.47	—	—	5.00E-02	µg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.83	—	—	5.00E-02	µg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.20	—	—	6.70E-02	µg/L	—	—	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.53	—	—	6.70E-02	µg/L	—	—	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.22	—	—	5.00E-02	µg/L	—	—	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.44	—	—	5.00E-02	µg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.13	—	—	5.00E-02	µg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.55	—	—	1.00E+00	µg/L	—	J	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.18	—	—	1.00E+00	µg/L	—	—	11-1368	CASA-11-4575	GELC
R-10a	Single	690	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.34	—	—	1.00E+00	µg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.44	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.60	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.75	—	—	1.00E+00	µg/L	—	J	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.03	—	—	1.00E+00	µg/L	—	—	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.31	—	—	1.00E+00	µg/L	—	—	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.48	—	—	1.00E+00	µg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.97	—	—	1.00E+00	µg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.79	—	—	3.30E+00	µg/L	J	J	11-2564	CASA-11-10831	GELC
R-10a	Single	690	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.85	—	—	3.30E+00	µg/L	J	J	11-1368	CASA-11-4575	GELC

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

Location	Port Name	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	Single	690	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16.40	—	—	3.30E+00	µg/L	—	—	11-457	CASA-11-1369	GELC
R-10a	Single	690	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.93	—	—	3.30E+00	µg/L	J	J	10-3622	CASA-10-22720	GELC
R-10a	Single	690	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.50	—	—	3.30E+00	µg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.20	—	—	3.30E+00	µg/L	—	—	11-2564	CASA-11-10830	GELC
R-10a	Single	690	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.76	—	—	3.30E+00	µg/L	J	J	11-1368	CASA-11-4576	GELC
R-10a	Single	690	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.50	—	—	3.30E+00	µg/L	—	—	11-457	CASA-11-1368	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.10	—	—	3.30E+00	µg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	Single	690	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.90	—	—	3.30E+00	µg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00	4.00E-03	2.80E-02	—	pCi/L	U	U	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00	1.80E-03	3.30E-02	—	pCi/L	U	U	10-3621	CASA-10-22719	GELC
R-10a	Single	690	02/09/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.01	4.70E-03	3.80E-02	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	Single	690	08/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.02	9.10E-03	3.40E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	Single	690	05/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00	4.80E-03	4.00E-02	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.72	1.90E+00	5.50E+00	—	pCi/L	U	U	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.40	1.60E+00	5.60E+00	—	pCi/L	U	U	10-3621	CASA-10-22719	GELC
R-10a	Single	690	02/09/10	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	Single	690	08/12/09	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	Single	690	05/12/09	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	Single	690	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.39	2.00E+00	6.70E+00	—	pCi/L	U	U	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	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	Single	690	02/09/10	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	Single	690	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.05	1.40E+00	4.60E+00	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	Single	690	05/12/09	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	Single	690	05/26/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.81	9.10E-01	2.50E+00	—	pCi/L	U	U	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	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	Single	690	08/12/09	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	Single	690	05/12/09	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	Single	690	05/26/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.13	1.00E+00	2.80E+00	—	pCi/L	—	—	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	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	Single	690	08/12/09	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	Single	690	05/12/09	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	Single	690	05/26/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.01	5.70E-03	2.60E-02	—	pCi/L	U	U	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00	3.30E-03	2.20E-02	—	pCi/L	U	U	10-3621	CASA-10-22719	GELC
R-10a	Single	690	02/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.01	7.70E-03	4.70E-02	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	Single	690	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.02	9.60E-03	3.30E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	Single	690	05/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.03	7.00E-03	2.90E-02	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	3.70E-03	4.00E-02	—	pCi/L	U	U	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	2.80E-03	2.20E-02	—	pCi/L	U	U	10-3621	CASA-10-22719	GELC
R-10a	Single	690	02/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	5.00E-03	3.30E-02	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	Single	690	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00	5.40E-03	4.00E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	Single	690	05/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.02	6.50E-03	3.50E-02	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	35.90	2.90E+01	1.00E+02	—	pCi/L	U	U	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.28	2.30E+01	8.00E+01	—	pCi/L	U	U	10-3621	CASA-10-22719	GELC
R-10a	Single	690	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.30	2.00E+01	7.60E+01	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	Single	690	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.50	1.80E+01	5.70E+01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	Single	690	05/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.40	1.80E+01	5.80E+01	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.78	1.60E+00	6.30E+00	—	pCi/L	U	U	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	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	Single	690	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.48	1.60E+00	5.00E+00	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	Single	690	08/12/09	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

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

Location	Port Name	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	Single	690	05/12/09	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	Single	690	05/26/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.25	1.20E-01	4.90E-01	—	pCi/L	U	U	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.21	1.40E-01	4.60E-01	—	pCi/L	U	U	10-3621	CASA-10-22719	GELC
R-10a	Single	690	02/09/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.20	1.20E-01	4.80E-01	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	Single	690	08/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.26	1.50E-01	4.80E-01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	Single	690	05/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.31	1.00E-01	4.40E-01	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.40	4.70E-02	8.40E-02	—	pCi/L	—	—	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	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	Single	690	02/09/10	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	Single	690	08/12/09	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	Single	690	05/12/09	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	Single	690	05/26/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.02	9.30E-03	4.80E-02	—	pCi/L	U	U	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.03	1.10E-02	4.00E-02	—	pCi/L	U	U	10-3621	CASA-10-22719	GELC
R-10a	Single	690	02/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.02	1.10E-02	4.90E-02	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	Single	690	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.03	1.30E-02	5.30E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	Single	690	05/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.07	1.40E-02	4.30E-02	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.30	3.80E-02	3.80E-02	—	pCi/L	—	—	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.70	6.50E-02	4.50E-02	—	pCi/L	—	—	10-3621	CASA-10-22719	GELC
R-10a	Single	690	02/09/10	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	Single	690	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.70	6.70E-02	5.30E-02	—	pCi/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	Single	690	05/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.77	6.80E-02	4.60E-02	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	Single	690	05/26/11	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	—	17.30	—	—	2.10E+00	µg/L	—	—	11-2565	CASA-11-10830	GELC
R-10a	Single	690	07/08/10	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10.50	—	—	2.10E+00	µg/L	U	U	10-3621	CASA-10-22719	GELC
R-10a	Single	690	02/09/10	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10.20	—	—	2.00E+00	µg/L	U	U	10-1776	CASA-10-9456	GELC
R-10a	Single	690	08/12/09	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	11.10	—	—	2.20E+00	µg/L	U	U	09-2854	CASA-09-10359	GELC
R-10a	Single	690	05/12/09	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10.50	—	—	2.10E+00	µg/L	U	U	09-1846	CASA-09-8272	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	3.77	8.94E-01	2.08E+00	—	pCi/L	—	—	11-2519	CASA-11-10811	ARSL
R-11	Single	855	11/11/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	44.35	6.77E+00	2.30E+00	—	pCi/L	—	—	11-556	CASA-11-1371	ARSL
R-11	Single	855	05/05/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	3.99	9.26E-01	2.20E+00	—	pCi/L	—	—	10-3122	CASA-10-16778	ARSL
R-11	Single	855	01/29/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.25	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1599	CASA-10-9459	UMTL
R-11	Single	855	11/18/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	6.74	2.87E-01	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3714	UMTL
R-12	P1A	459	06/03/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-80.52	—	—	—	permil	—	—	11-2617	CASA-11-10823	EES6
R-12	P1A	459	11/12/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.48	—	—	—	permil	—	—	10-480	CASA-10-3822	EES6
R-12	P1A	459	08/05/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.94	—	—	1.00E-02	permil	—	—	09-2789	CASA-09-10380	EES6
R-12	P1A	459	05/07/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.44	—	—	1.00E-03	permil	—	—	09-1791	CASA-09-8276	EES6
R-12	P1A	459	02/20/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.27	—	—	—	permil	—	—	09-983	CASA-09-3011	EES6
R-12	P1A	459	02/20/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.99	—	—	—	permil	—	—	09-983	CASA-09-3011	EES6
R-12	P1A	459	06/03/11	WG	F	CS	—	Isotope	Nitrogen Ratio	N-15/N-14 Ratio	—	24.60	—	—	—	permil	—	—	11-2617	CASA-11-10822	EES6
R-12	P1A	459	06/03/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	N-15/N-14 Ratio	—	24.82	—	—	—	permil	—	—	11-2617	CASA-11-10822	EES6
R-12	P1A	459	11/12/09	WG	F	CS	—	Isotope	Nitrogen Ratio	N-15/N-14 Ratio	—	25.01	—	—	—	permil	—	—	10-480	CASA-10-3821	EES6
R-12	P1A	459	08/05/09	WG	F	CS	—	Isotope	Nitrogen Ratio	N-15/N-14 Ratio	<	24.85	—	—	1.00E-03	permil	U	—	09-2789	CASA-09-10379	EES6
R-12	P1A	459	05/07/09	WG	F	CS	—	Isotope	Nitrogen Ratio	N-15/N-14 Ratio	—	25.11	—	—	1.00E-02	permil	—	—	09-1791	CASA-09-8277	EES6
R-12	P1A	459	05/15/08	WG	F	CS	—	Isotope	Nitrogen Ratio	N-15/N-14 Ratio	—	24.38	1.50E-01	—	—	permil	—	—	08-1159	CASA-08-12852	EES6
R-12	P1A	459	06/03/11	WG	UF	CS	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.29	—	—	—	permil	—	—	11-2617	CASA-11-10823	EES6
R-12	P1A	459	11/12/09	WG	UF	CS	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-10.73	—	—	—	permil	—	—	10-480	CASA-10-3822	EES6
R-12	P1A	459	11/12/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.14	—	—	—	permil	—	—	10-480	CASA-10-3822	EES6
R-12	P1A	459	08/05/09	WG	UF	CS	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.15	—	—	1.00E-03	permil	—	—	09-2789	CASA-09-10380	EES6
R-12	P1A	459	08/05/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.17	—	—	1.00E-03	permil	—	—	09-2789	CASA-09-10380	EES6
R-12	P1A	459	05/07/09	WG	UF	CS	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	<	-11.31	—	—	1.00E-03	permil	U	—	09-1791	CASA-09-8276	EES6
R-12	P1A	459	02/20/09	WG	UF	CS	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.18	—	—	—	permil	—	—	09-983	CASA-09-3011	EES6

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

Location	Port Name	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-12	P1A	459	06/03/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	14.91	2.46E+00	2.75E+00	—	pCi/L	—	U	11-2626	CASA-11-10823	ARSL
R-12	P1A	459	11/17/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium[a]	<	122.65	6.83E+01	2.23E+02	—	pCi/L	U	U	11-747	CASA-11-1356	ARSL
R-12	P1A	459	05/05/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	64.31	9.71E+00	1.72E+00	—	pCi/L	—	—	10-3122	CASA-10-16747	ARSL
R-12	P1A	459	02/09/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	74.08	2.55E+00	2.87E-01	—	pCi/L	—	—	10-1775	CASA-10-9446	UMTL
R-12	P1A	459	11/12/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	75.99	2.55E+00	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3822	UMTL
R-12	P2A	504.5	05/26/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.01	—	—	—	permil	—	—	11-2577	CASA-11-10824	EES6
R-12	P2A	504.5	11/12/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.20	—	—	—	permil	—	—	10-480	CASA-10-3825	EES6
R-12	P2A	504.5	11/12/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.28	—	—	—	permil	—	—	10-480	CASA-10-3825	EES6
R-12	P2A	504.5	08/05/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.42	—	—	1.00E-02	permil	—	—	09-2789	CASA-09-10383	EES6
R-12	P2A	504.5	04/29/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	<	-83.05	—	—	1.00E-03	permil	U	—	09-1659	CASA-09-8279	EES6
R-12	P2A	504.5	02/11/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.14	—	—	—	permil	—	—	09-870	CASA-09-3010	EES6
R-12	P2A	504.5	02/11/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.60	—	—	—	permil	—	—	09-870	CASA-09-3010	EES6
R-12	P2A	504.5	05/26/11	WG	F	CS	—	Isotope	Nitrogen Ratio	N-15/N-14 Ratio	—	9.85	—	—	—	permil	—	—	11-2577	CASA-11-10825	EES6
R-12	P2A	504.5	11/12/09	WG	F	CS	—	Isotope	Nitrogen Ratio	N-15/N-14 Ratio	—	10.41	—	—	—	permil	—	—	10-480	CASA-10-3824	EES6
R-12	P2A	504.5	08/05/09	WG	F	CS	—	Isotope	Nitrogen Ratio	N-15/N-14 Ratio	—	10.93	—	—	1.00E-03	permil	—	—	09-2789	CASA-09-10384	EES6
R-12	P2A	504.5	04/29/09	WG	F	CS	—	Isotope	Nitrogen Ratio	N-15/N-14 Ratio	—	11.59	—	—	1.00E-02	permil	—	—	09-1659	CASA-09-8281	EES6
R-12	P2A	504.5	02/11/09	WG	F	DUP	—	Isotope	Nitrogen Ratio	N-15/N-14 Ratio	—	11.02	—	—	—	permil	—	—	09-870	CASA-09-3007	EES6
R-12	P2A	504.5	05/26/11	WG	UF	CS	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.56	—	—	—	permil	—	—	11-2577	CASA-11-10824	EES6
R-12	P2A	504.5	11/12/09	WG	UF	CS	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.41	—	—	—	permil	—	—	10-480	CASA-10-3825	EES6
R-12	P2A	504.5	11/12/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.26	—	—	—	permil	—	—	10-480	CASA-10-3825	EES6
R-12	P2A	504.5	08/05/09	WG	UF	CS	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.38	—	—	1.00E-03	permil	—	—	09-2789	CASA-09-10383	EES6
R-12	P2A	504.5	08/05/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.02	—	—	1.00E-03	permil	—	—	09-2789	CASA-09-10383	EES6
R-12	P2A	504.5	04/29/09	WG	UF	CS	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.15	—	—	1.00E-02	permil	—	—	09-1659	CASA-09-8279	EES6
R-12	P2A	504.5	04/29/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.30	—	—	1.00E-02	permil	—	—	09-1659	CASA-09-8279	EES6
R-12	P2A	504.5	02/11/09	WG	UF	CS	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.17	—	—	—	permil	—	—	09-870	CASA-09-3010	EES6
R-12	P2A	504.5	02/11/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	O-18/O-16 Ratio	—	-11.22	—	—	—	permil	—	—	09-870	CASA-09-3010	EES6
R-12	P2A	504.5	05/26/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	40.23	6.19E+00	2.87E+00	—	pCi/L	—	J	11-2590	CASA-11-10824	ARSL
R-12	P2A	504.5	11/17/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	55.65	1.15E+00	2.33E+00	—	pCi/L	—	—	11-747	CASA-11-1359	ARSL
R-12	P2A	504.5	05/17/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	40.71	6.19E+00	1.72E+00	—	pCi/L	—	—	10-3221	CASA-10-16749	ARSL
R-12	P2A	504.5	02/09/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	53.00	1.92E+00	2.87E-01	—	pCi/L	—	—	10-1775	CASA-10-9447	UMTL
R-12	P2A	504.5	11/12/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	54.28	1.92E+00	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3825	UMTL
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-1.12	7.66E-01	2.59E+00	—	pCi/L	U	U	11-2519	CASA-11-10813	ARSL
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	24.20	3.77E+00	2.39E+00	—	pCi/L	—	—	11-556	CASA-11-1373	ARSL
R-35a	Single	1013.1	05/14/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-0.16	4.47E-01	1.56E+00	—	pCi/L	U	U	10-3221	CASA-10-16779	ARSL
R-35a	Single	1013.1	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.26	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9464	UMTL
R-35a	Single	1013.1	11/04/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.26	2.87E-01	2.87E-01	—	pCi/L	U	U	10-522	CASA-10-3827	UMTL
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	0.03	8.30E-01	2.78E+00	—	pCi/L	U	U	11-2593	CASA-11-10815	ARSL
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	27.04	4.21E+00	2.68E+00	—	pCi/L	—	—	11-556	CASA-11-1374	ARSL
R-35b	Single	825.4	05/12/10	WG	UF	CS	FD	Rad	LLEE	Tritium[a]	<	0.16	5.11E-01	1.66E+00	—	pCi/L	U	U	10-3221	CASA-10-16790	ARSL
R-35b	Single	825.4	05/12/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	0.35	5.11E-01	1.63E+00	—	pCi/L	U	U	10-3221	CASA-10-16783	ARSL
R-35b	Single	825.4	02/11/10	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.06	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9470	UMTL
R-35b	Single	825.4	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.22	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9469	UMTL
R-35b	Single	825.4	11/03/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	10-336	CASA-10-3830	UMTL
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	15.93	2.62E+00	2.84E+00	—	pCi/L	—	J	11-2626	CASA-11-10816	ARSL
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	93.01	1.40E+01	2.30E+00	—	pCi/L	—	—	11-556	CASA-11-1376	ARSL
R-36	Single	766.9	05/12/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	12.96	2.08E+00	1.79E+00	—	pCi/L	—	—	10-3221	CASA-10-16793	ARSL
R-36	Single	766.9	02/04/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	18.62	6.39E-01	2.87E-01	—	pCi/L	—	—	10-1658	CASA-10-9493	UMTL
R-36	Single	766.9	11/04/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	19.64	6.39E-01	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3854	UMTL

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

Location	Port Name	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-36	Single	766.9	11/04/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	20.18	6.71E-01	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3834	UMTL
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	0.26	7.34E-01	2.43E+00	—	pCi/L	U	U	11-2519	CASA-11-10818	ARSL
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	25.03	3.90E+00	2.49E+00	—	pCi/L	—	—	11-556	CASA-11-1379	ARSL
R-43	P1A	903.9	05/10/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	1.44	5.43E-01	1.63E+00	—	pCi/L	U	U	10-3122	CASA-10-16795	ARSL
R-43	P1A	903.9	02/02/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1599	CASA-10-9484	UMTL
R-43	P1A	903.9	11/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.40	2.87E-01	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3858	UMTL
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-0.54	7.34E-01	2.52E+00	—	pCi/L	U	U	11-2519	CASA-11-10820	ARSL
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	26.73	4.15E+00	2.65E+00	—	pCi/L	—	—	11-556	CASA-11-1380	ARSL
R-43	P2A	969.1	05/10/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	3.77	8.62E-01	2.08E+00	—	pCi/L	—	—	10-3122	CASA-10-16799	ARSL
R-43	P2A	969.1	02/02/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.13	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1599	CASA-10-9486	UMTL
R-43	P2A	969.1	11/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	10-661	CASA-10-3861	UMTL
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	77.40	1.17E+01	2.17E+00	—	pCi/L	—	—	11-2519	CASA-11-10805	ARSL
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	298.64	4.49E+01	2.55E+00	—	pCi/L	—	—	11-556	CASA-11-1360	ARSL
SCI-1	Single	358.4	05/07/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	68.65	1.04E+01	1.82E+00	—	pCi/L	—	—	10-3122	CASA-10-16757	ARSL
SCI-1	Single	358.4	02/05/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	83.34	2.87E+00	2.87E-01	—	pCi/L	—	—	10-1680	CASA-10-9452	UMTL
SCI-1	Single	358.4	11/18/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	97.71	3.19E+00	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3665	UMTL
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Rad	LLEE	Tritium[a]	<	-0.83	5.43E-01	1.85E+00	—	pCi/L	U	U	11-2626	CASA-11-10807	ARSL
SCI-2	Single	548	06/02/11	WG	UF	CS	FD	Rad	LLEE	Tritium[a]	—	433.26	6.51E+01	2.91E+00	—	pCi/L	—	—	11-2626	CASA-11-10809	ARSL
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium[a]	<	680.05	7.77E+01	2.07E+02	—	pCi/L	—	U	11-556	CASA-11-1363	ARSL
SCI-2	Single	548	05/06/10	WG	UF	CS	—	Rad	LLEE	Tritium[a]	—	505.14	7.88E+01	2.30E+02	—	pCi/L	—	—	10-3122	CASA-10-16763	ARSL
SCI-2	Single	548	02/08/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	472.56	1.60E+01	2.87E-01	—	pCi/L	—	—	10-1697	CASA-10-9489	UMTL
SCI-2	Single	548	11/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	494.92	1.60E+01	2.87E-01	—	pCi/L	—	—	10-582	CASA-10-3716	UMTL

[a] Results, 1-sigma TPUs, and MDAs for tritium analyzed by ARSL are being reviewed.

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

Location	Port Name	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	Single	39	08/03/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	111	—	—	7.30E-01	mg/L	—	—	11-3027	CAMO-11-24622	GELC
MCO-7	Single	39	05/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	107	—	—	7.30E-01	mg/L	—	—	11-2456	CAMO-11-10745	GELC
MCO-7	Single	39	02/10/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	107	—	—	7.30E-01	mg/L	—	—	11-1325	CAMO-11-4634	GELC
MCO-7	Single	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	Single	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	Single	39	08/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	86.5	—	—	6.60E-01	mg/L	—	—	11-3027	CAMO-11-24622	GELC
MCO-7	Single	39	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	83.2	—	—	6.60E-01	mg/L	—	—	11-2456	CAMO-11-10745	GELC
MCO-7	Single	39	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	88.5	—	—	6.60E-01	mg/L	—	—	11-1325	CAMO-11-4634	GELC
MCO-7	Single	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	Single	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	Single	39	08/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.921	—	—	3.30E-02	mg/L	—	—	11-3027	CAMO-11-24622	GELC
MCO-7	Single	39	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.78	—	—	3.30E-02	mg/L	—	—	11-2456	CAMO-11-10745	GELC
MCO-7	Single	39	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.812	—	—	3.30E-02	mg/L	—	—	11-1325	CAMO-11-4634	GELC
MCO-7	Single	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	Single	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	Single	39	08/03/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.905	—	—	5.00E-02	mg/L	—	J	11-3027	CAMO-11-24622	GELC
MCO-7	Single	39	05/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.14	—	—	5.00E-02	mg/L	—	—	11-2456	CAMO-11-10745	GELC
MCO-7	Single	39	02/10/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.685	—	—	5.00E-02	mg/L	—	—	11-1325	CAMO-11-4634	GELC
MCO-7	Single	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	Single	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	Single	39	08/03/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.89	—	—	1.00E+00	µg/L	—	—	11-3027	CAMO-11-24622	GELC
MCO-7	Single	39	05/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.93	—	—	5.00E-01	µg/L	—	—	11-2456	CAMO-11-10745	GELC
MCO-7	Single	39	02/10/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.17	—	—	5.00E-01	µg/L	—	—	11-1325	CAMO-11-4634	GELC
MCO-7	Single	39	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.82	—	—	5.00E-01	µg/L	—	—	11-549	CAMO-11-1249	GELC
MCO-7	Single	39	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	8.21	—	—	1.00E+00	µg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	Single	39	08/03/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.89	—	—	1.00E-02	SU	H	J-	11-3027	CAMO-11-24622	GELC
MCO-7	Single	39	05/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.41	—	—	1.00E-02	SU	H	J-	11-2456	CAMO-11-10745	GELC
MCO-7	Single	39	02/10/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.04	—	—	1.00E-02	SU	H	J-	11-1325	CAMO-11-4634	GELC
MCO-7	Single	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	Single	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	Single	39	08/03/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	545	—	—	1.00E+00	µS/cm	—	—	11-3027	CAMO-11-24622	GELC
MCO-7	Single	39	05/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	526	—	—	1.00E+00	µS/cm	—	—	11-2456	CAMO-11-10745	GELC
MCO-7	Single	39	02/10/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	558	—	—	1.00E+00	µS/cm	—	—	11-1325	CAMO-11-4634	GELC
MCO-7	Single	39	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	600	—	—	1.00E+00	µS/cm	—	—	11-549	CAMO-11-1249	GELC
MCO-7	Single	39	07/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	471	—	—	1.00E+00	µS/cm	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	Single	39	08/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.4	—	—	1.00E-01	mg/L	—	J+	11-3027	CAMO-11-24622	GELC
MCO-7	Single	39	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.7	—	—	1.00E-01	mg/L	—	—	11-2456	CAMO-11-10745	GELC
MCO-7	Single	39	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.1	—	—	1.00E-01	mg/L	—	—	11-1325	CAMO-11-4634	GELC
MCO-7	Single	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	Single	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	Single	39	08/03/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	314	—	—	3.40E+00	mg/L	—	—	11-3027	CAMO-11-24622	GELC
MCO-7	Single	39	05/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	321	—	—	2.40E+00	mg/L	—	—	11-2456	CAMO-11-10745	GELC
MCO-7	Single	39	02/10/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	348	—	—	2.40E+00	mg/L	—	—	11-1325	CAMO-11-4634	GELC
MCO-7	Single	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	Single	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	Single	39	08/03/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.04	—	—	3.30E-01	mg/L	—	—	11-3026	CAMO-11-24621	GELC
MCO-7	Single	39	05/18/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.21	—	—	3.30E-01	mg/L	—	—	11-2456	CAMO-11-10746	GELC
MCO-7	Single	39	02/10/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.51	—	—	3.30E-01	mg/L	—	—	11-1325	CAMO-11-4635	GELC
MCO-7	Single	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	Single	39	07/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.32	—	—	3.30E-01	mg/L	—	—	10-3599	CAMO-10-22816	GELC

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

Location	Port Name	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	Single	39	08/03/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.432	—	—	1.50E-02	mg/L	—	J	11-3027	CAMO-11-24622	GELC
MCO-7	Single	39	05/18/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.326	—	—	1.50E-02	mg/L	—	J	11-2456	CAMO-11-10745	GELC
MCO-7	Single	39	02/10/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.188	—	—	1.50E-02	mg/L	—	—	11-1325	CAMO-11-4634	GELC
MCO-7	Single	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	Single	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	Single	39	08/03/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	43.9	—	—	5.30E-02	mg/L	—	—	11-3027	CAMO-11-24622	GELC
MCO-7	Single	39	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.6	—	—	5.30E-02	mg/L	—	—	11-2456	CAMO-11-10745	GELC
MCO-7	Single	39	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.6	—	—	5.30E-02	mg/L	—	—	11-1325	CAMO-11-4634	GELC
MCO-7	Single	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	Single	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
MCOI-5	Single	689	08/10/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.6	—	—	7.30E-01	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	48.1	—	—	7.30E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.5	—	—	7.30E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0491	—	—	1.60E-02	mg/L	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-531	CAMO-11-1254	GELC
MCOI-5	Single	689	07/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.036	—	—	1.60E-02	mg/L	J	J-	10-3605	CAMO-10-22834	GELC
MCOI-5	Single	689	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.142	—	—	6.60E-02	mg/L	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.132	—	—	6.60E-02	mg/L	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.134	—	—	6.60E-02	mg/L	J	J-	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.7	—	—	5.00E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	N	J-	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	N	J-	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.69	—	—	6.60E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.79	—	—	6.60E-02	mg/L	—	J+	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.64	—	—	6.60E-02	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.243	—	—	3.30E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.224	—	—	3.30E-02	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.231	—	—	3.30E-02	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.8	—	—	4.50E-01	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.7	—	—	4.50E-01	mg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.3	—	—	4.50E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.7	—	—	4.50E-01	mg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.1	—	—	4.50E-01	mg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.2	—	—	4.50E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.4	—	—	3.50E-01	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 Name	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	1.10E-01	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	1.10E-01	mg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	1.10E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.18	—	—	1.10E-01	mg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.26	—	—	1.10E-01	mg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.29	—	—	1.10E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.04	—	—	5.00E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4	—	—	1.00E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.89	—	—	1.00E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	82.8	—	—	5.00E+00	µg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	87.9	—	—	5.00E+00	µg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	84.9	—	—	5.00E+00	µg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	99.2	—	—	1.00E+01	µg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	Single	689	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	97.6	—	—	1.00E+01	µg/L	—	J+	10-3605	CAMO-10-22834	GELC
MCOI-5	Single	689	08/10/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J-	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.07	—	—	1.00E-02	SU	H	J-	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.438	—	—	5.00E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.419	—	—	5.00E-02	mg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	<	0.365	—	—	5.00E-02	mg/L	—	U	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	<	0.317	—	—	5.00E-02	mg/L	—	U	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.53	—	—	5.00E-02	mg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.603	—	—	5.00E-02	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.00E-01	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	1.00E-01	mg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	µS/cm	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	186	—	—	1.00E+00	µS/cm	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	µS/cm	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	205	—	—	1.00E+00	µS/cm	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	Single	689	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.2	—	—	1.00E-01	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13	—	—	1.00E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13.1	—	—	1.00E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	3.40E+00	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	—	11-2561	CAMO-11-10698	GELC

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

Location	Port Name	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	Single	689	02/28/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	180	—	—	2.40E+00	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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	Single	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	Single	689	08/10/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.136	—	—	1.50E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0959	—	—	1.50E-02	mg/L	—	U	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.078	—	—	1.50E-02	mg/L	—	U	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.078	—	—	1.50E-02	mg/L	—	U	11-531	CAMO-11-1254	GELC
MCOI-5	Single	689	07/07/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.072	—	—	1.50E-02	mg/L	—	U	10-3605	CAMO-10-22834	GELC
MCOI-5	Single	689	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.8	—	—	1.00E+00	µg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15	—	—	1.00E+00	µg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	µg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13	—	—	1.00E+00	µg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.4	—	—	1.00E+00	µg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	µg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18	—	—	1.00E+00	µg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	Single	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.6	—	—	1.00E+00	µg/L	—	—	11-531	CAMO-11-1253	GELC
MCOI-5	Single	689	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.5	—	—	1.50E+01	µg/L	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.6	—	—	1.50E+01	µg/L	J	J	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.2	—	—	1.50E+01	µg/L	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	µg/L	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.1	—	—	1.50E+01	µg/L	J	J	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.7	—	—	1.50E+01	µg/L	J	J	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.3	—	—	1.50E+01	µg/L	J	J	11-531	CAMO-11-1254	GELC
MCOI-5	Single	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.50E+01	µg/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	Single	689	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.59	—	—	2.00E+00	µg/L	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.87	—	—	2.00E+00	µg/L	J	J	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.03	—	—	2.00E+00	µg/L	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.19	—	—	2.00E+00	µg/L	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.87	—	—	2.00E+00	µg/L	J	J	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.32	—	—	2.00E+00	µg/L	J	J	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.65	—	—	2.50E+00	µg/L	J	J	11-531	CAMO-11-1254	GELC
MCOI-5	Single	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.1	—	—	2.50E+00	µg/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	Single	689	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.54	—	—	1.70E-01	µg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.70E-01	µg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	1.70E-01	µg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.27	—	—	1.70E-01	µg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.70E-01	µg/L	—	J	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	1.70E-01	µg/L	—	J	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.41	—	—	1.00E-01	µg/L	—	J	11-531	CAMO-11-1254	GELC
MCOI-5	Single	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.61	—	—	1.00E-01	µg/L	—	J	11-531	CAMO-11-1253	GELC
MCOI-5	Single	689	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.775	—	—	5.00E-01	µg/L	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.941	—	—	5.00E-01	µg/L	J	J	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.701	—	—	5.00E-01	µg/L	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.782	—	—	5.00E-01	µg/L	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2.29	—	—	5.00E-01	µg/L	—	U	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.999	—	—	5.00E-01	µg/L	J	U	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.06	—	—	5.00E-01	µg/L	J	J	11-531	CAMO-11-1254	GELC
MCOI-5	Single	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.26	—	—	5.00E-01	µg/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	Single	689	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70	—	—	5.30E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.7	—	—	5.30E-02	mg/L	—	—	11-2561	CAMO-11-10698	GELC

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

Location	Port Name	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	Single	689	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.2	—	—	5.30E-02	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	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
MCOI-5	Single	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	Single	689	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	82.4	—	—	1.00E+00	µg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	81.6	—	—	1.00E+00	µg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.5	—	—	1.00E+00	µg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	73.8	—	—	1.00E+00	µg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	80.4	—	—	1.00E+00	µg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.2	—	—	1.00E+00	µg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	95.4	—	—	1.00E+00	µg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	Single	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	97.3	—	—	1.00E+00	µg/L	—	—	11-531	CAMO-11-1253	GELC
MCOI-5	Single	689	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.34	—	—	1.00E+00	µg/L	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	Single	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.51	—	—	1.00E+00	µg/L	J	J	11-3146	CAMO-11-24627	GELC
MCOI-5	Single	689	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.18	—	—	1.00E+00	µg/L	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	Single	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.65	—	—	1.00E+00	µg/L	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	Single	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.67	—	—	1.00E+00	µg/L	J	J	11-1478	CAMO-11-4590	GELC
MCOI-5	Single	689	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.7	—	—	1.00E+00	µg/L	J	J	11-1478	CAMO-11-4591	GELC
MCOI-5	Single	689	11/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.68	—	—	1.00E+00	µg/L	J	J	11-531	CAMO-11-1254	GELC
MCOI-5	Single	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.77	—	—	1.00E+00	µg/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	97.1	—	—	7.30E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.5	—	—	7.30E-01	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0267	—	—	1.60E-02	mg/L	J	J	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.036	—	—	1.60E-02	mg/L	J	J-	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.633	—	—	6.60E-02	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.674	—	—	6.60E-02	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.657	—	—	6.60E-02	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	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
MCOI-6	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.5	—	—	5.00E-02	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	73.3	—	—	5.00E-02	mg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	73	—	—	5.00E-02	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.6	—	—	5.00E-02	mg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.8	—	—	5.00E-02	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.9	—	—	5.00E-02	mg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	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	Single	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	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	60.1	—	—	3.30E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	62.9	—	—	3.30E-01	mg/L	—	J+	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	56.3	—	—	6.60E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.528	—	—	3.30E-02	mg/L	—	—	11-3152	CAMO-11-24631	GELC

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

Location	Port Name	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	Single	686	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.562	—	—	3.30E-02	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.528	—	—	3.30E-02	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	233	—	—	4.50E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	243	—	—	4.50E-01	mg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	242	—	—	4.50E-01	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	234	—	—	4.50E-01	mg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	238	—	—	4.50E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	241	—	—	4.50E-01	mg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	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	Single	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	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.9	—	—	1.10E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.6	—	—	1.10E-01	mg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.6	—	—	1.10E-01	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.1	—	—	1.10E-01	mg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.8	—	—	1.10E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15	—	—	1.10E-01	mg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	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	Single	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	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.4	—	—	1.00E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	7.67	—	—	1.00E-01	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.4	—	—	2.50E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	71.2	—	—	5.00E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	72.2	—	—	5.00E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	71.7	—	—	1.00E+01	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	75.7	—	—	1.00E+01	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	81.4	—	—	1.00E+01	µg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.23	—	—	1.00E-02	SU	H	J-	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.74	—	—	1.00E-02	SU	H	J-	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.34	—	—	1.00E-02	SU	H	J-	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.891	—	—	5.00E-02	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.851	—	—	5.00E-02	mg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.07	—	—	5.00E-02	mg/L	—	J	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.07	—	—	5.00E-02	mg/L	—	J	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.99	—	—	5.00E-02	mg/L	—	J	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.973	—	—	5.00E-02	mg/L	—	J	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	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	Single	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	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.9	—	—	1.00E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC

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

Location	Port Name	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	Single	686	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.1	—	—	1.00E-01	mg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.6	—	—	1.00E-01	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.6	—	—	1.00E-01	mg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.1	—	—	1.00E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.7	—	—	1.00E-01	mg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	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	Single	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	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	609	—	—	1.00E+00	µS/cm	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	611	—	—	1.00E+00	µS/cm	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	614	—	—	1.00E+00	µS/cm	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	618	—	—	1.00E+00	µS/cm	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	608	—	—	1.00E+00	µS/cm	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	77.6	—	—	1.00E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	70.2	—	—	5.00E-01	mg/L	—	J+	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	67.2	—	—	1.00E+00	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	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	Single	686	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	66.4	—	—	1.00E+00	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	423	—	—	3.40E+00	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	410	—	—	2.40E+00	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	463	—	—	2.40E+00	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	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	Single	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	Single	686	08/10/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.978	—	—	3.30E-01	mg/L	J	J	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.44	—	—	3.30E-01	mg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.17	—	—	3.30E-01	mg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.139	—	—	1.50E-02	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0888	—	—	1.50E-02	mg/L	—	U	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.034	—	—	1.50E-02	mg/L	J	J	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	45.8	—	—	1.00E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.4	—	—	1.00E+00	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	46.6	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	45.6	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	46.8	—	—	1.00E+00	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.7	—	—	1.00E+00	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48	—	—	1.00E+00	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	45.2	—	—	1.00E+00	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44	—	—	1.00E+00	µg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.8	—	—	1.00E+00	µg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	48.8	—	—	1.50E+01	µg/L	J	J	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	51.5	—	—	1.50E+01	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	48.7	—	—	1.50E+01	µg/L	J	J	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	55.4	—	—	1.50E+01	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	44.7	—	—	1.50E+01	µg/L	J	J	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	45.9	—	—	1.50E+01	µg/L	J	J	11-1318	CAMO-11-4592	GELC

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

Location	Port Name	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	Single	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	47.4	—	—	1.50E+01	µg/L	J	J	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.5	—	—	1.50E+01	µg/L	J	J	11-471	CAMO-11-1256	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	42.9	—	—	1.50E+01	µg/L	J	J	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	42.3	—	—	1.50E+01	µg/L	J	J	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	55.1	—	—	2.00E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	58.8	—	—	2.00E+00	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	54.2	—	—	2.00E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	56.7	—	—	2.00E+00	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	49.6	—	—	2.00E+00	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	54.2	—	—	2.00E+00	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	65.5	—	—	2.50E+00	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	64.5	—	—	2.50E+00	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	55.6	—	—	2.50E+00	µg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	51.8	—	—	2.50E+00	µg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13.4	—	—	3.00E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	18.1	—	—	3.00E+00	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	16.2	—	—	3.00E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	18.7	—	—	3.00E+00	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13.4	—	—	3.00E+00	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	16.2	—	—	3.00E+00	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13	—	—	3.00E+00	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.2	—	—	3.00E+00	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	14.5	—	—	3.00E+00	µg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	13.7	—	—	3.00E+00	µg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	40.8	—	—	3.00E+01	µg/L	J	J	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	35.7	—	—	3.00E+01	µg/L	J	J	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	71.7	—	—	3.00E+01	µg/L	J	J	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	42.7	—	—	3.00E+01	µg/L	J	U	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	53.3	—	—	3.00E+01	µg/L	J	U	11-471	CAMO-11-1256	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.64	—	—	2.00E+00	µg/L	J	J	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.78	—	—	2.00E+00	µg/L	J	J	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.81	—	—	2.00E+00	µg/L	J	J	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.74	—	—	2.00E+00	µg/L	J	J	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.67	—	—	2.00E+00	µg/L	J	J	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.03	—	—	2.00E+00	µg/L	J	J	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.76	—	—	2.00E+00	µg/L	J	J	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.94	—	—	2.00E+00	µg/L	J	J	11-471	CAMO-11-1256	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.12	—	—	2.00E+00	µg/L	J	J	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.8	—	—	2.00E+00	µg/L	J	J	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.70E-01	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.70E-01	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.70E-01	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.70E-01	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.5	—	—	1.70E-01	µg/L	—	U	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.57	—	—	1.70E-01	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.43	—	—	1.00E-01	µg/L	—	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 Name	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	Single	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.24	—	—	1.00E-01	µg/L	—	U	11-471	CAMO-11-1256	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.00E-01	µg/L	—	J	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.99	—	—	1.00E-01	µg/L	—	J	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	29.2	—	—	5.00E-01	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	36	—	—	5.00E-01	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	32.5	—	—	5.00E-01	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	31.9	—	—	5.00E-01	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	27.9	—	—	5.00E-01	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	29.1	—	—	5.00E-01	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	34.4	—	—	5.00E-01	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	29.6	—	—	5.00E-01	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	20.8	—	—	5.00E-01	µg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.7	—	—	5.00E-01	µg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.1	—	—	2.70E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	5.30E-02	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.8	—	—	5.30E-02	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	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	Single	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	Single	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	310	—	—	1.00E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	325	—	—	1.00E+00	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	308	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	326	—	—	1.00E+00	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	334	—	—	1.00E+00	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	322	—	—	1.00E+00	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	302	—	—	1.00E+00	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	315	—	—	1.00E+00	µg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	314	—	—	1.00E+00	µg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	6.70E-02	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	6.70E-02	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.34	—	—	6.70E-02	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	6.70E-02	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	6.70E-02	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	6.70E-02	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.53	—	—	5.00E-02	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.41	—	—	5.00E-02	µg/L	—	J	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	µg/L	—	J	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	27.5	—	—	3.30E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	30.3	—	—	3.30E+00	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	35.1	—	—	3.30E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	35.3	—	—	3.30E+00	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	Single	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	34.1	—	—	3.30E+00	µg/L	—	J	11-1318	CAMO-11-4593	GELC
MCOI-6	Single	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	36	—	—	3.30E+00	µg/L	—	J	11-1318	CAMO-11-4592	GELC
MCOI-6	Single	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	33.7	—	—	3.30E+00	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	Single	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.2	—	—	3.30E+00	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	Single	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	25.9	—	—	3.30E+00	µg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	Single	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.3	—	—	3.30E+00	µg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	08/10/11	WG	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	0.32	—	—	2.50E-01	µg/L	J	J	11-3152	CAMO-11-24630	GELC
MCOI-6	Single	686	05/31/11	WG	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	0.3	—	—	2.50E-01	µg/L	J	J	11-2587	CAMO-11-10700	GELC

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

Location	Port Name	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	Single	686	07/06/10	WG	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	0.27	—	—	2.50E-01	µg/L	J	J	10-3589	CAMO-10-22837	GELC
MCOI-6	Single	686	01/26/10	WG	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	0.285	—	—	2.50E-01	µg/L	J	J	10-1441	CAMO-10-9319	GELC
MCOI-6	Single	686	08/19/09	WG	UF	CS	—	VOA	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	µg/L	U	U	09-2968	CAMO-09-9533	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.9	—	—	7.30E-01	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.7	—	—	7.30E-01	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.5	—	—	7.30E-01	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	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	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	5.00E-02	mg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	Single	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	Single	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	Single	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	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.9	—	—	6.60E-02	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.99	—	—	6.60E-02	mg/L	—	J+	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.77	—	—	6.60E-02	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	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	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.164	—	—	3.30E-02	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.194	—	—	3.30E-02	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.16	—	—	3.30E-02	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	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	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.5	—	—	4.50E-01	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.7	—	—	4.50E-01	mg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	4.50E-01	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.3	—	—	4.50E-01	mg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	4.50E-01	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.9	—	—	4.50E-01	mg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	Single	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	Single	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	Single	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	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.19	—	—	1.10E-01	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	1.10E-01	mg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.96	—	—	1.10E-01	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	1.10E-01	mg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	1.10E-01	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.91	—	—	1.10E-01	mg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	Single	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	Single	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	Single	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	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.316	—	—	5.00E-02	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.375	—	—	5.00E-02	mg/L	—	J+	11-2615	CAMO-11-10748	GELC

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

Location	Port Name	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	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.311	—	—	5.00E-02	mg/L	—	J-	11-1348	CAMO-11-4638	GELC
R-1	Single	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
R-1	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.334	—	—	5.00E-02	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.386	—	—	5.00E-02	µg/L	—	J	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.368	—	—	5.00E-02	µg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.34	—	—	5.00E-02	µg/L	—	J	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.364	—	—	5.00E-02	µg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.41	—	—	1.00E-02	SU	H	J-	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	11-1348	CAMO-11-4638	GELC
R-1	Single	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	Single	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.8	—	—	5.00E-02	mg/L	—	J	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.72	—	—	5.00E-02	mg/L	—	J	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	J	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.85	—	—	5.00E-02	mg/L	—	J	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	Single	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	Single	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	Single	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	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	1.00E-01	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	Single	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	Single	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	Single	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	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	µS/cm	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	142	—	—	1.00E+00	µS/cm	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.26	—	—	1.00E-01	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.5	—	—	1.00E-01	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.47	—	—	1.00E-01	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	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	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	3.40E+00	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	139	—	—	2.40E+00	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	2.40E+00	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	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	Single	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	Single	1031.1	08/02/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.495	—	—	3.30E-01	mg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.412	—	—	3.30E-01	mg/L	J	J	11-2615	CAMO-11-10747	GELC

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

Location	Port Name	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	Single	1031.1	02/14/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.449	—	—	3.30E-01	mg/L	J	J	11-1348	CAMO-11-4636	GELC
R-1	Single	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	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.257	—	—	1.50E-02	mg/L	—	J	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0337	—	—	1.50E-02	mg/L	J	U	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.04	—	—	1.50E-02	mg/L	J	J	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.046	—	—	1.50E-02	mg/L	J	U	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.075	—	—	1.50E-02	mg/L	—	U	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	1.45	—	—	1.00E+00	µg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	1.00E+00	µg/L	U	U	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	1.05	—	—	1.00E+00	µg/L	J	J	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	1.00E+00	µg/L	U	U	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	1.00E+00	µg/L	U	U	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	µg/L	U	U	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	µg/L	U	U	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	µg/L	U	U	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	µg/L	U	U	10-3684	CAMO-10-22844	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.4	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.1	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.6	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.4	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.2	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.6	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.3	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.4	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	µg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	µg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.75	—	—	2.00E+00	µg/L	J	J	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.71	—	—	2.00E+00	µg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.37	—	—	2.00E+00	µg/L	J	J	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.83	—	—	2.00E+00	µg/L	J	J	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.9	—	—	2.00E+00	µg/L	J	J	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.72	—	—	2.00E+00	µg/L	J	J	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.69	—	—	2.50E+00	µg/L	J	J	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.83	—	—	2.50E+00	µg/L	J	J	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.72	—	—	2.50E+00	µg/L	J	J	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.66	—	—	2.50E+00	µg/L	J	J	10-3684	CAMO-10-22844	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.51	—	—	3.00E+00	µg/L	J	J	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	8.61	—	—	3.00E+00	µg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.16	—	—	3.00E+00	µg/L	J	J	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.66	—	—	3.00E+00	µg/L	J	J	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.19	—	—	3.00E+00	µg/L	J	J	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	10-3684	CAMO-10-22844	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	45.3	—	—	3.00E+01	µg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	38.6	—	—	3.00E+01	µg/L	J	J	11-2615	CAMO-11-10747	GELC

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

Location	Port Name	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	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-3684	CAMO-10-22844	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.34	—	—	5.00E-01	µg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.01	—	—	5.00E-01	µg/L	J	J	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-3684	CAMO-10-22844	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.89	—	—	2.00E+00	µg/L	J	J	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.44	—	—	2.00E+00	µg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.98	—	—	2.00E+00	µg/L	J	J	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.82	—	—	2.00E+00	µg/L	J	J	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	10-3684	CAMO-10-22844	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	8.19	—	—	5.00E-01	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.52	—	—	5.00E-01	µg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.12	—	—	5.00E-01	µg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	10.2	—	—	5.00E-01	µg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	8.41	—	—	5.00E-01	µg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.19	—	—	5.00E-01	µg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	12.9	—	—	5.00E-01	µg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	13.2	—	—	5.00E-01	µg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.88	—	—	5.00E-01	µg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	10.1	—	—	5.00E-01	µg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.9	—	—	5.30E-02	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.3	—	—	5.30E-02	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.7	—	—	5.30E-02	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	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	Single	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	Single	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.1	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.3	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.6	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.6	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.8	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.1	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.2	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.7	—	—	1.00E+00	µg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.6	—	—	1.00E+00	µg/L	—	—	10-3684	CAMO-10-22844	GELC

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

Location	Port Name	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	Single	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.487	—	—	6.70E-02	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.518	—	—	6.70E-02	µg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.633	—	—	6.70E-02	µg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.686	—	—	6.70E-02	µg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.872	—	—	6.70E-02	µg/L	N	J+	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.876	—	—	6.70E-02	µg/L	N	J+	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.14	—	—	5.00E-02	µg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.09	—	—	5.00E-02	µg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.967	—	—	5.00E-02	µg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.997	—	—	5.00E-02	µg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.57	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.19	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.36	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.74	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.98	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.94	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.05	—	—	1.00E+00	µg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.25	—	—	1.00E+00	µg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	Single	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	22.7	—	—	3.30E+00	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	Single	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.8	—	—	3.30E+00	µg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	Single	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	13.8	—	—	3.30E+00	µg/L	—	U	11-2615	CAMO-11-10748	GELC
R-1	Single	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	15.3	—	—	3.30E+00	µg/L	—	U	11-2615	CAMO-11-10747	GELC
R-1	Single	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-1348	CAMO-11-4638	GELC
R-1	Single	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.07	—	—	3.30E+00	µg/L	J	J	11-1348	CAMO-11-4636	GELC
R-1	Single	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-499	CAMO-11-1260	GELC
R-1	Single	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-499	CAMO-11-1262	GELC
R-1	Single	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	10-3684	CAMO-10-22843	GELC
R-1	Single	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.12	—	—	3.30E+00	µg/L	J	J	10-3684	CAMO-10-22844	GELC
R-13	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.2	—	—	7.30E-01	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.4	—	—	7.30E-01	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59	—	—	7.30E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	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	Single	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	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.6	—	—	5.00E-02	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	Single	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	Single	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	Single	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	Single	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	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.33	—	—	6.60E-02	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.3	—	—	6.60E-02	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.27	—	—	6.60E-02	mg/L	—	J	11-1406	CAMO-11-4594	GELC
R-13	Single	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	Single	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

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

Location	Port Name	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	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.274	—	—	3.30E-02	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.32	—	—	3.30E-02	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.252	—	—	3.30E-02	mg/L	—	J-	11-1406	CAMO-11-4594	GELC
R-13	Single	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	Single	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	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.6	—	—	4.50E-01	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.2	—	—	4.50E-01	mg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51	—	—	4.50E-01	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.3	—	—	4.50E-01	mg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48	—	—	4.50E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	02/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.3	—	—	4.50E-01	mg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	Single	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	Single	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	Single	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	Single	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	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.39	—	—	1.10E-01	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.41	—	—	1.10E-01	mg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.59	—	—	1.10E-01	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.21	—	—	1.10E-01	mg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	1.10E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	1.10E-01	mg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	Single	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	Single	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	Single	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	Single	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	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.053	—	—	1.00E-02	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.73	—	—	5.00E-02	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.813	—	—	1.00E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	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	Single	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.76	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.404	—	—	5.00E-02	µg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.426	—	—	5.00E-02	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.416	—	—	5.00E-02	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	11/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.412	—	—	5.00E-02	µg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	Single	958.3	07/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.439	—	—	5.00E-02	µg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.28	—	—	1.00E-02	SU	H	J-	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	11-1406	CAMO-11-4594	GELC
R-13	Single	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	Single	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	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.18	—	—	5.00E-02	mg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	Single	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	Single	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	Single	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	Single	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

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

Location	Port Name	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	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10	—	—	1.00E-01	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.87	—	—	1.00E-01	mg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.33	—	—	1.00E-01	mg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.9	—	—	1.00E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.99	—	—	1.00E-01	mg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	Single	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	Single	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	Single	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	Single	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	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	µS/cm	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	µS/cm	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	11-451	CAMO-11-1270	GELC
R-13	Single	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	10-3667	CAMO-10-22846	GELC
R-13	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.98	—	—	1.00E-01	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.93	—	—	1.00E-01	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.11	—	—	1.00E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	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	Single	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	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	131	—	—	3.40E+00	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	137	—	—	2.40E+00	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	131	—	—	2.40E+00	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	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	Single	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	Single	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.171	—	—	1.50E-02	mg/L	—	J	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.113	—	—	1.50E-02	mg/L	—	U	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.02	—	—	1.50E-02	mg/L	J	U	11-1406	CAMO-11-4594	GELC
R-13	Single	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	Single	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	Single	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	µg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.7	—	—	1.00E+00	µg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.4	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.1	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.9	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	Single	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.2	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	Single	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	Single	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	µg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	Single	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.7	—	—	1.00E+00	µg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	Single	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.24	—	—	2.00E+00	µg/L	J	J	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.26	—	—	2.00E+00	µg/L	J	J	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.62	—	—	2.00E+00	µg/L	J	J	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.54	—	—	2.00E+00	µg/L	J	J	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.33	—	—	2.00E+00	µg/L	J	J	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.72	—	—	2.00E+00	µg/L	J	J	11-1406	CAMO-11-4595	GELC
R-13	Single	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.07	—	—	2.50E+00	µg/L	J	J	11-451	CAMO-11-1270	GELC
R-13	Single	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.29	—	—	2.50E+00	µg/L	J	J	11-451	CAMO-11-1269	GELC
R-13	Single	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.54	—	—	2.50E+00	µg/L	J	J	10-3667	CAMO-10-22846	GELC
R-13	Single	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.17	—	—	2.50E+00	µg/L	J	J	10-3667	CAMO-10-22848	GELC

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

Location	Port Name	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	Single	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.939	—	—	1.70E-01	µg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.95	—	—	1.70E-01	µg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.70E-01	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.70E-01	µg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.70E-01	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.05	—	—	1.70E-01	µg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	Single	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.36	—	—	1.00E-01	µg/L	—	U	11-451	CAMO-11-1270	GELC
R-13	Single	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.37	—	—	1.00E-01	µg/L	—	U	11-451	CAMO-11-1269	GELC
R-13	Single	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.966	—	—	1.00E-01	µg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	Single	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	µg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	Single	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.809	—	—	5.00E-01	µg/L	J	J	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.87	—	—	5.00E-01	µg/L	J	J	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.896	—	—	5.00E-01	µg/L	J	J	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.929	—	—	5.00E-01	µg/L	J	J	11-1406	CAMO-11-4595	GELC
R-13	Single	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-451	CAMO-11-1270	GELC
R-13	Single	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-451	CAMO-11-1269	GELC
R-13	Single	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.572	—	—	5.00E-01	µg/L	J	J	10-3667	CAMO-10-22846	GELC
R-13	Single	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	10-3667	CAMO-10-22848	GELC
R-13	Single	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.6	—	—	5.30E-02	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.2	—	—	5.30E-02	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.8	—	—	5.30E-02	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	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	Single	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	Single	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.8	—	—	1.00E+00	µg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.2	—	—	1.00E+00	µg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.6	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.1	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.5	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.1	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	Single	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.2	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	Single	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	Single	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.7	—	—	1.00E+00	µg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	Single	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.4	—	—	1.00E+00	µg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	Single	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.436	—	—	6.70E-02	µg/L	—	J	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.46	—	—	6.70E-02	µg/L	—	J	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.398	—	—	6.70E-02	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.405	—	—	6.70E-02	µg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.405	—	—	6.70E-02	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	Single	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.4	—	—	6.70E-02	µg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	Single	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.441	—	—	5.00E-02	µg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	Single	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.46	—	—	5.00E-02	µg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	Single	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.422	—	—	5.00E-02	µg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	Single	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	5.00E-02	µg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	Single	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.11	—	—	1.00E+00	µg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	Single	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.88	—	—	1.00E+00	µg/L	J	J	11-2987	CAMO-11-24633	GELC
R-13	Single	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.29	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	Single	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	Single	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.14	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4594	GELC

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

Location	Port Name	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	Single	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.23	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	Single	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.87	—	—	1.00E+00	µg/L	J	J	11-451	CAMO-11-1270	GELC
R-13	Single	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.77	—	—	1.00E+00	µg/L	J	J	11-451	CAMO-11-1269	GELC
R-13	Single	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.83	—	—	1.00E+00	µg/L	J	J	10-3667	CAMO-10-22846	GELC
R-13	Single	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.91	—	—	1.00E+00	µg/L	J	J	10-3667	CAMO-10-22848	GELC
R-14	Single	1200.6	08/03/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.7	—	—	7.30E-01	mg/L	—	—	11-3027	CAMO-11-24654	GELC
R-14	Single	1200.6	05/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58	—	—	7.30E-01	mg/L	—	—	11-2454	CAMO-11-10728	GELC
R-14	Single	1200.6	02/22/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58	—	—	7.30E-01	mg/L	—	—	11-1413	CAMO-11-4620	GELC
R-14	Single	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	Single	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	Single	1200.6	08/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.65	—	—	6.60E-02	mg/L	—	—	11-3027	CAMO-11-24654	GELC
R-14	Single	1200.6	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.64	—	—	6.60E-02	mg/L	—	—	11-2454	CAMO-11-10728	GELC
R-14	Single	1200.6	02/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.65	—	—	6.60E-02	mg/L	—	J	11-1413	CAMO-11-4620	GELC
R-14	Single	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	Single	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	Single	1200.6	08/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.161	—	—	3.30E-02	mg/L	—	—	11-3027	CAMO-11-24654	GELC
R-14	Single	1200.6	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.192	—	—	3.30E-02	mg/L	—	—	11-2454	CAMO-11-10728	GELC
R-14	Single	1200.6	02/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.166	—	—	3.30E-02	mg/L	—	J-	11-1413	CAMO-11-4620	GELC
R-14	Single	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	Single	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	Single	1200.6	08/03/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.321	—	—	5.00E-02	µg/L	—	—	11-3027	CAMO-11-24654	GELC
R-14	Single	1200.6	05/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.33	—	—	5.00E-02	µg/L	—	—	11-2454	CAMO-11-10728	GELC
R-14	Single	1200.6	02/22/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.321	—	—	5.00E-02	µg/L	—	—	11-1413	CAMO-11-4620	GELC
R-14	Single	1200.6	11/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.309	—	—	5.00E-02	µg/L	—	—	11-507	CAMO-11-1264	GELC
R-14	Single	1200.6	07/01/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.315	—	—	5.00E-02	µg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	Single	1200.6	08/03/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.12	—	—	1.00E-02	SU	H	J-	11-3027	CAMO-11-24654	GELC
R-14	Single	1200.6	05/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.96	—	—	1.00E-02	SU	H	J-	11-2454	CAMO-11-10728	GELC
R-14	Single	1200.6	02/22/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	11-1413	CAMO-11-4620	GELC
R-14	Single	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	Single	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	Single	1200.6	08/03/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	123	—	—	1.00E+00	µS/cm	—	—	11-3027	CAMO-11-24654	GELC
R-14	Single	1200.6	05/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1.00E+00	µS/cm	—	—	11-2454	CAMO-11-10728	GELC
R-14	Single	1200.6	02/22/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	125	—	—	1.00E+00	µS/cm	—	—	11-1413	CAMO-11-4620	GELC
R-14	Single	1200.6	11/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	126	—	—	1.00E+00	µS/cm	—	—	11-507	CAMO-11-1264	GELC
R-14	Single	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	129	—	—	1.00E+00	µS/cm	—	—	10-3544	CAMO-10-22850	GELC
R-14	Single	1200.6	08/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.81	—	—	1.00E-01	mg/L	—	J+	11-3027	CAMO-11-24654	GELC
R-14	Single	1200.6	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.9	—	—	1.00E-01	mg/L	—	—	11-2454	CAMO-11-10728	GELC
R-14	Single	1200.6	02/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.93	—	—	1.00E-01	mg/L	—	—	11-1413	CAMO-11-4620	GELC
R-14	Single	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	Single	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	Single	1200.6	08/03/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	3.40E+00	mg/L	—	—	11-3027	CAMO-11-24654	GELC
R-14	Single	1200.6	05/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	11-2454	CAMO-11-10728	GELC
R-14	Single	1200.6	02/22/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	—	11-1413	CAMO-11-4620	GELC
R-14	Single	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	Single	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	Single	1200.6	08/03/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.266	—	—	1.50E-02	mg/L	—	J	11-3027	CAMO-11-24654	GELC
R-14	Single	1200.6	05/18/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.122	—	—	1.50E-02	mg/L	—	U	11-2454	CAMO-11-10728	GELC
R-14	Single	1200.6	02/22/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.052	—	—	1.50E-02	mg/L	—	U	11-1413	CAMO-11-4620	GELC
R-14	Single	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	Single	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

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

Location	Port Name	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	Single	1200.6	08/03/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	83.8	—	—	5.30E-02	mg/L	—	—	11-3027	CAMO-11-24654	GELC
R-14	Single	1200.6	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.7	—	—	5.30E-02	mg/L	—	—	11-2454	CAMO-11-10728	GELC
R-14	Single	1200.6	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	84.7	—	—	5.30E-02	mg/L	—	—	11-1413	CAMO-11-4620	GELC
R-14	Single	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	Single	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	Single	1200.6	08/03/11	WG	UF	CS	FB	SVOA	SW-846:8270C	Benzo(a)pyrene	—	0.34	—	—	3.10E-01	µg/L	J	J	11-3026	CAMO-11-24655	GELC
R-14	Single	1200.6	05/18/11	WG	UF	CS	—	SVOA	SW-846:8270C	Benzo(a)pyrene	<	1.05	—	—	2.10E-01	µg/L	U	U	11-2454	CAMO-11-10729	GELC
R-14	Single	1200.6	07/01/10	WG	UF	CS	—	SVOA	SW-846:8270C	Benzo(a)pyrene	<	1	—	—	2.00E-01	µg/L	U	U	10-3543	CAMO-10-22851	GELC
R-14	Single	1200.6	02/03/10	WG	UF	CS	—	SVOA	SW-846:8270C	Benzo(a)pyrene	<	1.08	—	—	2.20E-01	µg/L	U	U	10-1614	CAMO-10-9333	GELC
R-14	Single	1200.6	11/04/09	WG	UF	CS	—	SVOA	SW-846:8270C	Benzo(a)pyrene	<	1.09	—	—	2.20E-01	µg/L	U	U	10-369	CAMO-10-3215	GELC
R-14	Single	1200.6	08/03/11	WG	UF	CS	FB	SVOA	SW-846:8270C	Benzo(g,h,i)perylene	—	0.381	—	—	3.10E-01	µg/L	J	J	11-3026	CAMO-11-24655	GELC
R-14	Single	1200.6	05/18/11	WG	UF	CS	—	SVOA	SW-846:8270C	Benzo(g,h,i)perylene	<	1.05	—	—	2.10E-01	µg/L	U	U	11-2454	CAMO-11-10729	GELC
R-14	Single	1200.6	07/01/10	WG	UF	CS	—	SVOA	SW-846:8270C	Benzo(g,h,i)perylene	<	1	—	—	2.00E-01	µg/L	U	U	10-3543	CAMO-10-22851	GELC
R-14	Single	1200.6	02/03/10	WG	UF	CS	—	SVOA	SW-846:8270C	Benzo(g,h,i)perylene	<	1.08	—	—	2.20E-01	µg/L	U	U	10-1614	CAMO-10-9333	GELC
R-14	Single	1200.6	11/04/09	WG	UF	CS	—	SVOA	SW-846:8270C	Benzo(g,h,i)perylene	<	1.09	—	—	2.20E-01	µg/L	U	UJ	10-369	CAMO-10-3215	GELC
R-14	Single	1200.6	08/03/11	WG	UF	CS	FB	SVOA	SW-846:8270C	Dibenz(a,h)anthracene	—	0.392	—	—	3.10E-01	µg/L	J	J	11-3026	CAMO-11-24655	GELC
R-14	Single	1200.6	05/18/11	WG	UF	CS	—	SVOA	SW-846:8270C	Dibenz(a,h)anthracene	<	1.05	—	—	2.10E-01	µg/L	U	U	11-2454	CAMO-11-10729	GELC
R-14	Single	1200.6	07/01/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dibenz(a,h)anthracene	<	1	—	—	2.00E-01	µg/L	U	U	10-3543	CAMO-10-22851	GELC
R-14	Single	1200.6	02/03/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dibenz(a,h)anthracene	<	1.08	—	—	2.20E-01	µg/L	U	U	10-1614	CAMO-10-9333	GELC
R-14	Single	1200.6	11/04/09	WG	UF	CS	—	SVOA	SW-846:8270C	Dibenz(a,h)anthracene	<	1.09	—	—	2.20E-01	µg/L	U	U	10-369	CAMO-10-3215	GELC
R-14	Single	1200.6	08/03/11	WG	UF	CS	FB	SVOA	SW-846:8270C	Diethylphthalate	—	7.08	—	—	3.10E+00	µg/L	J	J	11-3026	CAMO-11-24655	GELC
R-14	Single	1200.6	05/18/11	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10.5	—	—	2.10E+00	µg/L	U	U	11-2454	CAMO-11-10729	GELC
R-14	Single	1200.6	07/01/10	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10	—	—	2.00E+00	µg/L	U	U	10-3543	CAMO-10-22851	GELC
R-14	Single	1200.6	02/03/10	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10.8	—	—	2.20E+00	µg/L	U	U	10-1614	CAMO-10-9333	GELC
R-14	Single	1200.6	11/04/09	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10.9	—	—	2.20E+00	µg/L	U	U	10-369	CAMO-10-3215	GELC
R-14	Single	1200.6	08/03/11	WG	UF	CS	FB	SVOA	SW-846:8270C	Indeno(1,2,3-cd)pyrene	—	0.34	—	—	3.10E-01	µg/L	J	J	11-3026	CAMO-11-24655	GELC
R-14	Single	1200.6	05/18/11	WG	UF	CS	—	SVOA	SW-846:8270C	Indeno(1,2,3-cd)pyrene	<	1.05	—	—	2.10E-01	µg/L	U	U	11-2454	CAMO-11-10729	GELC
R-14	Single	1200.6	07/01/10	WG	UF	CS	—	SVOA	SW-846:8270C	Indeno(1,2,3-cd)pyrene	<	1	—	—	2.00E-01	µg/L	U	U	10-3543	CAMO-10-22851	GELC
R-14	Single	1200.6	02/03/10	WG	UF	CS	—	SVOA	SW-846:8270C	Indeno(1,2,3-cd)pyrene	<	1.08	—	—	2.20E-01	µg/L	U	U	10-1614	CAMO-10-9333	GELC
R-14	Single	1200.6	11/04/09	WG	UF	CS	—	SVOA	SW-846:8270C	Indeno(1,2,3-cd)pyrene	<	1.09	—	—	2.20E-01	µg/L	U	U	10-369	CAMO-10-3215	GELC
R-15	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.06	—	—	7.30E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	56.4	—	—	7.30E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.9	—	—	7.30E-01	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.5	—	—	7.30E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0204	—	—	1.60E-02	mg/L	J	J	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.024	—	—	1.60E-02	mg/L	J	U	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.046	—	—	1.60E-02	mg/L	J	J-	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0811	—	—	6.60E-02	mg/L	J	J	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.114	—	—	6.60E-02	mg/L	J	J	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0813	—	—	6.60E-02	mg/L	J	J-	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-3698	CAMO-10-22856	GELC

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

Location	Port Name	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.2	—	—	5.00E-02	mg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	Single	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	Single	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	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.13	—	—	6.60E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.35	—	—	6.60E-02	mg/L	—	J+	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.47	—	—	6.60E-02	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.172	—	—	3.30E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.198	—	—	3.30E-02	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.199	—	—	3.30E-02	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.4	—	—	4.50E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.2	—	—	4.50E-01	mg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52	—	—	4.50E-01	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.3	—	—	4.50E-01	mg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.5	—	—	4.50E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.5	—	—	4.50E-01	mg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	Single	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	Single	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	Single	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	Single	958.6	07/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.3	—	—	3.50E-01	mg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	1.10E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.89	—	—	1.10E-01	mg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	1.10E-01	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.83	—	—	1.10E-01	mg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	1.10E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	1.10E-01	mg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	Single	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	Single	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	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.78	—	—	1.00E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.77	—	—	5.00E-02	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.91	—	—	1.00E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.86	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.76	—	—	5.00E-01	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.51	—	—	5.00E-01	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	8.06	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.29	—	—	1.00E+00	µg/L	—	—	10-3698	CAMO-10-22856	GELC

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

Location	Port Name	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.54	—	—	1.00E-02	SU	H	J-	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.01	—	—	1.00E-02	SU	H	J-	11-1482	CAMO-11-4596	GELC
R-15	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.84	—	—	5.00E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	—	J	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.91	—	—	5.00E-02	mg/L	—	J	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.8	—	—	5.00E-02	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	Single	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	Single	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	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	Single	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	Single	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	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	156	—	—	1.00E+00	µS/cm	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	156	—	—	1.00E+00	µS/cm	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	149	—	—	1.00E+00	µS/cm	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	157	—	—	1.00E+00	µS/cm	—	—	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	159	—	—	1.00E+00	µS/cm	—	—	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.17	—	—	1.00E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.64	—	—	1.00E-01	mg/L	—	J+	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.04	—	—	1.00E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	154	—	—	3.40E+00	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	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	Single	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	Single	958.6	08/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.474	—	—	3.30E-01	mg/L	J	J	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.553	—	—	3.30E-01	mg/L	J	J	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.478	—	—	3.30E-01	mg/L	J	J	11-1482	CAMO-11-4597	GELC
R-15	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.119	—	—	1.50E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0635	—	—	1.50E-02	mg/L	—	U	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.057	—	—	1.50E-02	mg/L	—	U	11-1482	CAMO-11-4596	GELC
R-15	Single	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	Single	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

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

Location	Port Name	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	Single	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.4	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.5	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.7	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.5	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.1	—	—	1.00E+00	µg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1.00E+00	µg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	Single	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.8	—	—	2.00E+00	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.3	—	—	2.00E+00	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.6	—	—	2.00E+00	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.9	—	—	2.00E+00	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	2.00E+00	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.7	—	—	2.00E+00	µg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	2.50E+00	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.2	—	—	2.50E+00	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12	—	—	2.50E+00	µg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12	—	—	2.50E+00	µg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	255	—	—	3.00E+01	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	212	—	—	3.00E+01	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	31.6	—	—	3.00E+01	µg/L	J	J	11-1482	CAMO-11-4597	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	2440	—	—	3.00E+01	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	155	—	—	3.00E+01	µg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	5.72	—	—	5.00E-01	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	11.4	—	—	5.00E-01	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.13	—	—	5.00E-01	µg/L	J	J	11-1482	CAMO-11-4597	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	39.5	—	—	5.00E-01	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	9.09	—	—	5.00E-01	µg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.13	—	—	2.00E+00	µg/L	J	J	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.78	—	—	2.00E+00	µg/L	J	J	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1482	CAMO-11-4597	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	23.7	—	—	2.00E+00	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.95	—	—	2.00E+00	µg/L	J	J	10-3698	CAMO-10-22857	GELC
R-15	Single	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.70E-01	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.991	—	—	1.70E-01	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.885	—	—	1.70E-01	µg/L	—	—	11-2587	CAMO-11-10714	GELC

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

Location	Port Name	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	Single	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.821	—	—	1.70E-01	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.978	—	—	1.70E-01	µg/L	—	U	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.01	—	—	1.70E-01	µg/L	—	U	11-1482	CAMO-11-4597	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.27	—	—	1.00E-01	µg/L	—	U	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.31	—	—	1.00E-01	µg/L	—	U	11-451	CAMO-11-1268	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.96	—	—	1.00E-01	µg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.947	—	—	1.00E-01	µg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	Single	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.24	—	—	5.00E-01	µg/L	J	J	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.02	—	—	5.00E-01	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.848	—	—	5.00E-01	µg/L	J	J	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.54	—	—	5.00E-01	µg/L	J	J	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1	—	—	5.00E-01	µg/L	J	U	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.92	—	—	5.00E-01	µg/L	J	U	11-1482	CAMO-11-4597	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.922	—	—	5.00E-01	µg/L	J	J	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.79	—	—	5.00E-01	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.843	—	—	5.00E-01	µg/L	J	J	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.23	—	—	5.00E-01	µg/L	J	J	10-3698	CAMO-10-22857	GELC
R-15	Single	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	5.30E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	5.30E-02	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.9	—	—	5.30E-02	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	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	Single	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	Single	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.2	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	67.4	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.6	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.9	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.7	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.7	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	64.1	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.1	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.2	—	—	1.00E+00	µg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.4	—	—	1.00E+00	µg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	Single	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.411	—	—	6.70E-02	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.413	—	—	6.70E-02	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.38	—	—	6.70E-02	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.387	—	—	6.70E-02	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.381	—	—	6.70E-02	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.397	—	—	6.70E-02	µg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.413	—	—	5.00E-02	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.459	—	—	5.00E-02	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	Single	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.456	—	—	5.00E-02	µg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.508	—	—	5.00E-02	µg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	Single	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.42	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	Single	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.57	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	Single	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	Single	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	Single	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.11	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	Single	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.78	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	Single	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.36	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	Single	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.75	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1268	GELC

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

Location	Port Name	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	Single	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.67	—	—	1.00E+00	µg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	Single	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.72	—	—	1.00E+00	µg/L	—	—	10-3698	CAMO-10-22857	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77	—	—	7.30E-01	mg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	76.5	—	—	7.30E-01	mg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.3	—	—	7.30E-01	mg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.1	—	—	7.30E-01	mg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	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	P2A	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	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	21.1	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.5	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	21.1	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.7	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.6	—	—	5.00E-02	mg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.2	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.6	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4641	GELC
R-16	P2A	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	P2A	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	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.59	—	—	6.60E-02	mg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.58	—	—	6.60E-02	mg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.5	—	—	6.60E-02	mg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.61	—	—	6.60E-02	mg/L	—	J+	11-1382	CAMO-11-4643	GELC
R-16	P2A	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	P2A	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	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.343	—	—	3.30E-02	mg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.35	—	—	3.30E-02	mg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.311	—	—	3.30E-02	mg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.349	—	—	3.30E-02	mg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	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	P2A	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	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	60	—	—	4.50E-01	mg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.5	—	—	4.50E-01	mg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	60	—	—	4.50E-01	mg/L	—	—	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59	—	—	4.50E-01	mg/L	—	—	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.6	—	—	4.50E-01	mg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.6	—	—	4.50E-01	mg/L	—	—	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.2	—	—	4.50E-01	mg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.8	—	—	4.50E-01	mg/L	—	—	11-1382	CAMO-11-4641	GELC
R-16	P2A	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	P2A	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	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	1.8	—	—	1.10E-01	mg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.77	—	—	1.10E-01	mg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	1.79	—	—	1.10E-01	mg/L	—	—	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.77	—	—	1.10E-01	mg/L	—	—	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.65	—	—	1.10E-01	mg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.65	—	—	1.10E-01	mg/L	—	—	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.67	—	—	1.10E-01	mg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.65	—	—	1.10E-01	mg/L	—	—	11-1382	CAMO-11-4641	GELC
R-16	P2A	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	P2A	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

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

Location	Port Name	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	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.181	—	—	1.00E-02	mg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.191	—	—	1.00E-02	mg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.535	—	—	5.00E-02	mg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.433	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.196	—	—	5.00E-02	mg/L	J	U	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	07/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.437	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.433	—	—	5.00E-02	µg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.429	—	—	5.00E-02	µg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.433	—	—	5.00E-02	µg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.453	—	—	5.00E-02	µg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.414	—	—	5.00E-02	µg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.439	—	—	5.00E-02	µg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.97	—	—	1.00E-02	SU	H	J-	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.01	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.93	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.07	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.93	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.86	—	—	5.00E-02	mg/L	—	J	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.97	—	—	5.00E-02	mg/L	—	J	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.85	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.77	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4641	GELC
R-16	P2A	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	P2A	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	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	14	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	11-1382	CAMO-11-4641	GELC
R-16	P2A	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	P2A	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	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	µS/cm	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	µS/cm	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	µS/cm	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	3.88	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.84	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.72	—	—	1.00E-01	mg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.82	—	—	1.00E-01	mg/L	—	J+	11-1382	CAMO-11-4643	GELC
R-16	P2A	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	P2A	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	P2A	863.4	08/18/11	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	95.7	—	—	3.40E+00	mg/L	—	J	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	84.3	—	—	3.40E+00	mg/L	—	J	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	126	—	—	2.40E+00	mg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	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	P2A	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

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

Location	Port Name	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	P2A	863.4	08/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	19.4	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.9	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	19.1	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.7	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	17.9	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	17.8	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.5	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.6	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4641	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.9	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1288	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	µg/L	J	J	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	µg/L	J	J	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	21.1	—	—	1.50E+01	µg/L	J	J	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.3	—	—	1.50E+01	µg/L	J	J	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	µg/L	J	J	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	µg/L	J	J	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19	—	—	1.50E+01	µg/L	J	J	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	µg/L	J	J	11-1382	CAMO-11-4641	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.3	—	—	1.50E+01	µg/L	J	J	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.1	—	—	1.50E+01	µg/L	J	J	11-585	CAMO-11-1288	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	2.18	—	—	2.00E+00	µg/L	J	J	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.92	—	—	2.00E+00	µg/L	J	J	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	2	—	—	2.00E+00	µg/L	J	J	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.12	—	—	2.00E+00	µg/L	J	J	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.3	—	—	2.00E+00	µg/L	J	J	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.88	—	—	2.00E+00	µg/L	J	J	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.07	—	—	2.00E+00	µg/L	J	J	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.42	—	—	2.00E+00	µg/L	J	J	11-1382	CAMO-11-4641	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.57	—	—	2.50E+00	µg/L	J	J	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.85	—	—	2.50E+00	µg/L	J	J	11-585	CAMO-11-1288	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	12.3	—	—	2.00E+00	µg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	12.8	—	—	2.00E+00	µg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	11.8	—	—	2.00E+00	µg/L	—	—	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	11.7	—	—	2.00E+00	µg/L	—	—	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	11.1	—	—	2.00E+00	µg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.2	—	—	2.00E+00	µg/L	—	—	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	10.2	—	—	2.00E+00	µg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.6	—	—	2.00E+00	µg/L	—	—	11-1382	CAMO-11-4641	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	18.1	—	—	2.00E+00	µg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	18.1	—	—	2.00E+00	µg/L	—	—	11-585	CAMO-11-1288	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.70E-01	µg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.70E-01	µg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.70E-01	µg/L	—	—	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.70E-01	µg/L	—	—	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.02	—	—	1.70E-01	µg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.70E-01	µg/L	—	—	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.70E-01	µg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.70E-01	µg/L	—	—	11-1382	CAMO-11-4641	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.48	—	—	1.00E-01	µg/L	—	U	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.53	—	—	1.00E-01	µg/L	—	U	11-585	CAMO-11-1288	GELC

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

Location	Port Name	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	P2A	863.4	08/18/11	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	0.591	—	—	5.00E-01	µg/L	J	J	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.661	—	—	5.00E-01	µg/L	J	J	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	0.575	—	—	5.00E-01	µg/L	J	J	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.575	—	—	5.00E-01	µg/L	J	J	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.589	—	—	5.00E-01	µg/L	J	J	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.877	—	—	5.00E-01	µg/L	J	J	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.754	—	—	5.00E-01	µg/L	J	J	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1	—	—	5.00E-01	µg/L	J	J	11-1382	CAMO-11-4641	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.39	—	—	5.00E-01	µg/L	J	J	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.41	—	—	5.00E-01	µg/L	J	J	11-585	CAMO-11-1288	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	57.7	—	—	5.30E-02	mg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	56.5	—	—	5.30E-02	mg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.9	—	—	5.30E-02	mg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55.5	—	—	5.30E-02	mg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	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	P2A	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	P2A	863.4	08/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	195	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	191	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	195	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	190	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	177	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	173	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	185	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	179	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4641	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	185	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	187	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1288	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.14	—	—	6.70E-02	µg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	6.70E-02	µg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.12	—	—	6.70E-02	µg/L	—	—	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.14	—	—	6.70E-02	µg/L	—	—	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.07	—	—	6.70E-02	µg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.09	—	—	6.70E-02	µg/L	—	—	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.22	—	—	6.70E-02	µg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.26	—	—	6.70E-02	µg/L	—	—	11-1382	CAMO-11-4641	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.21	—	—	5.00E-02	µg/L	—	—	11-585	CAMO-11-1288	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	13.7	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24692	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10753	GELC
R-16	P2A	863.4	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.9	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4641	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1288	GELC
R-16	P2A	863.4	08/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	3.56	—	—	3.30E+00	µg/L	J	J	11-3264	CAMO-11-24693	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	3.77	—	—	3.30E+00	µg/L	J	J	11-3264	CAMO-11-24695	GELC
R-16	P2A	863.4	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.41	—	—	3.30E+00	µg/L	J	J	11-3264	CAMO-11-24691	GELC
R-16	P2A	863.4	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.89	—	—	3.30E+00	µg/L	J	J	11-2573	CAMO-11-10753	GELC

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

Location	Port Name	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	P2A	863.4	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-2573	CAMO-11-10755	GELC
R-16	P2A	863.4	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-1382	CAMO-11-4643	GELC
R-16	P2A	863.4	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-1382	CAMO-11-4641	GELC
R-16	P2A	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.57	—	—	3.30E+00	µg/L	J	J	11-585	CAMO-11-1287	GELC
R-16	P2A	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.64	—	—	3.30E+00	µg/L	J	J	11-585	CAMO-11-1288	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	83.3	—	—	7.30E-01	mg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	100	—	—	7.30E-01	mg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.7	—	—	7.30E-01	mg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	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	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	5.00E-02	mg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	5.00E-02	mg/L	—	—	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4644	GELC
R-16	P4A	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	P4A	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	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.35	—	—	6.60E-02	mg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.31	—	—	6.60E-02	mg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.41	—	—	6.60E-02	mg/L	—	J+	11-1382	CAMO-11-4645	GELC
R-16	P4A	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	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.364	—	—	3.30E-02	mg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.37	—	—	3.30E-02	mg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.353	—	—	3.30E-02	mg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	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	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	4.50E-01	mg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	4.50E-01	mg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.8	—	—	4.50E-01	mg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.4	—	—	4.50E-01	mg/L	—	—	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.4	—	—	4.50E-01	mg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.1	—	—	4.50E-01	mg/L	—	—	11-1382	CAMO-11-4644	GELC
R-16	P4A	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	P4A	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	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.54	—	—	1.10E-01	mg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.53	—	—	1.10E-01	mg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.43	—	—	1.10E-01	mg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.44	—	—	1.10E-01	mg/L	—	—	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.45	—	—	1.10E-01	mg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.6	—	—	1.10E-01	mg/L	—	—	11-1382	CAMO-11-4644	GELC
R-16	P4A	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	P4A	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	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.142	—	—	1.00E-02	mg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.451	—	—	5.00E-02	mg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.409	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.201	—	—	5.00E-02	mg/L	J	U	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.352	—	—	5.00E-02	µg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.372	—	—	5.00E-02	µg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.361	—	—	5.00E-02	µg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.403	—	—	5.00E-02	µg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	11-3264	CAMO-11-24688	GELC

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

Location	Port Name	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	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.06	—	—	1.00E-02	SU	H	J-	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.02	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.98	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.04	—	—	5.00E-02	mg/L	—	J	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.83	—	—	5.00E-02	mg/L	—	J	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.76	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.03	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4644	GELC
R-16	P4A	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
R-16	P4A	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	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.4	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.4	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	1.00E-01	mg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	1.00E-01	mg/L	—	—	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	1.00E-01	mg/L	—	—	11-1382	CAMO-11-4644	GELC
R-16	P4A	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	P4A	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	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	185	—	—	1.00E+00	µS/cm	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	185	—	—	1.00E+00	µS/cm	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	µS/cm	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.69	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.64	—	—	1.00E-01	mg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.75	—	—	1.00E-01	mg/L	—	J+	11-1382	CAMO-11-4645	GELC
R-16	P4A	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	P4A	1237	08/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	61.4	—	—	3.40E+00	mg/L	—	J	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	117	—	—	2.40E+00	mg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	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	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.17	—	—	1.70E+00	µg/L	J	J	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.65	—	—	1.70E+00	µg/L	J	J	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.81	—	—	1.70E+00	µg/L	J	J	11-1382	CAMO-11-4644	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.39	—	—	1.50E+00	µg/L	J	J	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.55	—	—	1.50E+00	µg/L	J	J	11-585	CAMO-11-1305	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44.6	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.9	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.4	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.1	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.7	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.6	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4644	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44.5	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.3	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1305	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25	—	—	1.50E+01	µg/L	J	J	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.4	—	—	1.50E+01	µg/L	J	J	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.7	—	—	1.50E+01	µg/L	J	J	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.7	—	—	1.50E+01	µg/L	J	J	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.9	—	—	1.50E+01	µg/L	J	J	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.2	—	—	1.50E+01	µg/L	J	J	11-1382	CAMO-11-4644	GELC

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

Location	Port Name	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	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	1.50E+01	µg/L	J	J	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	µg/L	J	J	11-585	CAMO-11-1305	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.29	—	—	2.00E+00	µg/L	J	J	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.09	—	—	2.00E+00	µg/L	J	J	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00E+00	µg/L	U	U	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00E+00	µg/L	U	U	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00E+00	µg/L	U	U	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00E+00	µg/L	U	U	11-1382	CAMO-11-4644	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.59	—	—	2.50E+00	µg/L	J	J	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.84	—	—	2.50E+00	µg/L	J	J	11-585	CAMO-11-1305	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	37.9	—	—	3.00E+01	µg/L	J	J	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1382	CAMO-11-4644	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-585	CAMO-11-1305	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	54.9	—	—	2.00E+00	µg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	54	—	—	2.00E+00	µg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	40.4	—	—	2.00E+00	µg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	40.4	—	—	2.00E+00	µg/L	—	—	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	28.4	—	—	2.00E+00	µg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	30.4	—	—	2.00E+00	µg/L	—	—	11-1382	CAMO-11-4644	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	8.66	—	—	2.00E+00	µg/L	J	J	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.09	—	—	2.00E+00	µg/L	J	J	11-585	CAMO-11-1305	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.56	—	—	1.70E-01	µg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.64	—	—	1.70E-01	µg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.70E-01	µg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.41	—	—	1.70E-01	µg/L	—	—	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.62	—	—	1.70E-01	µg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.70E-01	µg/L	—	—	11-1382	CAMO-11-4644	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.72	—	—	1.00E-01	µg/L	—	U	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.7	—	—	1.00E-01	µg/L	—	U	11-585	CAMO-11-1305	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.709	—	—	5.00E-01	µg/L	J	J	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.793	—	—	5.00E-01	µg/L	J	J	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.932	—	—	5.00E-01	µg/L	J	J	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.943	—	—	5.00E-01	µg/L	J	J	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.764	—	—	5.00E-01	µg/L	J	J	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.835	—	—	5.00E-01	µg/L	J	J	11-1382	CAMO-11-4644	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.48	—	—	5.00E-01	µg/L	J	J	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.36	—	—	5.00E-01	µg/L	J	J	11-585	CAMO-11-1305	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	49.5	—	—	5.30E-02	mg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	48.4	—	—	5.30E-02	mg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.6	—	—	5.30E-02	mg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	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	P4A	1237	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	235	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	235	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	219	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	218	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	219	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4645	GELC

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

Location	Port Name	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	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	235	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4644	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	242	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	227	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1305	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	6.70E-02	µg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.31	—	—	6.70E-02	µg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	6.70E-02	µg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.33	—	—	6.70E-02	µg/L	—	—	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.64	—	—	6.70E-02	µg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.54	—	—	6.70E-02	µg/L	—	—	11-1382	CAMO-11-4644	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.43	—	—	5.00E-02	µg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.43	—	—	5.00E-02	µg/L	—	—	11-585	CAMO-11-1305	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	µg/L	—	—	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.1	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.8	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4644	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.3	—	—	1.00E+00	µg/L	—	—	11-585	CAMO-11-1305	GELC
R-16	P4A	1237	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.2	—	—	3.30E+00	µg/L	—	—	11-3264	CAMO-11-24688	GELC
R-16	P4A	1237	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.8	—	—	3.30E+00	µg/L	—	—	11-3264	CAMO-11-24689	GELC
R-16	P4A	1237	05/27/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.35	—	—	3.30E+00	µg/L	J	J	11-2573	CAMO-11-10761	GELC
R-16	P4A	1237	05/27/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.47	—	—	3.30E+00	µg/L	J	J	11-2573	CAMO-11-10760	GELC
R-16	P4A	1237	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.7	—	—	3.30E+00	µg/L	J	J	11-1382	CAMO-11-4645	GELC
R-16	P4A	1237	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.48	—	—	3.30E+00	µg/L	J	J	11-1382	CAMO-11-4644	GELC
R-16	P4A	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.85	—	—	3.30E+00	µg/L	J	J	11-585	CAMO-11-1306	GELC
R-16	P4A	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.22	—	—	3.30E+00	µg/L	J	J	11-585	CAMO-11-1305	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.2	—	—	7.30E-01	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.5	—	—	7.30E-01	mg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.2	—	—	7.30E-01	mg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	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	Single	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	Single	600	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20	—	—	5.00E-02	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.7	—	—	5.00E-02	mg/L	—	—	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	N	J-	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.6	—	—	5.00E-02	mg/L	N	J-	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.9	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.2	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4647	GELC
R-16r	Single	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	Single	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	Single	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	Single	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	Single	600	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.31	—	—	6.60E-02	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.46	—	—	6.60E-02	mg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.38	—	—	6.60E-02	mg/L	—	J+	11-1382	CAMO-11-4650	GELC
R-16r	Single	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	Single	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	Single	600	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.402	—	—	3.30E-02	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.427	—	—	3.30E-02	mg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.389	—	—	3.30E-02	mg/L	—	—	11-1382	CAMO-11-4650	GELC

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

Location	Port Name	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	Single	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	Single	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	Single	600	08/10/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53	—	—	4.50E-01	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.9	—	—	4.50E-01	mg/L	—	—	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	50.9	—	—	4.50E-01	mg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.6	—	—	4.50E-01	mg/L	—	—	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.8	—	—	4.50E-01	mg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.7	—	—	4.50E-01	mg/L	—	—	11-1382	CAMO-11-4647	GELC
R-16r	Single	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	Single	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	Single	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	Single	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	Single	600	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.768	—	—	1.10E-01	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.801	—	—	1.10E-01	mg/L	—	—	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.784	—	—	1.10E-01	mg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.863	—	—	1.10E-01	mg/L	—	—	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.768	—	—	1.10E-01	mg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.767	—	—	1.10E-01	mg/L	—	—	11-1382	CAMO-11-4647	GELC
R-16r	Single	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	Single	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	Single	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	Single	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	Single	600	08/10/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.52	—	—	5.00E-02	mg/L	—	J	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.51	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.449	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	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	Single	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	Single	600	08/10/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.387	—	—	5.00E-02	µg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.369	—	—	5.00E-02	µg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.401	—	—	5.00E-02	µg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.418	—	—	5.00E-02	µg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	Single	600	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.403	—	—	5.00E-02	µg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.1	—	—	1.00E-02	SU	H	J-	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.37	—	—	5.00E-02	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.4	—	—	5.00E-02	mg/L	—	—	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.1	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.24	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.31	—	—	5.00E-02	mg/L	—	—	11-1382	CAMO-11-4647	GELC
R-16r	Single	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	Single	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	Single	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	Single	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	Single	600	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	1.00E-01	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.3	—	—	1.00E-01	mg/L	—	—	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.9	—	—	1.00E-01	mg/L	—	—	11-1382	CAMO-11-4650	GELC

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

Location	Port Name	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	Single	600	02/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	1.00E-01	mg/L	—	—	11-1382	CAMO-11-4647	GELC
R-16r	Single	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	Single	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	Single	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	Single	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	Single	600	08/10/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	µS/cm	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	180	—	—	1.00E+00	µS/cm	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	172	—	—	1.00E+00	µS/cm	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.31	—	—	1.00E-01	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.61	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.47	—	—	1.00E-01	mg/L	—	J+	11-1382	CAMO-11-4650	GELC
R-16r	Single	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	Single	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	Single	600	08/10/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	113	—	—	3.40E+00	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	122	—	—	2.40E+00	mg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	2.40E+00	mg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	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	Single	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	Single	600	08/10/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.602	—	—	3.50E-01	mg/L	J	J	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.5	—	—	1.80E-01	mg/L	U	UJ	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	11-1381	CAMO-11-4647	GELC
R-16r	Single	600	11/11/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	11-493	CAMO-11-1289	GELC
R-16r	Single	600	07/15/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-3711	CAMO-10-22861	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0912	—	—	1.50E-02	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.068	—	—	1.50E-02	mg/L	—	U	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	11-493	CAMO-11-1290	GELC
R-16r	Single	600	07/15/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.029	—	—	1.50E-02	mg/L	J	U	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.9	—	—	1.00E+00	µg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65.5	—	—	1.00E+00	µg/L	—	—	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	57.3	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	59.2	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.4	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.6	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4647	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66.9	—	—	1.00E+00	µg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	Single	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.7	—	—	1.00E+00	µg/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	Single	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	60.5	—	—	1.00E+00	µg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.2	—	—	1.00E+00	µg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	µg/L	J	J	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.6	—	—	1.50E+01	µg/L	J	J	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.1	—	—	1.50E+01	µg/L	J	J	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.8	—	—	1.50E+01	µg/L	J	J	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.3	—	—	1.50E+01	µg/L	J	J	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.7	—	—	1.50E+01	µg/L	J	J	11-1382	CAMO-11-4647	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	µg/L	J	J	11-493	CAMO-11-1290	GELC
R-16r	Single	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.5	—	—	1.50E+01	µg/L	J	J	11-493	CAMO-11-1289	GELC
R-16r	Single	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.50E+01	µg/L	B	J	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23	—	—	1.50E+01	µg/L	B	J	10-3712	CAMO-10-22861	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.47	—	—	2.00E+00	µg/L	J	J	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.03	—	—	2.00E+00	µg/L	J	J	11-3144	CAMO-11-24681	GELC

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

Location	Port Name	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	Single	600	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.34	—	—	2.00E+00	µg/L	J	J	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.27	—	—	2.00E+00	µg/L	J	J	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.71	—	—	2.00E+00	µg/L	J	J	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.31	—	—	2.00E+00	µg/L	J	J	11-1382	CAMO-11-4647	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.48	—	—	2.50E+00	µg/L	J	J	11-493	CAMO-11-1290	GELC
R-16r	Single	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.36	—	—	2.50E+00	µg/L	J	J	11-493	CAMO-11-1289	GELC
R-16r	Single	600	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.83	—	—	2.50E+00	µg/L	B	J	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.56	—	—	2.50E+00	µg/L	B	J	10-3712	CAMO-10-22861	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.06	—	—	3.00E+00	µg/L	J	J	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-1382	CAMO-11-4647	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-493	CAMO-11-1290	GELC
R-16r	Single	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-493	CAMO-11-1289	GELC
R-16r	Single	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	10-3712	CAMO-10-22861	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.70E-01	µg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.70E-01	µg/L	—	—	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.08	—	—	1.70E-01	µg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.70E-01	µg/L	—	—	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.70E-01	µg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.70E-01	µg/L	—	—	11-1382	CAMO-11-4647	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.88	—	—	1.00E-01	µg/L	—	U	11-493	CAMO-11-1290	GELC
R-16r	Single	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	2.01	—	—	1.00E-01	µg/L	—	U	11-493	CAMO-11-1289	GELC
R-16r	Single	600	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	µg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.00E-01	µg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.07	—	—	5.00E-01	µg/L	J	J	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.937	—	—	5.00E-01	µg/L	J	J	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.83	—	—	5.00E-01	µg/L	J	J	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.01	—	—	5.00E-01	µg/L	—	—	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.15	—	—	5.00E-01	µg/L	J	J	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.2	—	—	5.00E-01	µg/L	J	J	11-1382	CAMO-11-4647	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-493	CAMO-11-1290	GELC
R-16r	Single	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-493	CAMO-11-1289	GELC
R-16r	Single	600	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.24	—	—	5.00E-01	µg/L	B	J	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.26	—	—	5.00E-01	µg/L	B	J	10-3712	CAMO-10-22861	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.9	—	—	5.30E-02	mg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.8	—	—	5.30E-02	mg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.9	—	—	5.30E-02	mg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	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	Single	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	Single	600	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	187	—	—	1.00E+00	µg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	192	—	—	1.00E+00	µg/L	—	—	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	173	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	189	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	191	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4647	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	203	—	—	1.00E+00	µg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	Single	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	191	—	—	1.00E+00	µg/L	—	—	11-493	CAMO-11-1289	GELC

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

Location	Port Name	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	Single	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	179	—	—	1.00E+00	µg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	µg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.997	—	—	6.70E-02	µg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.995	—	—	6.70E-02	µg/L	—	—	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.19	—	—	6.70E-02	µg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.18	—	—	6.70E-02	µg/L	—	—	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	6.70E-02	µg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.23	—	—	6.70E-02	µg/L	—	—	11-1382	CAMO-11-4647	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	µg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	Single	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	5.00E-02	µg/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	Single	600	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.19	—	—	5.00E-02	µg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.14	—	—	5.00E-02	µg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	µg/L	—	—	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.4	—	—	1.00E+00	µg/L	—	—	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	12.4	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.9	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.4	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.4	—	—	1.00E+00	µg/L	—	—	11-1382	CAMO-11-4647	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	µg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	Single	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.1	—	—	1.00E+00	µg/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	Single	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.1	—	—	1.00E+00	µg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	µg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	Single	600	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.01	—	—	3.30E+00	µg/L	J	J	11-3144	CAMO-11-24682	GELC
R-16r	Single	600	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.3	—	—	3.30E+00	µg/L	—	—	11-3144	CAMO-11-24681	GELC
R-16r	Single	600	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.92	—	—	3.30E+00	µg/L	J	J	11-2493	CAMO-11-10750	GELC
R-16r	Single	600	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.4	—	—	3.30E+00	µg/L	—	—	11-2493	CAMO-11-10752	GELC
R-16r	Single	600	02/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.25	—	—	3.30E+00	µg/L	J	J	11-1382	CAMO-11-4650	GELC
R-16r	Single	600	02/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.79	—	—	3.30E+00	µg/L	J	J	11-1382	CAMO-11-4647	GELC
R-16r	Single	600	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.97	—	—	3.30E+00	µg/L	J	J	11-493	CAMO-11-1290	GELC
R-16r	Single	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.1	—	—	3.30E+00	µg/L	J	J	11-493	CAMO-11-1289	GELC
R-16r	Single	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	17.1	—	—	3.30E+00	µg/L	—	U	10-3712	CAMO-10-22863	GELC
R-16r	Single	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	19.7	—	—	3.30E+00	µg/L	—	U	10-3712	CAMO-10-22861	GELC
R-28	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.4	—	—	7.30E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.2	—	—	7.30E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.6	—	—	7.30E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.217	—	—	6.60E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.242	—	—	6.60E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.22	—	—	6.60E-02	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.1	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	48	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	45	—	—	5.00E-02	mg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.3	—	—	5.00E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.2	—	—	5.00E-02	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.3	—	—	5.00E-02	mg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	Single	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	Single	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

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

Location	Port Name	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	33.8	—	—	3.30E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	34.3	—	—	3.30E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.9	—	—	6.60E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00506	—	—	1.50E-03	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00431	—	—	1.50E-03	mg/L	J	J	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0049	—	—	1.70E-03	mg/L	J	J	11-1343	CAMO-11-4598	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.277	—	—	3.30E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.297	—	—	3.30E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.297	—	—	3.30E-02	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	170	—	—	4.50E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	170	—	—	4.50E-01	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	158	—	—	4.50E-01	mg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	159	—	—	4.50E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	156	—	—	4.50E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	170	—	—	4.50E-01	mg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.1	—	—	1.10E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.1	—	—	1.10E-01	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.1	—	—	1.10E-01	mg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.2	—	—	1.10E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.1	—	—	1.10E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12	—	—	1.10E-01	mg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.89	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.82	—	—	5.00E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.58	—	—	1.00E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.04	—	—	1.00E-01	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.996	—	—	5.00E-02	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.997	—	—	5.00E-02	µg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	11/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.12	—	—	1.00E-01	µg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	Single	934.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.06	—	—	1.00E-01	µg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.87	—	—	1.00E-02	SU	H	J-	11-1343	CAMO-11-4599	GELC
R-28	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.94	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.91	—	—	5.00E-02	mg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.8	—	—	5.00E-02	mg/L	—	—	11-1343	CAMO-11-4599	GELC

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

Location	Port Name	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	Single	934.3	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.98	—	—	5.00E-02	mg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.6	—	—	1.00E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	1.00E-01	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.4	—	—	1.00E-01	mg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	1.00E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.6	—	—	1.00E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	1.00E-01	mg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	394	—	—	1.00E+00	µS/cm	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	404	—	—	1.00E+00	µS/cm	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	407	—	—	1.00E+00	µS/cm	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	408	—	—	1.00E+00	µS/cm	—	—	11-467	CAMO-11-1272	GELC
R-28	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	47.3	—	—	5.00E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	50.7	—	—	5.00E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	47.5	—	—	1.00E+00	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	291	—	—	3.40E+00	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	293	—	—	2.40E+00	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	306	—	—	2.40E+00	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.542	—	—	3.30E-01	mg/L	J	J	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.705	—	—	3.30E-01	mg/L	J	J	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.714	—	—	3.30E-01	mg/L	J	J	11-1343	CAMO-11-4598	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	73.7	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	71.8	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65.5	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66.6	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66	—	—	1.00E+00	µg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	71.9	—	—	1.00E+00	µg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	Single	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	65.9	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	Single	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	69.4	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	Single	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.8	—	—	1.50E+01	µg/L	J	J	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.9	—	—	1.50E+01	µg/L	J	J	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.3	—	—	1.50E+01	µg/L	J	J	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.2	—	—	1.50E+01	µg/L	J	J	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.50E+01	µg/L	J	J	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.2	—	—	1.50E+01	µg/L	J	J	11-1343	CAMO-11-4598	GELC
R-28	Single	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	1.50E+01	µg/L	J	J	11-467	CAMO-11-1272	GELC
R-28	Single	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.6	—	—	1.50E+01	µg/L	J	J	11-467	CAMO-11-1271	GELC
R-28	Single	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	428	—	—	2.00E+00	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	413	—	—	2.00E+00	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	367	—	—	2.00E+00	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	344	—	—	2.00E+00	µg/L	—	—	11-2597	CAMO-11-10704	GELC

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

Location	Port Name	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	Single	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	356	—	—	2.00E+00	µg/L	E	—	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	354	—	—	2.00E+00	µg/L	E	—	11-1343	CAMO-11-4598	GELC
R-28	Single	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	402	—	—	2.50E+00	µg/L	E	—	11-467	CAMO-11-1272	GELC
R-28	Single	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	409	—	—	2.50E+00	µg/L	E	—	11-467	CAMO-11-1271	GELC
R-28	Single	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.856	—	—	1.70E-01	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.845	—	—	1.70E-01	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.832	—	—	1.70E-01	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.771	—	—	1.70E-01	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.86	—	—	1.70E-01	µg/L	—	U	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.871	—	—	1.70E-01	µg/L	—	U	11-1343	CAMO-11-4598	GELC
R-28	Single	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.01	—	—	1.00E-01	µg/L	—	U	11-467	CAMO-11-1272	GELC
R-28	Single	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.11	—	—	1.00E-01	µg/L	—	U	11-467	CAMO-11-1271	GELC
R-28	Single	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19.5	—	—	5.00E-01	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.1	—	—	5.00E-01	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.8	—	—	5.00E-01	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.9	—	—	5.00E-01	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	20.9	—	—	5.00E-01	µg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	21	—	—	5.00E-01	µg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	Single	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	34	—	—	5.00E-01	µg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	Single	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	35.3	—	—	5.00E-01	µg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	Single	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.2	—	—	5.30E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74	—	—	5.30E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.5	—	—	5.30E-02	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	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	Single	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	Single	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	180	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	179	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	166	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	169	—	—	1.00E+00	µg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	184	—	—	1.00E+00	µg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	Single	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	167	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	Single	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	175	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	Single	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	6.70E-02	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	6.70E-02	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.42	—	—	6.70E-02	µg/L	—	J	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	6.70E-02	µg/L	—	J	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	6.70E-02	µg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.42	—	—	6.70E-02	µg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	Single	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	µg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	Single	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	5.00E-02	µg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	Single	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.91	—	—	1.00E+00	µg/L	J	J	11-3009	CAMO-11-24638	GELC
R-28	Single	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.05	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.71	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.86	—	—	1.00E+00	µg/L	J	J	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.31	—	—	1.00E+00	µg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	Single	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.13	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	Single	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.8	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	Single	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.3	—	—	3.30E+00	µg/L	J	J	11-3009	CAMO-11-24638	GELC

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

Location	Port Name	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	Single	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.84	—	—	3.30E+00	µg/L	J	J	11-3009	CAMO-11-24637	GELC
R-28	Single	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.1	—	—	3.30E+00	µg/L	J	J	11-2597	CAMO-11-10705	GELC
R-28	Single	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.86	—	—	3.30E+00	µg/L	J	J	11-2597	CAMO-11-10704	GELC
R-28	Single	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-1343	CAMO-11-4599	GELC
R-28	Single	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.68	—	—	3.30E+00	µg/L	J	J	11-1343	CAMO-11-4598	GELC
R-28	Single	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.68	—	—	3.30E+00	µg/L	J	J	11-467	CAMO-11-1272	GELC
R-28	Single	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.66	—	—	3.30E+00	µg/L	J	J	11-467	CAMO-11-1271	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.8	—	—	7.30E-01	mg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.8	—	—	7.30E-01	mg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.6	—	—	7.30E-01	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65	—	—	7.30E-01	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	12.2	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.6	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.8	—	—	5.00E-02	mg/L	—	—	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.4	—	—	5.00E-02	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.5	—	—	5.00E-02	mg/L	—	—	11-1332	CAMO-11-4661	GELC
R-33	P1A	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	P1A	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	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.3	—	—	6.60E-02	mg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.28	—	—	6.60E-02	mg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.26	—	—	6.60E-02	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.18	—	—	6.60E-02	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.228	—	—	3.30E-02	mg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.236	—	—	3.30E-02	mg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.26	—	—	3.30E-02	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.204	—	—	3.30E-02	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	47	—	—	4.50E-01	mg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.1	—	—	4.50E-01	mg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	47.2	—	—	4.50E-01	mg/L	—	—	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.8	—	—	4.50E-01	mg/L	—	—	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.1	—	—	4.50E-01	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.2	—	—	4.50E-01	mg/L	—	—	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	4.50E-01	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	02/10/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.8	—	—	4.50E-01	mg/L	—	—	11-1332	CAMO-11-4661	GELC
R-33	P1A	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	P1A	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	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	1.10E-01	mg/L	—	—	11-3044	CAMO-11-24667	GELC

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

Location	Port Name	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	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.02	—	—	1.10E-01	mg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	1.10E-01	mg/L	—	—	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.14	—	—	1.10E-01	mg/L	—	—	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	1.10E-01	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.94	—	—	1.10E-01	mg/L	—	—	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	1.10E-01	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	1.10E-01	mg/L	—	—	11-1332	CAMO-11-4661	GELC
R-33	P1A	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	P1A	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	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.59	—	—	5.00E-02	mg/L	—	J	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.595	—	—	5.00E-02	mg/L	—	J	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.545	—	—	5.00E-02	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.515	—	—	5.00E-02	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	11/18/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.625	—	—	1.00E-01	mg/L	—	U	11-600	CAMO-11-1296	GELC
R-33	P1A	995.5	07/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.59	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.436	—	—	5.00E-02	µg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.422	—	—	5.00E-02	µg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.385	—	—	5.00E-02	µg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.412	—	—	5.00E-02	µg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	11/18/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.411	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	P1A	995.5	07/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.436	—	—	5.00E-02	µg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.75	—	—	1.00E-02	SU	H	J-	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.76	—	—	1.00E-02	SU	H	J-	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	1.00E-02	SU	H	J-	11-1332	CAMO-11-4664	GELC
R-33	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.61	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.54	—	—	5.00E-02	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.6	—	—	5.00E-02	mg/L	—	—	11-1332	CAMO-11-4661	GELC
R-33	P1A	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	P1A	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	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	—	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	11-1332	CAMO-11-4661	GELC
R-33	P1A	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

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

Location	Port Name	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	P1A	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	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	µS/cm	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	µS/cm	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	µS/cm	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	11/18/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	142	—	—	1.00E+00	µS/cm	—	—	11-600	CAMO-11-1296	GELC
R-33	P1A	995.5	07/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	142	—	—	1.00E+00	µS/cm	—	—	10-3636	CAMO-10-22884	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	3.15	—	—	1.00E-01	mg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.23	—	—	1.00E-01	mg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.32	—	—	1.00E-01	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.02	—	—	1.00E-01	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	137	—	—	3.40E+00	mg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	3.40E+00	mg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.29	—	—	1.50E-02	mg/L	—	J	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.293	—	—	1.50E-02	mg/L	—	J	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0557	—	—	1.50E-02	mg/L	—	U	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	11/18/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.068	—	—	1.50E-02	mg/L	—	U	11-600	CAMO-11-1296	GELC
R-33	P1A	995.5	07/09/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.061	—	—	1.50E-02	mg/L	—	U	10-3636	CAMO-10-22884	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	33.5	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.1	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	32.8	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.1	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	µg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	31.9	—	—	1.00E+00	µg/L	—	—	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.8	—	—	1.00E+00	µg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.7	—	—	1.00E+00	µg/L	—	—	11-1332	CAMO-11-4661	GELC
R-33	P1A	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.3	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	P1A	995.5	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.3	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1297	GELC
R-33	P1A	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.1	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	P1A	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.9	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	4.5	—	—	2.00E+00	µg/L	J	J	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.51	—	—	2.00E+00	µg/L	J	J	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	4.98	—	—	2.00E+00	µg/L	J	J	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.01	—	—	2.00E+00	µg/L	J	J	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.18	—	—	2.00E+00	µg/L	J	J	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.39	—	—	2.00E+00	µg/L	J	J	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.47	—	—	2.00E+00	µg/L	J	J	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	02/10/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.64	—	—	2.00E+00	µg/L	J	J	11-1332	CAMO-11-4661	GELC
R-33	P1A	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.25	—	—	2.50E+00	µg/L	J	J	11-600	CAMO-11-1296	GELC
R-33	P1A	995.5	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.07	—	—	2.50E+00	µg/L	J	J	11-600	CAMO-11-1297	GELC
R-33	P1A	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.1	—	—	2.50E+00	µg/L	J	J	10-3636	CAMO-10-22884	GELC

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

Location	Port Name	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	P1A	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.99	—	—	2.50E+00	µg/L	J	J	10-3636	CAMO-10-22883	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.70E-01	µg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.70E-01	µg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.70E-01	µg/L	—	—	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.70E-01	µg/L	—	—	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.70E-01	µg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.70E-01	µg/L	—	—	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.70E-01	µg/L	—	J	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	02/10/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.70E-01	µg/L	—	J	11-1332	CAMO-11-4661	GELC
R-33	P1A	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.27	—	—	1.00E-01	µg/L	—	U	11-600	CAMO-11-1296	GELC
R-33	P1A	995.5	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.25	—	—	1.00E-01	µg/L	—	U	11-600	CAMO-11-1297	GELC
R-33	P1A	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	µg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	P1A	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	µg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	1.69	—	—	5.00E-01	µg/L	J	J	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.74	—	—	5.00E-01	µg/L	J	J	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	1.83	—	—	5.00E-01	µg/L	J	J	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.79	—	—	5.00E-01	µg/L	J	J	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.15	—	—	5.00E-01	µg/L	J	J	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.55	—	—	5.00E-01	µg/L	J	J	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.12	—	—	5.00E-01	µg/L	J	J	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	02/10/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.14	—	—	5.00E-01	µg/L	J	J	11-1332	CAMO-11-4661	GELC
R-33	P1A	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.36	—	—	5.00E-01	µg/L	J	U	11-600	CAMO-11-1296	GELC
R-33	P1A	995.5	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.3	—	—	5.00E-01	µg/L	J	U	11-600	CAMO-11-1297	GELC
R-33	P1A	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.03	—	—	5.00E-01	µg/L	J	J	10-3636	CAMO-10-22884	GELC
R-33	P1A	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.881	—	—	5.00E-01	µg/L	J	J	10-3636	CAMO-10-22883	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	78.7	—	—	5.30E-02	mg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.3	—	—	5.30E-02	mg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.2	—	—	5.30E-02	mg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.8	—	—	5.30E-02	mg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	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	P1A	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	P1A	995.5	08/04/11	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	52.2	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.7	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	52	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54.3	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46.8	—	—	1.00E+00	µg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.9	—	—	1.00E+00	µg/L	—	—	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.8	—	—	1.00E+00	µg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.1	—	—	1.00E+00	µg/L	—	—	11-1332	CAMO-11-4661	GELC
R-33	P1A	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.2	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	P1A	995.5	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1297	GELC
R-33	P1A	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	P1A	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.1	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.729	—	—	6.70E-02	µg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.807	—	—	6.70E-02	µg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.747	—	—	6.70E-02	µg/L	—	—	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.749	—	—	6.70E-02	µg/L	—	—	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.738	—	—	6.70E-02	µg/L	—	—	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.751	—	—	6.70E-02	µg/L	—	—	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.863	—	—	6.70E-02	µg/L	—	—	11-1332	CAMO-11-4664	GELC

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

Location	Port Name	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	P1A	995.5	02/10/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.851	—	—	6.70E-02	µg/L	—	—	11-1332	CAMO-11-4661	GELC
R-33	P1A	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.954	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	P1A	995.5	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.931	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1297	GELC
R-33	P1A	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.95	—	—	5.00E-02	µg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	P1A	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.909	—	—	5.00E-02	µg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	5.77	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24667	GELC
R-33	P1A	995.5	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.18	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24662	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	5.64	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24666	GELC
R-33	P1A	995.5	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.2	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24664	GELC
R-33	P1A	995.5	05/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.73	—	—	1.00E+00	µg/L	J	J	11-2415	CAMO-11-10763	GELC
R-33	P1A	995.5	05/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.17	—	—	1.00E+00	µg/L	—	—	11-2415	CAMO-11-10762	GELC
R-33	P1A	995.5	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.44	—	—	1.00E+00	µg/L	—	—	11-1332	CAMO-11-4664	GELC
R-33	P1A	995.5	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.76	—	—	1.00E+00	µg/L	—	—	11-1332	CAMO-11-4661	GELC
R-33	P1A	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.97	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	P1A	995.5	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.08	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1297	GELC
R-33	P1A	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.04	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	P1A	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.68	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.9	—	—	7.30E-01	mg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.6	—	—	7.30E-01	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65	—	—	7.30E-01	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	5.00E-02	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	5.00E-02	mg/L	—	—	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4667	GELC
R-33	P2A	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	P2A	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	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.11	—	—	6.60E-02	mg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.96	—	—	6.60E-02	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.92	—	—	6.60E-02	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.221	—	—	3.30E-02	mg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.248	—	—	3.30E-02	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.205	—	—	3.30E-02	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.9	—	—	4.50E-01	mg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	08/04/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.9	—	—	4.50E-01	mg/L	—	—	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.8	—	—	4.50E-01	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44	—	—	4.50E-01	mg/L	—	—	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.4	—	—	4.50E-01	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.7	—	—	4.50E-01	mg/L	—	—	11-1338	CAMO-11-4667	GELC
R-33	P2A	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	P2A	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

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

Location	Port Name	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	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.3	—	—	1.10E-01	mg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.22	—	—	1.10E-01	mg/L	—	—	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	1.10E-01	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.11	—	—	1.10E-01	mg/L	—	—	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.21	—	—	1.10E-01	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.25	—	—	1.10E-01	mg/L	—	—	11-1338	CAMO-11-4667	GELC
R-33	P2A	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	P2A	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	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.414	—	—	5.00E-02	mg/L	—	J	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.352	—	—	5.00E-02	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.309	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	11/18/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.176	—	—	5.00E-02	mg/L	J	U	11-600	CAMO-11-1301	GELC
R-33	P2A	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.348	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.369	—	—	5.00E-02	µg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.335	—	—	5.00E-02	µg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.358	—	—	5.00E-02	µg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	11/18/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.398	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	P2A	1112.4	07/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.372	—	—	5.00E-02	µg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J-	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	11-1338	CAMO-11-4668	GELC
R-33	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.38	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.37	—	—	5.00E-02	mg/L	—	—	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.28	—	—	5.00E-02	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.26	—	—	5.00E-02	mg/L	—	—	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.43	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.47	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4667	GELC
R-33	P2A	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	P2A	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	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	1.00E-01	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	1.00E-01	mg/L	—	—	11-1338	CAMO-11-4667	GELC
R-33	P2A	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	P2A	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	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00E+00	µS/cm	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	µS/cm	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	142	—	—	1.00E+00	µS/cm	—	—	11-1338	CAMO-11-4668	GELC

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

Location	Port Name	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	P2A	1112.4	11/18/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	11-600	CAMO-11-1301	GELC
R-33	P2A	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	10-3636	CAMO-10-22887	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.43	—	—	1.00E-01	mg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.49	—	—	1.00E-01	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.36	—	—	1.00E-01	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	3.40E+00	mg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	2.40E+00	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.054	—	—	3.50E-02	mg/L	J	J	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.5	—	—	1.80E-01	mg/L	U	UJ	11-2414	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	11-1338	CAMO-11-4667	GELC
R-33	P2A	1112.4	11/18/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	11-600	CAMO-11-1300	GELC
R-33	P2A	1112.4	07/09/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-3635	CAMO-10-22885	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.313	—	—	1.50E-02	mg/L	—	J	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0625	—	—	1.50E-02	mg/L	—	U	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	11/18/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.054	—	—	1.50E-02	mg/L	—	U	11-600	CAMO-11-1301	GELC
R-33	P2A	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.066	—	—	1.50E-02	mg/L	—	U	10-3636	CAMO-10-22887	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.7	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.9	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.2	—	—	1.00E+00	µg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.7	—	—	1.00E+00	µg/L	—	—	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.5	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4667	GELC
R-33	P2A	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.1	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	P2A	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1300	GELC
R-33	P2A	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.1	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	P2A	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.4	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.56	—	—	2.00E+00	µg/L	J	J	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.44	—	—	2.00E+00	µg/L	J	J	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.12	—	—	2.00E+00	µg/L	J	J	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.4	—	—	2.00E+00	µg/L	J	J	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.2	—	—	2.00E+00	µg/L	J	J	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.43	—	—	2.00E+00	µg/L	J	J	11-1338	CAMO-11-4667	GELC
R-33	P2A	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.44	—	—	2.50E+00	µg/L	J	J	11-600	CAMO-11-1301	GELC
R-33	P2A	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.42	—	—	2.50E+00	µg/L	J	J	11-600	CAMO-11-1300	GELC
R-33	P2A	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.66	—	—	2.50E+00	µg/L	J	J	10-3636	CAMO-10-22887	GELC
R-33	P2A	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.64	—	—	2.50E+00	µg/L	J	J	10-3636	CAMO-10-22885	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.924	—	—	1.70E-01	µg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.942	—	—	1.70E-01	µg/L	—	—	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.96	—	—	1.70E-01	µg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.974	—	—	1.70E-01	µg/L	—	—	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.927	—	—	1.70E-01	µg/L	—	U	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.70E-01	µg/L	—	J	11-1338	CAMO-11-4667	GELC
R-33	P2A	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.06	—	—	1.00E-01	µg/L	—	U	11-600	CAMO-11-1301	GELC
R-33	P2A	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.06	—	—	1.00E-01	µg/L	—	U	11-600	CAMO-11-1300	GELC

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

Location	Port Name	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	P2A	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.00E-01	µg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	P2A	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.00E-01	µg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.609	—	—	5.00E-01	µg/L	J	J	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.19	—	—	5.00E-01	µg/L	J	J	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.615	—	—	5.00E-01	µg/L	J	J	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.708	—	—	5.00E-01	µg/L	J	J	11-1338	CAMO-11-4667	GELC
R-33	P2A	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.917	—	—	5.00E-01	µg/L	J	U	11-600	CAMO-11-1301	GELC
R-33	P2A	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.904	—	—	5.00E-01	µg/L	J	U	11-600	CAMO-11-1300	GELC
R-33	P2A	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	10-3636	CAMO-10-22887	GELC
R-33	P2A	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.583	—	—	5.00E-01	µg/L	J	J	10-3636	CAMO-10-22885	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	82.7	—	—	5.30E-02	mg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74	—	—	5.30E-02	mg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.9	—	—	5.30E-02	mg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	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	P2A	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	P2A	1112.4	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47	—	—	1.00E+00	µg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	46.9	—	—	1.00E+00	µg/L	—	—	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.3	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.4	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4667	GELC
R-33	P2A	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.7	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	P2A	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.2	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1300	GELC
R-33	P2A	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.7	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	P2A	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.1	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.859	—	—	6.70E-02	µg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.87	—	—	6.70E-02	µg/L	—	—	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.876	—	—	6.70E-02	µg/L	—	—	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.865	—	—	6.70E-02	µg/L	—	—	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.982	—	—	6.70E-02	µg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	6.70E-02	µg/L	—	—	11-1338	CAMO-11-4667	GELC
R-33	P2A	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.09	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	P2A	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.11	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1300	GELC
R-33	P2A	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.12	—	—	5.00E-02	µg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	P2A	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	µg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	P2A	1112.4	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.66	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24670	GELC
R-33	P2A	1112.4	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.26	—	—	1.00E+00	µg/L	—	—	11-3044	CAMO-11-24669	GELC
R-33	P2A	1112.4	05/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.88	—	—	1.00E+00	µg/L	J	J	11-2415	CAMO-11-10770	GELC
R-33	P2A	1112.4	05/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.22	—	—	1.00E+00	µg/L	—	—	11-2415	CAMO-11-10768	GELC
R-33	P2A	1112.4	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.15	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4668	GELC
R-33	P2A	1112.4	02/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.08	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4667	GELC
R-33	P2A	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.62	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	P2A	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.72	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1300	GELC
R-33	P2A	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.33	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	P2A	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.67	—	—	1.00E+00	µg/L	—	—	10-3636	CAMO-10-22885	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.29	—	—	1.00E-02	SU	H	J-	11-1391	CAMO-11-4671	GELC
R-34	Single	883.7	05/25/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	µS/cm	—	—	11-2548	CAMO-11-10772	GELC
R-34	Single	883.7	02/17/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	151	—	—	1.00E+00	µS/cm	—	—	11-1391	CAMO-11-4671	GELC

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

Location	Port Name	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.3	—	—	7.30E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.1	—	—	7.30E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.5	—	—	7.30E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.206	—	—	6.60E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.201	—	—	6.60E-02	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.202	—	—	6.60E-02	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	56.5	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	54.6	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	50.7	—	—	5.00E-02	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	52.6	—	—	5.00E-02	mg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	49.2	—	—	5.00E-02	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	50.2	—	—	5.00E-02	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	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	Single	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	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	38.4	—	—	3.30E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	37.9	—	—	3.30E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	37.5	—	—	3.30E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	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	Single	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	Single	931.8	08/02/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00361	—	—	1.50E-03	mg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00293	—	—	1.50E-03	mg/L	J	J	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00395	—	—	1.70E-03	mg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.014	—	—	1.70E-03	mg/L	—	U	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.248	—	—	3.30E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.276	—	—	3.30E-02	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.266	—	—	3.30E-02	mg/L	—	J-	11-1402	CAMO-11-4600	GELC
R-42	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	206	—	—	4.50E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	198	—	—	4.50E-01	mg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	184	—	—	4.50E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	190	—	—	4.50E-01	mg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	180	—	—	4.50E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	183	—	—	4.50E-01	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	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	Single	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	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.7	—	—	1.10E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.1	—	—	1.10E-01	mg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	1.10E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.3	—	—	1.10E-01	mg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	1.10E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC

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

Location	Port Name	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	Single	931.8	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.1	—	—	1.10E-01	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	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	Single	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	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.75	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.057	—	—	5.00E-02	mg/L	J	J	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.98	—	—	1.00E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.42	—	—	1.00E-01	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.27	—	—	1.00E-01	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.37	—	—	1.00E-01	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.46	—	—	1.00E-01	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.38	—	—	1.00E-01	µg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.63	—	—	1.00E-02	SU	H	J-	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.71	—	—	1.00E-02	SU	H	J-	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.55	—	—	1.00E-02	SU	H	J-	11-1402	CAMO-11-4600	GELC
R-42	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.59	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.56	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.64	—	—	5.00E-02	mg/L	E	J	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.63	—	—	5.00E-02	mg/L	E	J	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.45	—	—	5.00E-02	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.52	—	—	5.00E-02	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	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	Single	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	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	1.00E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.6	—	—	1.00E-01	mg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	1.00E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	1.00E-01	mg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.6	—	—	1.00E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.9	—	—	1.00E-01	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	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	Single	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	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	454	—	—	1.00E+00	µS/cm	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	473	—	—	1.00E+00	µS/cm	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	450	—	—	1.00E+00	µS/cm	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	466	—	—	1.00E+00	µS/cm	—	—	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	456	—	—	1.00E+00	µS/cm	—	—	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	71.3	—	—	5.00E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	75.1	—	—	5.00E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	74.5	—	—	5.00E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	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	Single	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

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

Location	Port Name	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	327	—	—	3.40E+00	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	334	—	—	2.40E+00	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	340	—	—	2.40E+00	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	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	Single	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	Single	931.8	08/02/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.952	—	—	3.30E-01	mg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.13	—	—	3.30E-01	mg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.35	—	—	3.30E-01	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.28	—	—	1.50E-02	mg/L	—	J	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0606	—	—	1.50E-02	mg/L	—	U	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	11-1402	CAMO-11-4600	GELC
R-42	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	1.54	—	—	1.00E+00	µg/L	J	J	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	1.62	—	—	1.00E+00	µg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	1.00E+00	µg/L	U	U	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	1.02	—	—	1.00E+00	µg/L	J	J	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	1.00E+00	µg/L	U	U	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	1.22	—	—	1.00E+00	µg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.751	—	—	5.00E-01	µg/L	J	U	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	1.06	—	—	5.00E-01	µg/L	J	U	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.627	—	—	5.00E-01	µg/L	J	J	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.646	—	—	5.00E-01	µg/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	99.8	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	96.1	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	89.4	—	—	1.00E+00	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	92.6	—	—	1.00E+00	µg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	93.7	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	94.7	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	88.3	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	88.6	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	84.2	—	—	1.00E+00	µg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	84.9	—	—	1.00E+00	µg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.9	—	—	1.50E+01	µg/L	J	J	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.8	—	—	1.50E+01	µg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	µg/L	J	J	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.5	—	—	1.50E+01	µg/L	J	J	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.9	—	—	1.50E+01	µg/L	J	J	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.8	—	—	1.50E+01	µg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	µg/L	J	J	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.3	—	—	1.50E+01	µg/L	J	J	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	µg/L	J	J	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.6	—	—	1.50E+01	µg/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	965	—	—	2.00E+00	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	984	—	—	2.00E+00	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	891	—	—	2.00E+00	µg/L	E	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	945	—	—	2.00E+00	µg/L	E	—	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	929	—	—	2.00E+00	µg/L	E	—	11-1402	CAMO-11-4600	GELC

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

Location	Port Name	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	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	977	—	—	2.00E+00	µg/L	E	—	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	995	—	—	2.50E+00	µg/L	E	—	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1270	—	—	5.00E+01	µg/L	E	—	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	1240	—	—	5.00E+01	µg/L	—	R	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	F	RE	—	Metals	SW-846:6020	Chromium	—	1060	—	—	5.00E+01	µg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1210	—	—	5.00E+01	µg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	32.5	—	—	3.00E+01	µg/L	J	J	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	32.3	—	—	3.00E+01	µg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	32.4	—	—	3.00E+01	µg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	39.3	—	—	3.00E+01	µg/L	J	J	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	60.8	—	—	3.00E+01	µg/L	J	J	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	33.5	—	—	3.00E+01	µg/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.08	—	—	5.00E-01	µg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.93	—	—	5.00E-01	µg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	1.41	—	—	5.00E-01	µg/L	J	U	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.08	—	—	5.00E-01	µg/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.43	—	—	2.00E+00	µg/L	J	J	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.23	—	—	2.00E+00	µg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.46	—	—	2.00E+00	µg/L	J	J	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.35	—	—	2.00E+00	µg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.36	—	—	2.00E+00	µg/L	J	J	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.62	—	—	2.00E+00	µg/L	J	J	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.43	—	—	2.00E+00	µg/L	J	J	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.33	—	—	2.00E+00	µg/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.569	—	—	1.70E-01	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.515	—	—	1.70E-01	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.467	—	—	1.70E-01	µg/L	J	J	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.491	—	—	1.70E-01	µg/L	J	J	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.612	—	—	1.70E-01	µg/L	—	U	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.611	—	—	1.70E-01	µg/L	—	U	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.635	—	—	1.00E-01	µg/L	—	U	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.706	—	—	1.00E-01	µg/L	—	U	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.595	—	—	1.00E-01	µg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.605	—	—	1.00E-01	µg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	21.6	—	—	5.00E-01	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	22	—	—	5.00E-01	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	23.1	—	—	5.00E-01	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	23.8	—	—	5.00E-01	µg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	29.6	—	—	5.00E-01	µg/L	—	—	11-1402	CAMO-11-4600	GELC

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

Location	Port Name	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	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	30.3	—	—	5.00E-01	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	24.5	—	—	5.00E-01	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	26.4	—	—	5.00E-01	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	23.8	—	—	5.00E-01	µg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	22.5	—	—	5.00E-01	µg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.4	—	—	5.30E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.9	—	—	5.30E-02	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.7	—	—	5.30E-02	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	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	Single	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	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	208	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	187	—	—	1.00E+00	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	195	—	—	1.00E+00	µg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	192	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	195	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	188	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	µg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	183	—	—	1.00E+00	µg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.57	—	—	6.70E-02	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.598	—	—	6.70E-02	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.617	—	—	6.70E-02	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.624	—	—	6.70E-02	µg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.629	—	—	6.70E-02	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.641	—	—	6.70E-02	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.686	—	—	5.00E-02	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.736	—	—	5.00E-02	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.722	—	—	5.00E-02	µg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.704	—	—	5.00E-02	µg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.49	—	—	1.00E+00	µg/L	J	J	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.26	—	—	1.00E+00	µg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	4.53	—	—	1.00E+00	µg/L	J	U	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5.56	—	—	1.00E+00	µg/L	—	U	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.54	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.35	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.18	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.82	—	—	1.00E+00	µg/L	J	J	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.92	—	—	1.00E+00	µg/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	Single	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	3.30E+00	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	Single	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.1	—	—	3.30E+00	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	Single	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.2	—	—	3.30E+00	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	Single	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.4	—	—	3.30E+00	µg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	Single	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	19.5	—	—	3.30E+00	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	Single	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.3	—	—	3.30E+00	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	Single	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.7	—	—	3.30E+00	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	Single	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.3	—	—	3.30E+00	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	Single	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.4	—	—	3.30E+00	µg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	Single	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.6	—	—	3.30E+00	µg/L	—	—	10-3667	CAMO-10-22891	GELC

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

Location	Port Name	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57	—	—	7.30E-01	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.1	—	—	7.30E-01	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.5	—	—	7.30E-01	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	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	P1A	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.6	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.9	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.6	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	P1A	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	P1A	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	P1A	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	P1A	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.17	—	—	6.60E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.28	—	—	6.60E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	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	P1A	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.293	—	—	3.30E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.282	—	—	3.30E-02	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.32	—	—	3.30E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	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	P1A	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	4.50E-01	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.2	—	—	4.50E-01	mg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47	—	—	4.50E-01	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.1	—	—	4.50E-01	mg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.2	—	—	4.50E-01	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46	—	—	4.50E-01	mg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	P1A	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	P1A	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	P1A	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	P1A	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	1.10E-01	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	1.10E-01	mg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.59	—	—	1.10E-01	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.55	—	—	1.10E-01	mg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.51	—	—	1.10E-01	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.52	—	—	1.10E-01	mg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	P1A	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	P1A	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	P1A	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	P1A	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.12	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.35	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.11	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	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	P1A	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

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

Location	Port Name	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.409	—	—	5.00E-02	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.41	—	—	5.00E-02	µg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.418	—	—	5.00E-02	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.444	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.438	—	—	5.00E-02	µg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	08/05/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	11-1454	CAMO-11-4602	GELC
R-44	P1A	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	P1A	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.24	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	J	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.33	—	—	5.00E-02	mg/L	—	J	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.16	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.14	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	P1A	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
R-44	P1A	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	P1A	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	P1A	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.37	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.89	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.61	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.69	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.73	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.69	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	P1A	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	P1A	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	P1A	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	P1A	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00E+00	µS/cm	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	µS/cm	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	128	—	—	1.00E+00	µS/cm	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	136	—	—	1.00E+00	µS/cm	—	—	11-600	CAMO-11-1275	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	132	—	—	1.00E+00	µS/cm	—	—	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.95	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.13	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.25	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	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	P1A	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	119	—	—	3.40E+00	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	129	—	—	2.40E+00	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	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	P1A	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	P1A	895	08/05/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.431	—	—	3.30E-01	mg/L	J	J	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.667	—	—	3.30E-01	mg/L	J	J	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.823	—	—	3.30E-01	mg/L	J	J	11-1454	CAMO-11-4603	GELC
R-44	P1A	895	11/18/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.602	—	—	3.30E-01	mg/L	J	U	11-600	CAMO-11-1276	GELC
R-44	P1A	895	07/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.726	—	—	3.30E-01	mg/L	J	J	10-3702	CAMO-10-22866	GELC

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

Location	Port Name	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	P1A	895	08/05/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.111	—	—	1.50E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0619	—	—	1.50E-02	mg/L	—	U	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.046	—	—	1.50E-02	mg/L	J	U	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.063	—	—	1.50E-02	mg/L	—	U	11-600	CAMO-11-1275	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	—	U	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.6	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.2	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.3	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.5	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.6	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	P1A	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.3	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.5	—	—	1.00E+00	µg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20.9	—	—	1.00E+00	µg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	P1A	895	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.9	—	—	1.50E+01	µg/L	J	J	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	µg/L	J	J	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.6	—	—	1.50E+01	µg/L	J	J	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.9	—	—	1.50E+01	µg/L	J	J	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	µg/L	U	U	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	µg/L	U	U	11-1454	CAMO-11-4603	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.4	—	—	1.50E+01	µg/L	J	J	11-600	CAMO-11-1275	GELC
R-44	P1A	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.2	—	—	1.50E+01	µg/L	J	J	11-600	CAMO-11-1276	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	µg/L	J	J	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.8	—	—	1.50E+01	µg/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	P1A	895	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.6	—	—	2.00E+00	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.6	—	—	2.00E+00	µg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.2	—	—	2.00E+00	µg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.7	—	—	2.00E+00	µg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.2	—	—	2.00E+00	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.7	—	—	2.00E+00	µg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.7	—	—	2.50E+00	µg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	P1A	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.2	—	—	2.50E+00	µg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.3	—	—	2.50E+00	µg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.4	—	—	2.50E+00	µg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	40.8	—	—	3.00E+01	µg/L	J	J	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	39.6	—	—	3.00E+01	µg/L	J	J	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	33.5	—	—	3.00E+01	µg/L	J	J	11-1454	CAMO-11-4603	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-600	CAMO-11-1275	GELC
R-44	P1A	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	62.6	—	—	3.00E+01	µg/L	J	J	11-600	CAMO-11-1276	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	78.7	—	—	3.00E+01	µg/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	P1A	895	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.79	—	—	1.70E-01	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.827	—	—	1.70E-01	µg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.87	—	—	1.70E-01	µg/L	—	J	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.854	—	—	1.70E-01	µg/L	—	J	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.995	—	—	1.70E-01	µg/L	—	J	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.962	—	—	1.70E-01	µg/L	—	J	11-1454	CAMO-11-4603	GELC

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

Location	Port Name	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	P1A	895	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.12	—	—	1.00E-01	µg/L	—	U	11-600	CAMO-11-1275	GELC
R-44	P1A	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.14	—	—	1.00E-01	µg/L	—	U	11-600	CAMO-11-1276	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.962	—	—	1.00E-01	µg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.909	—	—	1.00E-01	µg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	P1A	895	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.03	—	—	5.00E-01	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	µg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.73	—	—	5.00E-01	µg/L	J	J	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.74	—	—	5.00E-01	µg/L	J	J	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.55	—	—	5.00E-01	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.57	—	—	5.00E-01	µg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2.76	—	—	5.00E-01	µg/L	—	U	11-600	CAMO-11-1275	GELC
R-44	P1A	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2.92	—	—	5.00E-01	µg/L	—	U	11-600	CAMO-11-1276	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.96	—	—	5.00E-01	µg/L	J	J	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	µg/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	P1A	895	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68	—	—	5.30E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.9	—	—	5.30E-02	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.7	—	—	5.30E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	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	P1A	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	P1A	895	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.1	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.6	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54.9	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.1	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.7	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.6	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	P1A	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	58.1	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.6	—	—	1.00E+00	µg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.9	—	—	1.00E+00	µg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	P1A	895	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.405	—	—	6.70E-02	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.422	—	—	6.70E-02	µg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.393	—	—	6.70E-02	µg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.399	—	—	6.70E-02	µg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.501	—	—	6.70E-02	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.502	—	—	6.70E-02	µg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.546	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	P1A	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.553	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.491	—	—	5.00E-02	µg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.463	—	—	5.00E-02	µg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	P1A	895	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.17	—	—	1.00E+00	µg/L	J	J	11-3066	CAMO-11-24646	GELC
R-44	P1A	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.63	—	—	1.00E+00	µg/L	J	J	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.95	—	—	1.00E+00	µg/L	J	J	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.32	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.51	—	—	1.00E+00	µg/L	J	J	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.24	—	—	1.00E+00	µg/L	J	J	11-1454	CAMO-11-4603	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.07	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	P1A	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.48	—	—	1.00E+00	µg/L	J	J	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.52	—	—	1.00E+00	µg/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	P1A	895	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.89	—	—	3.30E+00	µg/L	J	J	11-3066	CAMO-11-24646	GELC

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

Location	Port Name	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	P1A	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.08	—	—	3.30E+00	µg/L	J	J	11-3066	CAMO-11-24645	GELC
R-44	P1A	895	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-2471	CAMO-11-10707	GELC
R-44	P1A	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.5	—	—	3.30E+00	µg/L	J	J	11-2471	CAMO-11-10706	GELC
R-44	P1A	895	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.36	—	—	3.30E+00	µg/L	J	J	11-1454	CAMO-11-4602	GELC
R-44	P1A	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.39	—	—	3.30E+00	µg/L	J	J	11-1454	CAMO-11-4603	GELC
R-44	P1A	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.09	—	—	3.30E+00	µg/L	J	J	11-600	CAMO-11-1275	GELC
R-44	P1A	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.19	—	—	3.30E+00	µg/L	J	J	11-600	CAMO-11-1276	GELC
R-44	P1A	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.46	—	—	3.30E+00	µg/L	J	J	10-3703	CAMO-10-22864	GELC
R-44	P1A	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.58	—	—	3.30E+00	µg/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.9	—	—	7.30E-01	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	7.30E-01	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60	—	—	7.30E-01	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	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	P2A	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	P2A	985.3	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	P2A	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	P2A	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	P2A	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	P2A	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	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.28	—	—	6.60E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.25	—	—	6.60E-02	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.32	—	—	6.60E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	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	P2A	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	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.34	—	—	3.30E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.342	—	—	3.30E-02	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.377	—	—	3.30E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	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	P2A	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	P2A	985.3	08/05/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.5	—	—	4.50E-01	mg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.5	—	—	4.50E-01	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	50.6	—	—	4.50E-01	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51	—	—	4.50E-01	mg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	4.50E-01	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	49.6	—	—	4.50E-01	mg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	P2A	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	P2A	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	P2A	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	P2A	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	P2A	985.3	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.11	—	—	1.10E-01	mg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.13	—	—	1.10E-01	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	1.10E-01	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	1.10E-01	mg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	1.10E-01	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	1.10E-01	mg/L	—	—	11-1454	CAMO-11-4605	GELC

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

Location	Port Name	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	P2A	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	P2A	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	P2A	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	P2A	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	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.665	—	—	5.00E-02	mg/L	—	J	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.795	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.545	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0765	—	—	1.00E-02	mg/L	—	U	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.66	—	—	5.00E-02	mg/L	—	J	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.353	—	—	5.00E-02	µg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.334	—	—	5.00E-02	µg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.345	—	—	5.00E-02	µg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.363	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.368	—	—	5.00E-02	µg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.87	—	—	1.00E-02	SU	H	J-	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	J	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	J	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.38	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	P2A	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	P2A	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	P2A	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	P2A	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	P2A	985.3	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	P2A	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	P2A	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	P2A	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	P2A	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	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	147	—	—	1.00E+00	µS/cm	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	147	—	—	1.00E+00	µS/cm	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.92	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.12	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.03	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	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	P2A	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	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	3.40E+00	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	2.40E+00	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	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	P2A	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	P2A	985.3	08/05/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.597	—	—	3.30E-01	mg/L	J	J	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.772	—	—	3.30E-01	mg/L	J	J	11-2471	CAMO-11-10709	GELC

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

Location	Port Name	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	P2A	985.3	02/25/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.06	—	—	3.30E-01	mg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	P2A	985.3	11/18/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.746	—	—	3.30E-01	mg/L	J	U	11-600	CAMO-11-1278	GELC
R-44	P2A	985.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.749	—	—	3.30E-01	mg/L	J	J	10-3702	CAMO-10-22868	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.111	—	—	1.50E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0263	—	—	1.50E-02	mg/L	J	U	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0472	—	—	1.50E-02	mg/L	J	U	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.08	—	—	1.50E-02	mg/L	—	U	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.039	—	—	1.50E-02	mg/L	J	U	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.6	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.9	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.2	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.4	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.8	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.5	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1278	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.2	—	—	1.00E+00	µg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	µg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	P2A	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.50E+01	µg/L	J	J	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.5	—	—	1.50E+01	µg/L	J	J	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	µg/L	J	J	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	1.50E+01	µg/L	J	J	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.50E+01	µg/L	J	J	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	µg/L	U	U	11-1454	CAMO-11-4605	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.1	—	—	1.50E+01	µg/L	J	J	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	µg/L	J	J	11-600	CAMO-11-1278	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	µg/L	J	J	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	µg/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	P2A	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.33	—	—	2.00E+00	µg/L	J	J	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.1	—	—	2.00E+00	µg/L	J	J	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.85	—	—	2.00E+00	µg/L	J	J	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.74	—	—	2.00E+00	µg/L	J	J	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.87	—	—	2.00E+00	µg/L	J	J	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.71	—	—	2.00E+00	µg/L	J	J	11-1454	CAMO-11-4605	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.45	—	—	2.50E+00	µg/L	J	J	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.67	—	—	2.50E+00	µg/L	J	J	11-600	CAMO-11-1278	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.05	—	—	2.50E+00	µg/L	J	J	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.88	—	—	2.50E+00	µg/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	P2A	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.47	—	—	2.00E+00	µg/L	J	J	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.38	—	—	2.00E+00	µg/L	J	J	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.03	—	—	2.00E+00	µg/L	J	J	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.09	—	—	2.00E+00	µg/L	J	J	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.07	—	—	2.00E+00	µg/L	J	J	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.97	—	—	2.00E+00	µg/L	J	J	11-1454	CAMO-11-4605	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.36	—	—	2.00E+00	µg/L	J	J	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.08	—	—	2.00E+00	µg/L	J	J	11-600	CAMO-11-1278	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.51	—	—	2.00E+00	µg/L	J	J	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.61	—	—	2.00E+00	µg/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	P2A	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.761	—	—	1.70E-01	µg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.717	—	—	1.70E-01	µg/L	—	—	11-3066	CAMO-11-24647	GELC

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

Location	Port Name	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	P2A	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.754	—	—	1.70E-01	µg/L	—	U	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.75	—	—	1.70E-01	µg/L	—	U	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.884	—	—	1.70E-01	µg/L	—	U	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.84	—	—	1.70E-01	µg/L	—	U	11-1454	CAMO-11-4605	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.01	—	—	1.00E-01	µg/L	—	U	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.01	—	—	1.00E-01	µg/L	—	U	11-600	CAMO-11-1278	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.817	—	—	1.00E-01	µg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.783	—	—	1.00E-01	µg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	P2A	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.616	—	—	5.00E-01	µg/L	J	J	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.523	—	—	5.00E-01	µg/L	J	J	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.594	—	—	5.00E-01	µg/L	J	J	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.687	—	—	5.00E-01	µg/L	J	J	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.991	—	—	5.00E-01	µg/L	J	J	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.974	—	—	5.00E-01	µg/L	J	J	11-1454	CAMO-11-4605	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.24	—	—	5.00E-01	µg/L	J	U	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.56	—	—	5.00E-01	µg/L	J	U	11-600	CAMO-11-1278	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.848	—	—	5.00E-01	µg/L	J	J	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.819	—	—	5.00E-01	µg/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.1	—	—	5.30E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.2	—	—	5.30E-02	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.7	—	—	5.30E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	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	P2A	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	P2A	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.3	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61.8	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.1	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	66.2	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	63.3	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.4	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.4	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1278	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.7	—	—	1.00E+00	µg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.2	—	—	1.00E+00	µg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	P2A	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	6.70E-02	µg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.483	—	—	6.70E-02	µg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.475	—	—	6.70E-02	µg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.474	—	—	6.70E-02	µg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.634	—	—	6.70E-02	µg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.624	—	—	6.70E-02	µg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.698	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.704	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1278	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.572	—	—	5.00E-02	µg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.548	—	—	5.00E-02	µg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	P2A	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.92	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.71	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.74	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.58	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.54	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.4	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1277	GELC

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

Location	Port Name	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	P2A	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.24	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1278	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.51	—	—	1.00E+00	µg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.56	—	—	1.00E+00	µg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	P2A	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.69	—	—	3.30E+00	µg/L	J	J	11-3066	CAMO-11-24648	GELC
R-44	P2A	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.78	—	—	3.30E+00	µg/L	J	J	11-3066	CAMO-11-24647	GELC
R-44	P2A	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-2471	CAMO-11-10708	GELC
R-44	P2A	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.97	—	—	3.30E+00	µg/L	J	J	11-2471	CAMO-11-10709	GELC
R-44	P2A	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-1454	CAMO-11-4604	GELC
R-44	P2A	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-1454	CAMO-11-4605	GELC
R-44	P2A	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.96	—	—	3.30E+00	µg/L	J	J	11-600	CAMO-11-1277	GELC
R-44	P2A	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.52	—	—	3.30E+00	µg/L	J	J	11-600	CAMO-11-1278	GELC
R-44	P2A	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	10-3703	CAMO-10-22869	GELC
R-44	P2A	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.48	—	—	3.30E+00	µg/L	J	J	10-3703	CAMO-10-22868	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.5	—	—	7.30E-01	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.3	—	—	7.30E-01	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.6	—	—	7.30E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0872	—	—	6.60E-02	mg/L	J	J	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0773	—	—	6.60E-02	mg/L	J	J	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-609	CAMO-11-1280	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	N	J-	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	5.00E-02	mg/L	N	J-	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.1	—	—	5.00E-02	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.1	—	—	5.00E-02	mg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	P1A	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	P1A	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	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.75	—	—	6.60E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.83	—	—	6.60E-02	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.47	—	—	6.60E-02	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.345	—	—	3.30E-02	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.299	—	—	3.30E-02	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.2	—	—	4.50E-01	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.4	—	—	4.50E-01	mg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.1	—	—	4.50E-01	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.6	—	—	4.50E-01	mg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.6	—	—	4.50E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.6	—	—	4.50E-01	mg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.9	—	—	3.50E-01	mg/L	—	—	11-609	CAMO-11-1280	GELC

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

Location	Port Name	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	P1A	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	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.82	—	—	1.10E-01	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.73	—	—	1.10E-01	mg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.79	—	—	1.10E-01	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.02	—	—	1.10E-01	mg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.95	—	—	1.10E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.93	—	—	1.10E-01	mg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	P1A	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	P1A	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	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.17	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.61	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.03	—	—	1.00E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	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	P1A	880	07/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.99	—	—	1.00E-01	mg/L	—	J-	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.547	—	—	5.00E-02	µg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.533	—	—	5.00E-02	µg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.591	—	—	5.00E-02	µg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.498	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.55	—	—	5.00E-02	µg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J-	11-1330	CAMO-11-4606	GELC
R-45	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.06	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.12	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	P1A	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	P1A	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	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	P1A	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	P1A	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	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	µS/cm	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	µS/cm	—	—	11-2493	CAMO-11-10711	GELC

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

Location	Port Name	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	P1A	880	02/10/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	µS/cm	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	µS/cm	—	—	11-609	CAMO-11-1280	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	µS/cm	—	—	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.39	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.91	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.35	—	—	1.00E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	3.40E+00	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	168	—	—	2.40E+00	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.5	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.4	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	µg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	µg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.1	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	P1A	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.8	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.8	—	—	1.00E+00	µg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.7	—	—	1.00E+00	µg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.6	—	—	1.50E+01	µg/L	J	J	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.6	—	—	1.50E+01	µg/L	J	J	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	µg/L	J	J	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	µg/L	J	J	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	µg/L	J	J	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	µg/L	J	J	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	µg/L	J	J	11-609	CAMO-11-1280	GELC
R-45	P1A	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.1	—	—	1.50E+01	µg/L	J	J	11-609	CAMO-11-1279	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.50E+01	µg/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	µg/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.9	—	—	2.00E+00	µg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18	—	—	2.00E+00	µg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.6	—	—	2.00E+00	µg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.2	—	—	2.00E+00	µg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15.8	—	—	2.00E+00	µg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.8	—	—	2.00E+00	µg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.5	—	—	2.50E+00	µg/L	—	J	11-609	CAMO-11-1280	GELC
R-45	P1A	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.6	—	—	2.50E+00	µg/L	—	J	11-609	CAMO-11-1279	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15.4	—	—	2.50E+00	µg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.9	—	—	2.50E+00	µg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.08	—	—	3.00E+00	µg/L	J	J	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-609	CAMO-11-1280	GELC
R-45	P1A	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-609	CAMO-11-1279	GELC

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

Location	Port Name	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	P1A	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.616	—	—	5.00E-01	µg/L	J	J	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-609	CAMO-11-1280	GELC
R-45	P1A	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-609	CAMO-11-1279	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.748	—	—	1.70E-01	µg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.805	—	—	1.70E-01	µg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.882	—	—	1.70E-01	µg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.905	—	—	1.70E-01	µg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.894	—	—	1.70E-01	µg/L	—	U	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.892	—	—	1.70E-01	µg/L	—	U	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.869	—	—	1.00E-01	µg/L	—	J	11-609	CAMO-11-1280	GELC
R-45	P1A	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.939	—	—	1.00E-01	µg/L	—	J	11-609	CAMO-11-1279	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.738	—	—	1.00E-01	µg/L	—	J	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.739	—	—	1.00E-01	µg/L	—	J	10-3567	CAMO-10-22877	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.36	—	—	5.00E-01	µg/L	J	J	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.61	—	—	5.00E-01	µg/L	J	J	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.11	—	—	5.00E-01	µg/L	J	J	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.14	—	—	5.00E-01	µg/L	J	J	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.18	—	—	5.00E-01	µg/L	J	J	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.2	—	—	5.00E-01	µg/L	J	J	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.34	—	—	5.00E-01	µg/L	J	J	11-609	CAMO-11-1280	GELC
R-45	P1A	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.37	—	—	5.00E-01	µg/L	J	J	11-609	CAMO-11-1279	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.906	—	—	5.00E-01	µg/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.906	—	—	5.00E-01	µg/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.2	—	—	5.30E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.8	—	—	5.30E-02	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.1	—	—	5.30E-02	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	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	P1A	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	P1A	880	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	78.1	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	76.8	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.2	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.4	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	78.9	—	—	1.00E+00	µg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79	—	—	1.00E+00	µg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	74.9	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	P1A	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.6	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.5	—	—	1.00E+00	µg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.3	—	—	1.00E+00	µg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.896	—	—	6.70E-02	µg/L	—	J	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.89	—	—	6.70E-02	µg/L	—	J	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.782	—	—	6.70E-02	µg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.788	—	—	6.70E-02	µg/L	—	—	11-2493	CAMO-11-10710	GELC

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

Location	Port Name	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	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.884	—	—	6.70E-02	µg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.836	—	—	6.70E-02	µg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.69	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	P1A	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.71	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.86	—	—	5.00E-02	µg/L	—	J	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.876	—	—	5.00E-02	µg/L	—	J	10-3567	CAMO-10-22877	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.41	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.24	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.93	—	—	1.00E+00	µg/L	J	J	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.19	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.07	—	—	1.00E+00	µg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.4	—	—	1.00E+00	µg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.59	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	P1A	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.67	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.71	—	—	1.00E+00	µg/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.79	—	—	1.00E+00	µg/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	P1A	880	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.47	—	—	3.30E+00	µg/L	J	J	11-2990	CAMO-11-24641	GELC
R-45	P1A	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.38	—	—	3.30E+00	µg/L	J	J	11-2990	CAMO-11-24642	GELC
R-45	P1A	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.91	—	—	3.30E+00	µg/L	J	J	11-2493	CAMO-11-10711	GELC
R-45	P1A	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.83	—	—	3.30E+00	µg/L	J	J	11-2493	CAMO-11-10710	GELC
R-45	P1A	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.52	—	—	3.30E+00	µg/L	J	J	11-1330	CAMO-11-4606	GELC
R-45	P1A	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.9	—	—	3.30E+00	µg/L	J	J	11-1330	CAMO-11-4607	GELC
R-45	P1A	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.4	—	—	3.30E+00	µg/L	J	J	11-609	CAMO-11-1280	GELC
R-45	P1A	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.58	—	—	3.30E+00	µg/L	J	J	11-609	CAMO-11-1279	GELC
R-45	P1A	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.51	—	—	3.30E+00	µg/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	P1A	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.89	—	—	3.30E+00	µg/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.9	—	—	7.30E-01	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.1	—	—	7.30E-01	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.6	—	—	7.30E-01	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.4	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.2	—	—	5.00E-02	mg/L	N	J-	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	N	J-	11-2493	CAMO-11-10713	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	P2A	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	P2A	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	P2A	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.34	—	—	6.60E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.36	—	—	6.60E-02	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.21	—	—	6.60E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.373	—	—	3.30E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.413	—	—	3.30E-02	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.338	—	—	3.30E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	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 Name	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.9	—	—	4.50E-01	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	4.50E-01	mg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60	—	—	4.50E-01	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.6	—	—	4.50E-01	mg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.7	—	—	4.50E-01	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.9	—	—	4.50E-01	mg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	P2A	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	P2A	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	P2A	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.59	—	—	1.10E-01	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.76	—	—	1.10E-01	mg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.72	—	—	1.10E-01	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	1.10E-01	mg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5	—	—	1.10E-01	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.84	—	—	1.10E-01	mg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	P2A	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	P2A	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	P2A	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.65	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.85	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.555	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.337	—	—	5.00E-02	mg/L	—	U	11-609	CAMO-11-1281	GELC
R-45	P2A	974.9	07/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.575	—	—	5.00E-02	mg/L	—	J-	10-3567	CAMO-10-22873	GELC
R-45	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.403	—	—	5.00E-02	µg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.388	—	—	5.00E-02	µg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.396	—	—	5.00E-02	µg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	11/19/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.35	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	P2A	974.9	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.378	—	—	5.00E-02	µg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.07	—	—	1.00E-02	SU	H	J-	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.01	—	—	1.00E-02	SU	H	J-	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	11-1338	CAMO-11-4608	GELC
R-45	P2A	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.41	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.12	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.07	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	P2A	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	P2A	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	P2A	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10713	GELC

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

Location	Port Name	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	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	1.00E-01	mg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	P2A	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	P2A	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	P2A	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	161	—	—	1.00E+00	µS/cm	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00E+00	µS/cm	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	µS/cm	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	µS/cm	—	—	11-609	CAMO-11-1281	GELC
R-45	P2A	974.9	07/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	µS/cm	—	—	10-3567	CAMO-10-22873	GELC
R-45	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.21	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.4	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.46	—	—	1.00E-01	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	3.40E+00	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.5	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.3	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.3	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.5	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.9	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.7	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	P2A	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.4	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	P2A	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.7	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	P2A	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.6	—	—	1.00E+00	µg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	P2A	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	µg/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	P2A	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.9	—	—	1.50E+01	µg/L	J	J	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	µg/L	J	J	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.50E+01	µg/L	J	J	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.6	—	—	1.50E+01	µg/L	J	J	11-2493	CAMO-11-10713	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	µg/L	J	J	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19	—	—	1.50E+01	µg/L	J	J	11-1338	CAMO-11-4609	GELC
R-45	P2A	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	µg/L	J	J	11-609	CAMO-11-1281	GELC
R-45	P2A	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	µg/L	J	J	11-609	CAMO-11-1282	GELC
R-45	P2A	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.7	—	—	1.50E+01	µg/L	J	J	10-3567	CAMO-10-22873	GELC
R-45	P2A	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	µg/L	J	J	10-3567	CAMO-10-22874	GELC
R-45	P2A	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.91	—	—	2.00E+00	µg/L	J	J	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.11	—	—	2.00E+00	µg/L	J	J	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.91	—	—	2.00E+00	µg/L	J	J	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.89	—	—	2.00E+00	µg/L	J	J	11-2493	CAMO-11-10713	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.22	—	—	2.00E+00	µg/L	J	J	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.05	—	—	2.00E+00	µg/L	J	J	11-1338	CAMO-11-4609	GELC
R-45	P2A	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10.8	—	—	2.50E+00	µg/L	—	U	11-609	CAMO-11-1281	GELC
R-45	P2A	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	11.3	—	—	2.50E+00	µg/L	—	U	11-609	CAMO-11-1282	GELC
R-45	P2A	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.9	—	—	2.50E+00	µg/L	—	—	10-3567	CAMO-10-22873	GELC

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

Location	Port Name	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	P2A	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.1	—	—	2.50E+00	µg/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	P2A	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.802	—	—	1.70E-01	µg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.794	—	—	1.70E-01	µg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.919	—	—	1.70E-01	µg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.989	—	—	1.70E-01	µg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.02	—	—	1.70E-01	µg/L	—	J	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.70E-01	µg/L	—	J	11-1338	CAMO-11-4609	GELC
R-45	P2A	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.943	—	—	1.00E-01	µg/L	—	J	11-609	CAMO-11-1281	GELC
R-45	P2A	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.945	—	—	1.00E-01	µg/L	—	J	11-609	CAMO-11-1282	GELC
R-45	P2A	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.935	—	—	1.00E-01	µg/L	—	J	10-3567	CAMO-10-22873	GELC
R-45	P2A	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.806	—	—	1.00E-01	µg/L	—	J	10-3567	CAMO-10-22874	GELC
R-45	P2A	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.85	—	—	5.00E-01	µg/L	J	J	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.78	—	—	5.00E-01	µg/L	J	J	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	5.00E-01	µg/L	J	J	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.34	—	—	5.00E-01	µg/L	J	J	11-2493	CAMO-11-10713	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.79	—	—	5.00E-01	µg/L	J	J	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	µg/L	J	J	11-1338	CAMO-11-4609	GELC
R-45	P2A	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.94	—	—	5.00E-01	µg/L	J	J	11-609	CAMO-11-1281	GELC
R-45	P2A	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.77	—	—	5.00E-01	µg/L	J	J	11-609	CAMO-11-1282	GELC
R-45	P2A	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.743	—	—	5.00E-01	µg/L	J	J	10-3567	CAMO-10-22873	GELC
R-45	P2A	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.677	—	—	5.00E-01	µg/L	J	J	10-3567	CAMO-10-22874	GELC
R-45	P2A	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	5.30E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69	—	—	5.30E-02	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.5	—	—	5.30E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	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	P2A	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	P2A	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	70.5	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	73.6	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.8	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.7	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	78	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	76.2	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	P2A	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.5	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	P2A	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.9	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	P2A	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	74.7	—	—	1.00E+00	µg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	P2A	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.3	—	—	1.00E+00	µg/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	P2A	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.766	—	—	6.70E-02	µg/L	—	J	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.736	—	—	6.70E-02	µg/L	—	J	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.661	—	—	6.70E-02	µg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.682	—	—	6.70E-02	µg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	P2A	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.748	—	—	6.70E-02	µg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.768	—	—	6.70E-02	µg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	P2A	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.609	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	P2A	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.623	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	P2A	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.769	—	—	5.00E-02	µg/L	—	U	10-3567	CAMO-10-22873	GELC
R-45	P2A	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.744	—	—	5.00E-02	µg/L	—	U	10-3567	CAMO-10-22874	GELC
R-45	P2A	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.86	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	P2A	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.88	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	P2A	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.34	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	P2A	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.44	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10713	GELC

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

Location	Port Name	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	P2A	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.46	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	P2A	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.54	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	P2A	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	P2A	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.89	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	P2A	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.68	—	—	1.00E+00	µg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	P2A	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.45	—	—	1.00E+00	µg/L	—	—	10-3567	CAMO-10-22874	GELC
R-46	Single	1340	08/03/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	530	—	—	7.30E-01	mg/L	—	—	11-3027	CAMO-11-24658	GELC
R-46	Single	1340	05/17/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.4	—	—	7.30E-01	mg/L	—	—	11-2424	CAMO-11-10731	GELC
R-46	Single	1340	02/17/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55	—	—	7.30E-01	mg/L	—	—	11-1384	CAMO-11-4625	GELC
R-46	Single	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	Single	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	Single	1340	08/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.73	—	—	6.60E-02	mg/L	—	—	11-3027	CAMO-11-24658	GELC
R-46	Single	1340	05/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.82	—	—	6.60E-02	mg/L	—	—	11-2424	CAMO-11-10731	GELC
R-46	Single	1340	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.73	—	—	6.60E-02	mg/L	—	J+	11-1384	CAMO-11-4625	GELC
R-46	Single	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
R-46	Single	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	Single	1340	08/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.156	—	—	3.30E-02	mg/L	—	—	11-3027	CAMO-11-24658	GELC
R-46	Single	1340	05/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.188	—	—	3.30E-02	mg/L	—	—	11-2424	CAMO-11-10731	GELC
R-46	Single	1340	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.162	—	—	3.30E-02	mg/L	—	—	11-1384	CAMO-11-4625	GELC
R-46	Single	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	Single	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	Single	1340	08/03/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.345	—	—	5.00E-02	µg/L	—	—	11-3027	CAMO-11-24658	GELC
R-46	Single	1340	05/17/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.306	—	—	5.00E-02	µg/L	—	—	11-2424	CAMO-11-10731	GELC
R-46	Single	1340	02/17/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.328	—	—	5.00E-02	µg/L	—	—	11-1384	CAMO-11-4625	GELC
R-46	Single	1340	11/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.297	—	—	5.00E-02	µg/L	—	—	11-507	CAMO-11-1284	GELC
R-46	Single	1340	07/01/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.329	—	—	5.00E-02	µg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	Single	1340	08/03/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.57	—	—	1.00E-02	SU	H	J-	11-3027	CAMO-11-24658	GELC
R-46	Single	1340	05/17/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J-	11-2424	CAMO-11-10731	GELC
R-46	Single	1340	02/17/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	1.00E-02	SU	H	J-	11-1384	CAMO-11-4625	GELC
R-46	Single	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	Single	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	Single	1340	08/03/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	118	—	—	1.00E+00	µS/cm	—	—	11-3027	CAMO-11-24658	GELC
R-46	Single	1340	05/17/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	120	—	—	1.00E+00	µS/cm	—	—	11-2424	CAMO-11-10731	GELC
R-46	Single	1340	02/17/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	117	—	—	1.00E+00	µS/cm	—	—	11-1384	CAMO-11-4625	GELC
R-46	Single	1340	11/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	121	—	—	1.00E+00	µS/cm	—	—	11-507	CAMO-11-1284	GELC
R-46	Single	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	122	—	—	1.00E+00	µS/cm	—	—	10-3544	CAMO-10-22888	GELC
R-46	Single	1340	08/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.81	—	—	1.00E-01	mg/L	—	J+	11-3027	CAMO-11-24658	GELC
R-46	Single	1340	05/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.11	—	—	1.00E-01	mg/L	—	—	11-2424	CAMO-11-10731	GELC
R-46	Single	1340	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.04	—	—	1.00E-01	mg/L	—	J+	11-1384	CAMO-11-4625	GELC
R-46	Single	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	Single	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	Single	1340	08/03/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	137	—	—	3.40E+00	mg/L	—	—	11-3027	CAMO-11-24658	GELC
R-46	Single	1340	05/17/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	2.40E+00	mg/L	—	—	11-2424	CAMO-11-10731	GELC
R-46	Single	1340	02/17/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	—	11-1384	CAMO-11-4625	GELC
R-46	Single	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	Single	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	Single	1340	08/03/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.902	—	—	3.30E-01	mg/L	J	J	11-3026	CAMO-11-24656	GELC
R-46	Single	1340	05/17/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.15	—	—	3.30E-01	mg/L	—	—	11-2424	CAMO-11-10733	GELC
R-46	Single	1340	02/17/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.37	—	—	3.30E-01	mg/L	—	—	11-1384	CAMO-11-4623	GELC
R-46	Single	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

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

Location	Port Name	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	Single	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	Single	1340	08/03/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.6	—	—	5.30E-02	mg/L	—	—	11-3027	CAMO-11-24658	GELC
R-46	Single	1340	05/17/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.3	—	—	5.30E-02	mg/L	—	—	11-2424	CAMO-11-10731	GELC
R-46	Single	1340	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.6	—	—	5.30E-02	mg/L	—	—	11-1384	CAMO-11-4625	GELC
R-46	Single	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	Single	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-50	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.2	—	—	7.30E-01	mg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.2	—	—	7.30E-01	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.9	—	—	7.30E-01	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.5	—	—	7.30E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	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	P1A	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	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0285	—	—	1.60E-02	mg/L	J	J	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0206	—	—	1.60E-02	mg/L	J	J	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.023	—	—	1.60E-02	mg/L	J	J-	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	14.4	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.1	—	—	5.00E-02	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	5.00E-02	mg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	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	P1A	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	P1A	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	P1A	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	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	6.32	—	—	6.60E-02	mg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.31	—	—	6.60E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.94	—	—	6.60E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.62	—	—	6.60E-02	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	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	P1A	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	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.334	—	—	3.30E-02	mg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.331	—	—	3.30E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.331	—	—	3.30E-02	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	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	P1A	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	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	52.5	—	—	4.50E-01	mg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.9	—	—	4.50E-01	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	54.6	—	—	4.50E-01	mg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.9	—	—	4.50E-01	mg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.1	—	—	4.50E-01	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.6	—	—	4.50E-01	mg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.1	—	—	4.50E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.4	—	—	4.50E-01	mg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.8	—	—	3.50E-01	mg/L	—	—	11-563	CAMO-11-1313	GELC

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

Location	Port Name	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	P1A	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	P1A	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	P1A	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	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.29	—	—	1.10E-01	mg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.41	—	—	1.10E-01	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.56	—	—	1.10E-01	mg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.4	—	—	1.10E-01	mg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.54	—	—	1.10E-01	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.71	—	—	1.10E-01	mg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.36	—	—	1.10E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.52	—	—	1.10E-01	mg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	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	P1A	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	P1A	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	P1A	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	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.4	—	—	5.00E-02	mg/L	—	J	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.28	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.46	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.42	—	—	1.00E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	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	P1A	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	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.506	—	—	5.00E-02	µg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.488	—	—	5.00E-02	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.565	—	—	5.00E-02	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.557	—	—	5.00E-02	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.53	—	—	5.00E-02	µg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.418	—	—	5.00E-02	µg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J-	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.47	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	J	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	J	11-1433	CAMO-11-4611	GELC
R-50	P1A	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	P1A	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	P1A	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	P1A	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	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	1.00E-01	mg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	1.00E-01	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	1.00E-01	mg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.6	—	—	1.00E-01	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	1.00E-01	mg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	1.00E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	11-1433	CAMO-11-4611	GELC

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

Location	Port Name	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	P1A	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	P1A	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	P1A	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	P1A	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	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00E+00	µS/cm	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	µS/cm	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	µS/cm	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	9.97	—	—	1.00E-01	mg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.9	—	—	1.00E-01	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.9	—	—	1.00E-01	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12	—	—	1.00E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	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	P1A	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	P1A	1077	08/04/11	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	154	—	—	3.40E+00	mg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	3.40E+00	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	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
R-50	P1A	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	P1A	1077	08/04/11	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.518	—	—	3.30E-01	mg/L	J	J	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.54	—	—	3.30E-01	mg/L	J	J	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.46	—	—	3.30E-01	mg/L	—	J	11-2547	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.24	—	—	3.30E-01	mg/L	—	—	11-1432	CAMO-11-4611	GELC
R-50	P1A	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	P1A	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	P1A	1077	08/04/11	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	1.9	—	—	1.70E+00	µg/L	J	J	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.76	—	—	1.50E+00	µg/L	J	J	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	16.7	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.5	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	17.1	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.5	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	17.2	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.2	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.1	—	—	1.00E+00	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	17.6	—	—	1.00E+00	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	17.7	—	—	1.00E+00	µg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.3	—	—	1.00E+00	µg/L	—	—	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.1	—	—	1.00E+00	µg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.3	—	—	1.00E+00	µg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	18.9	—	—	1.50E+01	µg/L	J	J	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	µg/L	J	J	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.50E+01	µg/L	J	J	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	µg/L	J	J	11-3042	CAMO-11-24673	GELC

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

Location	Port Name	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	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.3	—	—	1.50E+01	µg/L	J	J	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.4	—	—	1.50E+01	µg/L	J	J	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.1	—	—	1.50E+01	µg/L	J	J	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	59.2	—	—	1.50E+01	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.1	—	—	1.50E+01	µg/L	J	J	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	µg/L	J	J	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20	—	—	1.50E+01	µg/L	J	J	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	µg/L	J	J	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	69.5	—	—	2.00E+00	µg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	71.2	—	—	2.00E+00	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	71.8	—	—	2.00E+00	µg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	71.9	—	—	2.00E+00	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	81	—	—	2.00E+00	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	82.8	—	—	2.00E+00	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	78.8	—	—	2.00E+00	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	81.1	—	—	2.00E+00	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	67	—	—	2.50E+00	µg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	66.1	—	—	2.50E+00	µg/L	—	—	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	55.2	—	—	2.50E+00	µg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	56.2	—	—	2.50E+00	µg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Metals	SW-846:6010B	Iron	—	30.8	—	—	3.00E+01	µg/L	J	J	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	39.2	—	—	3.00E+01	µg/L	J	J	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	55.8	—	—	3.00E+01	µg/L	J	J	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	59	—	—	3.00E+01	µg/L	J	J	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	48.7	—	—	3.00E+01	µg/L	J	J	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	67.1	—	—	3.00E+01	µg/L	J	J	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	71.1	—	—	3.00E+01	µg/L	J	J	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	91.5	—	—	3.00E+01	µg/L	J	J	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	44.1	—	—	3.00E+01	µg/L	J	J	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	111	—	—	3.00E+01	µg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	3.29	—	—	1.70E-01	µg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.18	—	—	1.70E-01	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	3.15	—	—	1.70E-01	µg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.11	—	—	1.70E-01	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.46	—	—	1.70E-01	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.28	—	—	1.70E-01	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.84	—	—	1.70E-01	µg/L	—	J	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.84	—	—	1.70E-01	µg/L	—	J	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.37	—	—	1.00E-01	µg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.51	—	—	1.00E-01	µg/L	—	—	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	6.39	—	—	1.00E-01	µg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	6.4	—	—	1.00E-01	µg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	2.51	—	—	5.00E-01	µg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.66	—	—	5.00E-01	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	2.57	—	—	5.00E-01	µg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.62	—	—	5.00E-01	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.59	—	—	5.00E-01	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.37	—	—	5.00E-01	µg/L	—	—	11-2548	CAMO-11-10720	GELC

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

Location	Port Name	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	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.3	—	—	5.00E-01	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.5	—	—	5.00E-01	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.94	—	—	5.00E-01	µg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.09	—	—	5.00E-01	µg/L	—	—	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.27	—	—	5.00E-01	µg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.26	—	—	5.00E-01	µg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	68.3	—	—	5.30E-02	mg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.5	—	—	5.30E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.6	—	—	5.30E-02	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	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	P1A	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	P1A	1077	08/04/11	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	54.5	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.2	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	57.2	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.6	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.1	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.4	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.7	—	—	1.00E+00	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.5	—	—	1.00E+00	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.7	—	—	1.00E+00	µg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55	—	—	1.00E+00	µg/L	—	—	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	µg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.2	—	—	1.00E+00	µg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.638	—	—	6.70E-02	µg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.591	—	—	6.70E-02	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.589	—	—	6.70E-02	µg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.603	—	—	6.70E-02	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.58	—	—	6.70E-02	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.609	—	—	6.70E-02	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.695	—	—	6.70E-02	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.743	—	—	6.70E-02	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.609	—	—	5.00E-02	µg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.637	—	—	5.00E-02	µg/L	—	—	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.751	—	—	5.00E-02	µg/L	—	U	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.846	—	—	5.00E-02	µg/L	—	J	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	4.51	—	—	1.00E+00	µg/L	J	J	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.75	—	—	1.00E+00	µg/L	J	J	11-3042	CAMO-11-24671	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	4.98	—	—	1.00E+00	µg/L	J	J	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.95	—	—	1.00E+00	µg/L	J	J	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.35	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.87	—	—	1.00E+00	µg/L	J	J	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.24	—	—	1.00E+00	µg/L	J	J	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.31	—	—	1.00E+00	µg/L	J	J	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.38	—	—	1.00E+00	µg/L	J	J	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.67	—	—	1.00E+00	µg/L	J	J	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.61	—	—	1.00E+00	µg/L	J	J	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.39	—	—	1.00E+00	µg/L	J	J	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	12.5	—	—	3.30E+00	µg/L	—	—	11-3042	CAMO-11-24676	GELC
R-50	P1A	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.6	—	—	3.30E+00	µg/L	—	—	11-3042	CAMO-11-24671	GELC

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

Location	Port Name	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	P1A	1077	08/04/11	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	15	—	—	3.30E+00	µg/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.7	—	—	3.30E+00	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28.2	—	—	3.30E+00	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	35.7	—	—	3.30E+00	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	39.6	—	—	3.30E+00	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	47.3	—	—	3.30E+00	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	118	—	—	3.30E+00	µg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	135	—	—	3.30E+00	µg/L	—	—	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	197	—	—	3.30E+00	µg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	191	—	—	3.30E+00	µg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.006	3.50E-03	1.50E-02	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00616	3.60E-03	1.50E-02	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-21.1	1.90E+01	5.90E+01	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0157	5.30E-03	2.40E-02	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000769	2.90E-03	2.70E-02	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00178	3.00E-03	3.00E-02	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0125	7.00E-03	3.70E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	0.989	1.60E+00	5.40E+00	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.64	1.60E+00	5.20E+00	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.7	1.60E+00	5.80E+00	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.283	1.30E+00	4.20E+00	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.47	9.40E-01	3.10E+00	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.51	2.10E+00	6.20E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.742	1.10E+00	4.10E+00	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.39	1.70E+00	5.90E+00	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.981	1.70E+00	5.80E+00	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0178	1.50E+00	4.80E+00	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.9	1.20E+00	4.30E+00	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.37	2.00E+00	5.40E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.37	7.40E-01	2.10E+00	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.829	6.90E-01	2.20E+00	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.1	7.20E-01	2.30E+00	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.7	6.20E-01	2.30E+00	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.66	9.70E-01	2.90E+00	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.313	7.20E-01	2.70E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	1.95	8.70E-01	2.60E+00	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.57	7.00E-01	2.10E+00	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.254	6.90E-01	2.70E+00	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.3	7.30E-01	2.30E+00	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.68	8.70E-01	2.40E+00	—	pCi/L	—	—	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.151	7.00E-01	2.60E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-3.97	2.90E+00	9.00E+00	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.45	2.30E+00	7.60E+00	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.12	2.70E+00	9.70E+00	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.88	2.10E+00	7.10E+00	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.23	2.70E+00	9.40E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.32	3.30E+00	1.10E+01	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.0056	5.60E-03	4.80E-02	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0113	5.60E-03	3.90E-02	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00429	4.30E-03	2.60E-02	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC

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

Location	Port Name	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	P1A	1077	02/23/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00232	4.00E-03	2.90E-02	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	4.80E-03	2.70E-02	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00622	1.00E-02	2.80E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	6.67E-10	6.90E-03	6.90E-02	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00227	3.90E-03	5.60E-02	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00214	8.30E-03	3.90E-02	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00464	5.70E-03	4.30E-02	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00237	7.10E-03	4.90E-02	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	4.10E-03	2.80E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-19	2.10E+01	7.00E+01	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-53.1	2.40E+01	5.80E+01	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.32	2.00E+01	6.70E+01	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6.04	1.70E+01	6.00E+01	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.97	1.60E+01	3.10E+01	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.995	1.60E+01	5.30E+01	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	0.253	1.30E+00	4.50E+00	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.19	1.50E+00	4.40E+00	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.204	1.50E+00	5.10E+00	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.35	1.40E+00	4.90E+00	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.53	9.70E-01	2.80E+00	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.324	1.80E+00	5.70E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.265	1.40E-01	5.30E-01	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0124	1.50E-01	5.20E-01	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.161	1.50E-01	5.00E-01	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0982	1.40E-01	5.10E-01	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.216	1.20E-01	4.90E-01	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.047	1.20E-01	4.60E-01	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.431	4.40E-02	4.50E-02	—	pCi/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.484	5.00E-02	5.60E-02	—	pCi/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.509	5.10E-02	6.50E-02	—	pCi/L	—	—	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.403	4.50E-02	6.10E-02	—	pCi/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.416	4.60E-02	5.90E-02	—	pCi/L	—	—	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.524	5.50E-02	7.90E-02	—	pCi/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.011	7.80E-03	2.80E-02	—	pCi/L	U	U	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0134	6.80E-03	3.40E-02	—	pCi/L	U	U	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.032	1.10E-02	3.70E-02	—	pCi/L	U	U	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0213	1.00E-02	3.90E-02	—	pCi/L	U	U	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0138	7.00E-03	3.90E-02	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0303	1.20E-02	4.70E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.195	2.60E-02	3.50E-02	—	pCi/L	—	—	11-3042	CAMO-11-24675	GELC
R-50	P1A	1077	08/04/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.193	2.70E-02	4.30E-02	—	pCi/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	P1A	1077	05/25/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.181	2.70E-02	2.90E-02	—	pCi/L	—	—	11-2549	CAMO-11-10720	GELC
R-50	P1A	1077	02/23/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.219	3.00E-02	4.20E-02	—	pCi/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	P1A	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.21	2.90E-02	3.90E-02	—	pCi/L	—	—	11-563	CAMO-11-1312	GELC
R-50	P1A	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.266	3.40E-02	5.50E-02	—	pCi/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.8	—	—	7.30E-01	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.5	—	—	7.30E-01	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.5	—	—	7.30E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	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	P2A	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

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

Location	Port Name	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	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	5.00E-02	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	5.00E-02	mg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	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	P2A	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	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.07	—	—	6.60E-02	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.08	—	—	6.60E-02	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	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	P2A	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	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.363	—	—	3.30E-02	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.429	—	—	3.30E-02	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.399	—	—	3.30E-02	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	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	P2A	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	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.3	—	—	4.50E-01	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.5	—	—	4.50E-01	mg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.6	—	—	4.50E-01	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.5	—	—	4.50E-01	mg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.4	—	—	4.50E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.8	—	—	4.50E-01	mg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	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	P2A	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	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.19	—	—	1.10E-01	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	1.10E-01	mg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.72	—	—	1.10E-01	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.89	—	—	1.10E-01	mg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	1.10E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	1.10E-01	mg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	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	P2A	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	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.53	—	—	5.00E-02	mg/L	—	J	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.56	—	—	5.00E-02	mg/L	—	J+	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.648	—	—	1.00E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	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	P2A	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	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.331	—	—	5.00E-02	µg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.342	—	—	5.00E-02	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.332	—	—	5.00E-02	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.331	—	—	5.00E-02	µg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.324	—	—	5.00E-02	µg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.87	—	—	1.00E-02	SU	H	J-	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.47	—	—	5.00E-02	mg/L	—	J	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	J	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	11-2527	CAMO-11-10726	GELC

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

Location	Port Name	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	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	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	P2A	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	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	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	P2A	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	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	µS/cm	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00E+00	µS/cm	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.62	—	—	1.00E-01	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.76	—	—	1.00E-01	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.76	—	—	1.00E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	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	P2A	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	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	3.40E+00	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	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	P2A	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	P2A	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.129	—	—	1.50E-02	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0873	—	—	1.50E-02	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.06	—	—	1.50E-02	mg/L	—	U	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.066	—	—	1.50E-02	mg/L	—	U	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.045	—	—	1.50E-02	mg/L	J	U	10-3563	CAMO-10-22906	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.7	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.7	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.3	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.3	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.5	—	—	1.00E+00	µg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.5	—	—	1.00E+00	µg/L	—	—	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.5	—	—	1.50E+01	µg/L	J	J	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.8	—	—	1.50E+01	µg/L	J	J	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	µg/L	U	U	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	µg/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.7	—	—	1.50E+01	µg/L	J	J	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.9	—	—	1.50E+01	µg/L	J	J	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	µg/L	J	J	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	µg/L	J	J	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.09	—	—	2.00E+00	µg/L	J	J	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.11	—	—	2.00E+00	µg/L	J	J	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00E+00	µg/L	U	U	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00E+00	µg/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.83	—	—	2.00E+00	µg/L	J	J	11-1440	CAMO-11-4618	GELC

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

Location	Port Name	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	P2A	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.98	—	—	2.00E+00	µg/L	J	J	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.01	—	—	2.50E+00	µg/L	J	J	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.2	—	—	2.50E+00	µg/L	J	J	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	51.1	—	—	3.00E+01	µg/L	J	J	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	63.2	—	—	3.00E+01	µg/L	J	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	47.2	—	—	3.00E+01	µg/L	J	J	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	132	—	—	3.00E+01	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	32.4	—	—	3.00E+01	µg/L	J	J	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	108	—	—	3.00E+01	µg/L	—	—	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.70E-01	µg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.70E-01	µg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.48	—	—	1.70E-01	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.49	—	—	1.70E-01	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	1.70E-01	µg/L	—	J	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	1.70E-01	µg/L	—	J	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.75	—	—	1.00E-01	µg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.73	—	—	1.00E-01	µg/L	—	—	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.75	—	—	5.00E-01	µg/L	J	J	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.72	—	—	5.00E-01	µg/L	J	J	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.03	—	—	5.00E-01	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.07	—	—	5.00E-01	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.38	—	—	5.00E-01	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.86	—	—	5.00E-01	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.26	—	—	5.00E-01	µg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.31	—	—	5.00E-01	µg/L	—	—	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.6	—	—	5.30E-02	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.4	—	—	5.30E-02	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.9	—	—	5.30E-02	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	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	P2A	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	P2A	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.9	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54.6	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.1	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.9	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.7	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.9	—	—	1.00E+00	µg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	58.1	—	—	1.00E+00	µg/L	—	—	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.582	—	—	6.70E-02	µg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.642	—	—	6.70E-02	µg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.739	—	—	6.70E-02	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.783	—	—	6.70E-02	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.75	—	—	6.70E-02	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.759	—	—	6.70E-02	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.737	—	—	5.00E-02	µg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.783	—	—	5.00E-02	µg/L	—	—	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.41	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.35	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.83	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10727	GELC

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

Location	Port Name	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	P2A	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.97	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.54	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.52	—	—	1.00E+00	µg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.72	—	—	1.00E+00	µg/L	—	—	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.36	—	—	3.30E+00	µg/L	J	J	11-3082	CAMO-11-24680	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.81	—	—	3.30E+00	µg/L	J	J	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.56	—	—	3.30E+00	µg/L	J	J	11-2527	CAMO-11-10727	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.64	—	—	3.30E+00	µg/L	J	J	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.53	—	—	3.30E+00	µg/L	J	J	11-1440	CAMO-11-4618	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.62	—	—	3.30E+00	µg/L	J	J	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.05	—	—	3.30E+00	µg/L	J	J	11-563	CAMO-11-1315	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.67	—	—	3.30E+00	µg/L	J	J	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00554	4.10E-03	1.40E-02	—	pCi/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-0.456	3.10E+00	8.90E+00	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0019	3.30E-03	3.90E-02	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00828	3.60E-03	2.60E-02	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00662	3.70E-03	3.00E-02	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000869	3.40E-03	4.60E-02	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-5.65	2.90E+00	7.20E+00	—	pCi/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.5	1.80E+00	6.30E+00	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.468	1.60E+00	5.50E+00	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.06	1.90E+00	6.60E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.921	1.60E+00	5.20E+00	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.52	2.10E+00	5.00E+00	—	pCi/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.63	1.40E+00	2.10E+00	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.41	1.80E+00	5.10E+00	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0695	1.30E+00	4.40E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.35	1.50E+00	3.90E+00	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.497	7.90E-01	3.00E+00	—	pCi/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.562	6.20E-01	2.30E+00	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.8	7.80E-01	1.80E+00	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.165	6.60E-01	2.80E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.3	1.50E+00	3.00E+00	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.36	8.90E-01	2.90E+00	—	pCi/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.58	9.40E-01	2.80E+00	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.137	6.30E-01	2.40E+00	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.12	6.80E-01	2.20E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.47	1.10E+00	2.90E+00	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.2	2.10E+00	7.00E+00	—	pCi/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.1	3.30E+00	1.00E+01	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.06	2.00E+00	6.90E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.53	3.20E+00	1.00E+01	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.41	3.10E+00	9.30E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	9.41E-10	7.90E-03	3.40E-02	—	pCi/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00193	1.90E-03	2.30E-02	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00361	8.90E-03	2.30E-02	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.20E-03	2.60E-02	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00391	1.50E-02	5.20E-02	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0118	5.60E-03	4.80E-02	—	pCi/L	U	U	11-3082	CAMO-11-24679	GELC

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

Location	Port Name	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	P2A	1185	05/24/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0077	4.70E-03	3.50E-02	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00181	4.80E-03	3.40E-02	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	2.65E-10	4.40E-03	4.60E-02	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.10E-02	5.30E-02	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.4	2.20E+01	6.00E+01	—	pCi/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.3	2.10E+01	6.30E+01	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	41.6	2.10E+01	7.90E+01	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.3	1.80E+01	6.40E+01	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.1	1.90E+01	6.90E+01	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.22	1.30E+00	4.40E+00	—	pCi/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.45	1.90E+00	5.60E+00	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.338	1.60E+00	5.30E+00	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.201	1.10E+00	3.60E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.06	1.30E+00	4.70E+00	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0159	1.50E-01	5.20E-01	—	pCi/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.168	1.30E-01	4.80E-01	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.12	1.40E-01	5.00E-01	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.15	1.40E-01	5.00E-01	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0766	1.30E-01	4.70E-01	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.51	4.80E-02	4.10E-02	—	pCi/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.528	5.40E-02	7.20E-02	—	pCi/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.468	4.80E-02	5.00E-02	—	pCi/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.599	5.70E-02	5.20E-02	—	pCi/L	—	—	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.28	1.00E-01	4.80E-02	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0296	8.80E-03	2.50E-02	—	pCi/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0172	9.20E-03	5.50E-02	—	pCi/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0125	6.30E-03	3.70E-02	—	pCi/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0182	7.60E-03	3.40E-02	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0716	1.40E-02	2.90E-02	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	P2A	1185	08/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.201	2.50E-02	3.20E-02	—	pCi/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	P2A	1185	05/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.272	3.40E-02	3.80E-02	—	pCi/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	P2A	1185	02/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.177	2.50E-02	3.60E-02	—	pCi/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	P2A	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.251	3.10E-02	3.40E-02	—	pCi/L	—	—	11-563	CAMO-11-1316	GELC
R-50	P2A	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.76	6.50E-02	3.30E-02	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.7	—	—	7.30E-01	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.2	—	—	7.30E-01	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.4	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.4	—	—	5.00E-02	mg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.35	—	—	6.60E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.59	—	—	6.60E-02	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.303	—	—	3.30E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.324	—	—	3.30E-02	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.3	—	—	4.50E-01	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.9	—	—	4.50E-01	mg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.7	—	—	4.50E-01	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	4.50E-01	mg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.69	—	—	1.10E-01	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.65	—	—	1.10E-01	mg/L	—	—	11-3264	CAMO-11-24698	GELC

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

Location	Port Name	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-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	1.10E-01	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.52	—	—	1.10E-01	mg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.427	—	—	1.00E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.32	—	—	5.00E-02	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.96	—	—	2.50E-01	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.54	—	—	5.00E-01	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.34	—	—	1.00E-02	SU	H	J-	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.56	—	—	1.00E-02	SU	H	J-	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	J	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.41	—	—	5.00E-02	mg/L	—	J	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.1	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.5	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18	—	—	1.00E-01	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	1.00E-01	mg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	209	—	—	1.00E+00	µS/cm	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	µS/cm	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.27	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.68	—	—	1.00E-01	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	65.7	—	—	3.40E+00	mg/L	—	J	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	139	—	—	2.40E+00	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	10.1	—	—	3.30E-01	mg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.77	—	—	3.30E-01	mg/L	J	J	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.6	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	62.4	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.2	—	—	1.00E+00	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.4	—	—	1.00E+00	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.7	—	—	1.50E+01	µg/L	J	J	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.8	—	—	1.50E+01	µg/L	J	J	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.1	—	—	1.50E+01	µg/L	J	J	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.4	—	—	1.50E+01	µg/L	J	J	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.55	—	—	2.00E+00	µg/L	J	J	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.00E+00	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.2	—	—	2.00E+00	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.85	—	—	1.00E+00	µg/L	J	J	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	2.44	—	—	1.00E+00	µg/L	J	J	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	2550	—	—	3.00E+01	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	3070	—	—	3.00E+01	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	35.3	—	—	3.00E+01	µg/L	J	J	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	217	—	—	3.00E+01	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	1100	—	—	2.00E+00	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	1090	—	—	2.00E+00	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	113	—	—	2.00E+00	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	118	—	—	2.00E+00	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	14.6	—	—	1.70E-01	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	13.4	—	—	1.70E-01	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.06	—	—	1.70E-01	µg/L	—	J	11-2470	CAMO-11-10853	GELC

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

Location	Port Name	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-61	P1A	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.22	—	—	1.70E-01	µg/L	—	J	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.02	—	—	5.00E-01	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.33	—	—	5.00E-01	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.68	—	—	5.00E-01	µg/L	J	J	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.93	—	—	5.00E-01	µg/L	J	J	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.1	—	—	5.30E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.6	—	—	5.30E-02	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	91.5	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	91.1	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.1	—	—	1.00E+00	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.2	—	—	1.00E+00	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	6.70E-02	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.985	—	—	6.70E-02	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.715	—	—	6.70E-02	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.824	—	—	6.70E-02	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.19	—	—	3.30E+00	µg/L	J	J	11-3264	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	18.3	—	—	3.30E+00	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20.2	—	—	3.30E+00	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0098	5.20E-03	3.30E-02	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-2.59	9.80E+00	2.90E+01	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00197	4.40E-03	4.00E-02	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0929	1.20E+00	3.70E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.61	1.40E+00	4.30E+00	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.95	1.40E+00	4.70E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.642	1.70E+00	4.90E+00	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.18	7.10E-01	2.20E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.575	5.70E-01	2.00E+00	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.75	9.80E-01	2.90E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.743	5.70E-01	2.50E+00	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.9	2.60E+00	8.30E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00225	3.90E-03	2.10E-02	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00411	5.00E-03	2.50E-02	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00225	8.70E-03	3.40E-02	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00411	2.90E-03	3.80E-02	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.54	1.40E+01	4.60E+01	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	28.9	1.90E+01	4.30E+01	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.34	1.40E+00	4.10E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.219	1.40E+00	4.70E+00	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0782	1.40E-01	4.90E-01	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.293	1.30E-01	5.10E-01	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.576	6.50E-02	7.30E-02	—	pCi/L	—	—	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.65	6.50E-02	7.60E-02	—	pCi/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0198	1.00E-02	5.20E-02	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0109	8.20E-03	5.90E-02	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.312	4.30E-02	6.30E-02	—	pCi/L	—	—	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.32	3.80E-02	4.00E-02	—	pCi/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	FD	VOA	SW-846:8260B	Acetone	—	75.6	—	—	3.50E+00	µg/L	—	J	11-3263	CAMO-11-24699	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	—	78.1	—	—	3.50E+00	µg/L	—	J	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	UJ	11-2469	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl-2-pentanone[4-]	—	1.52	—	—	1.30E+00	µg/L	J	J	11-3263	CAMO-11-24698	GELC

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

Location	Port Name	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-61	P1A	1125	05/20/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl-2-pentanone[4-]	<	5	—	—	1.30E+00	µg/L	U	UJ	11-2469	CAMO-11-10852	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	FD	VOA	SW-846:8260B	Toluene	—	32.7	—	—	2.50E-01	µg/L	—	—	11-3263	CAMO-11-24699	GELC
R-61	P1A	1125	08/18/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	33.2	—	—	2.50E-01	µg/L	—	—	11-3263	CAMO-11-24698	GELC
R-61	P1A	1125	05/20/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	14.6	—	—	2.50E-01	µg/L	—	—	11-2469	CAMO-11-10852	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	94.4	—	—	7.30E-01	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.3	—	—	7.30E-01	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.048	—	—	1.60E-02	mg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0223	—	—	1.60E-02	mg/L	J	J	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.6	—	—	5.00E-02	mg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10	—	—	5.00E-02	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	5.00E-02	mg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.18	—	—	6.60E-02	mg/L	—	J+	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.17	—	—	6.60E-02	mg/L	—	J+	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.241	—	—	3.30E-02	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.344	—	—	3.30E-02	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.1	—	—	4.50E-01	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.9	—	—	4.50E-01	mg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.5	—	—	4.50E-01	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.3	—	—	4.50E-01	mg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.48	—	—	1.10E-01	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.39	—	—	1.10E-01	mg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.26	—	—	1.10E-01	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	1.10E-01	mg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.362	—	—	1.00E-01	mg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.438	—	—	5.00E-02	mg/L	—	J+	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.205	—	—	5.00E-02	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.306	—	—	5.00E-02	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.14	—	—	1.00E-02	SU	H	J-	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.34	—	—	5.00E-02	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	5.00E-02	mg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.6	—	—	5.00E-02	mg/L	—	J	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	J	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	24.4	—	—	1.00E-01	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.7	—	—	1.00E-01	mg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	203	—	—	1.00E+00	µS/cm	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	µS/cm	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.85	—	—	1.00E-01	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.61	—	—	1.00E-01	mg/L	—	J+	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	3.40E+00	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	14.7	—	—	3.30E-01	mg/L	—	J	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.573	—	—	3.30E-01	mg/L	J	J	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.2	—	—	1.00E+00	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.8	—	—	1.00E+00	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.9	—	—	1.00E+00	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	µg/L	—	—	11-2502	CAMO-11-11689	GELC

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

Location	Port Name	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-61	P2A	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	33.2	—	—	1.50E+01	µg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	33	—	—	1.50E+01	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.7	—	—	1.50E+01	µg/L	J	J	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	µg/L	J	J	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.45	—	—	1.00E+00	µg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	2.16	—	—	1.00E+00	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	5590	—	—	3.00E+01	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	5680	—	—	3.00E+01	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	57.4	—	—	3.00E+01	µg/L	J	J	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	908	—	—	2.00E+00	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	882	—	—	2.00E+00	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	22.2	—	—	2.00E+00	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	24.8	—	—	2.00E+00	µg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	10.9	—	—	1.70E-01	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	10.7	—	—	1.70E-01	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.70E-01	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.51	—	—	1.70E-01	µg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.59	—	—	5.00E-01	µg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.62	—	—	5.00E-01	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.501	—	—	5.00E-01	µg/L	J	J	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.2	—	—	5.30E-02	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.4	—	—	5.30E-02	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	81.4	—	—	1.00E+00	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.2	—	—	1.00E+00	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.4	—	—	1.00E+00	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49	—	—	1.00E+00	µg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.606	—	—	6.70E-02	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.635	—	—	6.70E-02	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.847	—	—	6.70E-02	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.82	—	—	6.70E-02	µg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.43	—	—	3.30E+00	µg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.46	—	—	3.30E+00	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	PEST	SW-846:8081A	BHC[beta-]	—	0.0117	—	—	7.00E-03	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	PEST	SW-846:8081A	BHC[beta-]	<	0.0235	—	—	7.70E-03	µg/L	U	U	11-2501	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00587	5.90E-03	4.90E-02	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	6.4	1.20E+01	3.70E+01	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00172	1.70E-03	3.50E-02	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-6.3	2.20E+00	7.70E+00	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.203	1.60E+00	5.40E+00	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.515	1.60E+00	5.20E+00	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.89	2.00E+00	5.80E+00	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.14	6.10E-01	1.70E+00	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.24	7.30E-01	2.20E+00	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.69	8.20E-01	2.20E+00	—	pCi/L	—	—	11-3277	CAMO-11-24703	GELC

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

Location	Port Name	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-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.66	8.90E-01	2.90E+00	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.24	2.70E+00	8.90E+00	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00255	4.40E-03	2.60E-02	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0039	3.90E-03	2.40E-02	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0051	6.20E-03	4.90E-02	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0039	4.80E-03	3.60E-02	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	8.24	2.10E+01	7.40E+01	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.1	2.00E+01	7.30E+01	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0637	1.60E+00	5.20E+00	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.01	1.40E+00	5.00E+00	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.144	1.50E-01	5.00E-01	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.151	1.40E-01	4.80E-01	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.4	4.70E-02	6.00E-02	—	pCi/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.552	5.50E-02	7.00E-02	—	pCi/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0244	1.00E-02	4.30E-02	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.01	8.90E-03	5.40E-02	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.266	3.70E-02	5.10E-02	—	pCi/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.349	4.00E-02	3.70E-02	—	pCi/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	FD	SVOA	SW-846:8270C	Methylphenol[4-]	—	4.58	—	—	3.30E+00	µg/L	J	J	11-3277	CAMO-11-24700	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	SVOA	SW-846:8270C	Methylphenol[4-]	—	4.11	—	—	3.00E+00	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	SVOA	SW-846:8270C	Methylphenol[4-]	<	10	—	—	3.00E+00	µg/L	U	U	11-2501	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	FD	VOA	SW-846:8260B	Acetone	—	6.62	—	—	3.50E+00	µg/L	J	J	11-3277	CAMO-11-24700	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	—	6.52	—	—	3.50E+00	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	UJ	11-2501	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	FD	VOA	SW-846:8260B	Butanone[2-]	—	1.88	—	—	1.30E+00	µg/L	J	J	11-3277	CAMO-11-24700	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	VOA	SW-846:8260B	Butanone[2-]	—	1.87	—	—	1.30E+00	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	VOA	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30E+00	µg/L	U	UJ	11-2501	CAMO-11-11689	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	FD	VOA	SW-846:8260B	Toluene	—	2.29	—	—	2.50E-01	µg/L	—	—	11-3277	CAMO-11-24700	GELC
R-61	P2A	1220.4	08/19/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	2.29	—	—	2.50E-01	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	P2A	1220.4	05/24/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	0.38	—	—	2.50E-01	µg/L	J	J	11-2501	CAMO-11-11689	GELC

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

Location	Port Name	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-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.9	—	—	0.73	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.6	—	—	0.73	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.1	—	—	0.73	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.3	—	—	0.73	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.6	—	—	0.73	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.108	—	—	0.066	mg/L	J	J	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.123	—	—	0.066	mg/L	J	J	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0902	—	—	0.066	mg/L	J	J	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0736	—	—	0.066	mg/L	J	J	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.066	mg/L	U	U	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	0.05	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23	—	—	0.05	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.5	—	—	0.05	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	0.05	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	0.05	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.7	—	—	0.05	mg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.2	—	—	0.05	mg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.5	—	—	0.05	mg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.5	—	—	0.05	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	0.05	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.05	—	—	0.066	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.36	—	—	0.066	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.11	—	—	0.066	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.66	—	—	0.066	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.72	—	—	0.066	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.359	—	—	0.033	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.41	—	—	0.033	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.422	—	—	0.033	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.354	—	—	0.033	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.392	—	—	0.033	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.9	—	—	0.45	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83	—	—	0.45	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.5	—	—	0.45	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.8	—	—	0.35	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.9	—	—	0.35	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.3	—	—	0.45	mg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	83.6	—	—	0.45	mg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.6	—	—	0.45	mg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.3	—	—	0.35	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.5	—	—	0.35	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.1	—	—	0.11	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.21	—	—	0.11	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.14	—	—	0.11	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.99	—	—	0.085	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.77	—	—	0.085	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6	—	—	0.11	mg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.23	—	—	0.11	mg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.14	—	—	0.11	mg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.11	—	—	0.085	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.79	—	—	0.085	mg/L	—	—	10-3622	CASA-10-22657	GELC

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

Location	Port Name	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-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.15	—	—	0.1	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.95	—	—	0.05	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.6	—	—	0.1	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.89	—	—	0.1	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.25	—	—	0.25	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.862	—	—	0.05	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.835	—	—	0.05	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.822	—	—	0.05	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.812	—	—	0.05	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.838	—	—	0.05	µg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.6	—	—	0.05	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.6	—	—	0.05	mg/L	—	J	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	0.05	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.57	—	—	0.05	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	0.05	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	0.05	mg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	0.05	mg/L	—	J	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	0.05	mg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.62	—	—	0.05	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	0.05	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	0.1	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	0.1	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	0.1	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	0.1	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	0.1	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	0.1	mg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	0.1	mg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	0.1	mg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	0.1	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	0.1	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	217	—	—	1	µS/cm	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	222	—	—	1	µS/cm	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	209	—	—	1	µS/cm	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	218	—	—	1	µS/cm	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	227	—	—	1	µS/cm	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.45	—	—	0.1	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.6	—	—	0.1	mg/L	—	J+	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.56	—	—	0.1	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.18	—	—	0.1	mg/L	—	J+	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.63	—	—	0.1	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	169	—	—	3.4	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	189	—	—	2.4	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	201	—	—	2.4	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	205	—	—	2.4	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	208	—	—	2.4	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.41	—	—	0.33	mg/L	J	J	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.433	—	—	0.33	mg/L	J	J	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.625	—	—	0.33	mg/L	J	J	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.604	—	—	0.33	mg/L	J	J	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.463	—	—	0.33	mg/L	J	J	10-3622	CASA-10-22657	GELC

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

Location	Port Name	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-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0836	—	—	0.015	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	0.015	mg/L	U	U	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0313	—	—	0.015	mg/L	J	U	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.068	—	—	0.015	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.036	—	—	0.015	mg/L	J	U	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.08	—	—	0.01	SU	H	J-	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.87	—	—	0.01	SU	H	J-	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	0.01	SU	H	J-	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	0.01	SU	H	J-	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.01	—	—	0.01	SU	H	J-	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.1	—	—	1	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.4	—	—	1	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.4	—	—	1	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.6	—	—	1	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.7	—	—	1	µg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.1	—	—	1	µg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.8	—	—	1	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.3	—	—	1	µg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.1	—	—	1	µg/L	—	—	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.7	—	—	1	µg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	29.5	—	—	15	µg/L	J	J	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	32.6	—	—	15	µg/L	J	J	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.4	—	—	15	µg/L	J	J	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.6	—	—	15	µg/L	J	J	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	31.5	—	—	15	µg/L	J	J	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	29.4	—	—	15	µg/L	J	J	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	33.1	—	—	15	µg/L	J	J	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.3	—	—	15	µg/L	J	J	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.9	—	—	15	µg/L	J	J	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	32.9	—	—	15	µg/L	J	J	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.2	—	—	2	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.2	—	—	2	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16	—	—	2.5	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15	—	—	2.5	µg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.3	—	—	2	µg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.8	—	—	2	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.3	—	—	2	µg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.5	—	—	2.5	µg/L	—	—	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.4	—	—	2.5	µg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.8	—	—	3	µg/L	J	J	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.57	—	—	0.17	µg/L	—	—	11-3193	CASA-11-24779	GELC

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

Location	Port Name	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-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.49	—	—	0.17	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.56	—	—	0.17	µg/L	—	J	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	2.39	—	—	0.1	µg/L	—	U	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.59	—	—	0.1	µg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.53	—	—	0.17	µg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.45	—	—	0.17	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.55	—	—	0.17	µg/L	—	J	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.52	—	—	0.1	µg/L	—	J	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	0.1	µg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.692	—	—	0.5	µg/L	J	J	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.78	—	—	0.5	µg/L	J	J	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	0.5	µg/L	J	J	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.5	µg/L	U	U	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.679	—	—	0.5	µg/L	J	J	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.675	—	—	0.5	µg/L	J	J	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.781	—	—	0.5	µg/L	J	J	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.03	—	—	0.5	µg/L	J	J	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.5	µg/L	U	U	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.707	—	—	0.5	µg/L	J	J	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	2.27	—	—	1.5	µg/L	J	J	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.5	µg/L	U	U	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.5	µg/L	U	U	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.36	—	—	1	µg/L	J	J	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1	µg/L	U	U	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	2.05	—	—	1.5	µg/L	J	J	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.67	—	—	1.5	µg/L	J	J	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.5	µg/L	U	U	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.21	—	—	1	µg/L	J	J	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1	µg/L	U	U	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.6	—	—	0.053	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.2	—	—	0.053	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.6	—	—	0.053	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.7	—	—	0.053	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	0.053	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	89.7	—	—	1	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	87.6	—	—	1	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	89.7	—	—	1	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	89.1	—	—	1	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	90.2	—	—	1	µg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	87.4	—	—	1	µg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	88.3	—	—	1	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	89.9	—	—	1	µg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	90.5	—	—	1	µg/L	—	—	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	90.7	—	—	1	µg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.623	—	—	0.067	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.761	—	—	0.067	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.814	—	—	0.067	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.846	—	—	0.05	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.863	—	—	0.05	µg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.585	—	—	0.067	µg/L	—	—	11-3193	CASA-11-24778	GELC

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

Location	Port Name	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-11	Single	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.747	—	—	0.067	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.848	—	—	0.067	µg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.847	—	—	0.05	µg/L	—	—	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.858	—	—	0.05	µg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.79	—	—	1	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.82	—	—	1	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.96	—	—	1	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.01	—	—	1	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.24	—	—	1	µg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.56	—	—	1	µg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.77	—	—	1	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.96	—	—	1	µg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1	µg/L	—	—	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.24	—	—	1	µg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	Single	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.48	—	—	3.3	µg/L	J	J	11-3193	CASA-11-24779	GELC
R-11	Single	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.01	—	—	3.3	µg/L	J	J	11-2498	CASA-11-10810	GELC
R-11	Single	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.87	—	—	3.3	µg/L	J	J	11-1456	CASA-11-4559	GELC
R-11	Single	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.64	—	—	3.3	µg/L	J	J	11-492	CASA-11-1370	GELC
R-11	Single	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.18	—	—	3.3	µg/L	J	J	10-3622	CASA-10-22658	GELC
R-11	Single	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.83	—	—	3.3	µg/L	J	J	11-3193	CASA-11-24778	GELC
R-11	Single	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.87	—	—	3.3	µg/L	J	J	11-2498	CASA-11-10811	GELC
R-11	Single	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.52	—	—	3.3	µg/L	J	J	11-1456	CASA-11-4560	GELC
R-11	Single	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.2	—	—	3.3	µg/L	—	—	11-492	CASA-11-1371	GELC
R-11	Single	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.77	—	—	3.3	µg/L	J	J	10-3622	CASA-10-22657	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	106	—	—	0.73	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	108	—	—	0.73	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	100	—	—	0.73	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	100	—	—	0.73	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	107	—	—	0.73	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.5	—	—	0.05	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.2	—	—	0.05	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	0.05	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	0.05	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	0.05	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24	—	—	0.05	mg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	0.05	mg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	0.05	mg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.7	—	—	0.05	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	0.05	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.25	—	—	0.066	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.51	—	—	0.066	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.58	—	—	0.066	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.35	—	—	0.066	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.2	—	—	0.066	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.326	—	—	0.033	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.333	—	—	0.033	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.322	—	—	0.033	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.27	—	—	0.033	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.256	—	—	0.033	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.5	—	—	0.45	mg/L	—	—	11-3246	CASA-11-24780	GELC

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

Location	Port Name	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-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.3	—	—	0.45	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.8	—	—	0.45	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.4	—	—	0.35	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	76.9	—	—	0.35	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.8	—	—	0.45	mg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.4	—	—	0.45	mg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.8	—	—	0.45	mg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.5	—	—	0.35	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	75.5	—	—	0.35	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.18	—	—	0.11	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.94	—	—	0.11	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.82	—	—	0.11	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.79	—	—	0.085	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.46	—	—	0.085	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.05	—	—	0.11	mg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.99	—	—	0.11	mg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.81	—	—	0.11	mg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.14	—	—	0.085	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.47	—	—	0.085	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.206	—	—	0.01	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.605	—	—	0.05	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.457	—	—	0.1	mg/L	J	J	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.469	—	—	0.05	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.484	—	—	0.05	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.443	—	—	0.05	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.403	—	—	0.05	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.444	—	—	0.05	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.419	—	—	0.05	µg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.432	—	—	0.05	µg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.17	—	—	0.05	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.09	—	—	0.05	mg/L	—	J	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.07	—	—	0.05	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.35	—	—	0.05	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.99	—	—	0.05	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.07	—	—	0.05	mg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.14	—	—	0.05	mg/L	—	J	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.04	—	—	0.05	mg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.63	—	—	0.05	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.92	—	—	0.05	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.4	—	—	0.1	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.5	—	—	0.1	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.8	—	—	0.1	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.9	—	—	0.1	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.1	—	—	0.1	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	0.1	mg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	0.1	mg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.7	—	—	0.1	mg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	20	—	—	0.1	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.7	—	—	0.1	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	241	—	—	1	µS/cm	—	—	11-3246	CASA-11-24780	GELC

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

Location	Port Name	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-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	241	—	—	1	µS/cm	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	231	—	—	1	µS/cm	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	250	—	—	1	µS/cm	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	243	—	—	1	µS/cm	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.47	—	—	0.1	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.82	—	—	0.1	mg/L	—	J+	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.75	—	—	0.1	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.27	—	—	0.1	mg/L	—	J+	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.41	—	—	0.1	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	216	—	—	3.4	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	193	—	—	2.4	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	201	—	—	2.4	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	198	—	—	2.4	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	220	—	—	2.4	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.07	—	—	0.01	SU	H	J-	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	0.01	SU	H	J-	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	0.01	SU	H	J-	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.1	—	—	0.01	SU	H	J-	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	0.01	SU	H	J-	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	380	—	—	1	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	352	—	—	1	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	347	—	—	1	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	345	—	—	1	µg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	324	—	—	1	µg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	372	—	—	1	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	354	—	—	1	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	348	—	—	1	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	368	—	—	1	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	316	—	—	1	µg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	43.1	—	—	15	µg/L	J	J	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	43.6	—	—	15	µg/L	J	J	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	38.2	—	—	15	µg/L	J	J	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39	—	—	15	µg/L	J	J	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	37.3	—	—	15	µg/L	J	J	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	42.2	—	—	15	µg/L	J	J	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	42.8	—	—	15	µg/L	J	J	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	37.6	—	—	15	µg/L	J	J	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	40.9	—	—	15	µg/L	J	J	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	37	—	—	15	µg/L	J	J	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.63	—	—	2	µg/L	J	J	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.02	—	—	2	µg/L	J	J	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.39	—	—	2	µg/L	J	J	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.71	—	—	2.5	µg/L	J	J	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.5	µg/L	J	J	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12	—	—	2	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.7	—	—	2	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.1	—	—	2	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.8	—	—	2.5	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.6	—	—	2.5	µg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	µg/L	U	U	11-2498	CASA-11-10812	GELC

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

Location	Port Name	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-35a	Single	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	µg/L	U	U	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	µg/L	U	U	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	34	—	—	30	µg/L	J	J	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	46.1	—	—	30	µg/L	J	J	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	79.4	—	—	30	µg/L	J	J	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	87.6	—	—	30	µg/L	J	J	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	76.9	—	—	30	µg/L	J	J	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	113	—	—	30	µg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	0.17	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	0.17	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	0.17	µg/L	—	J	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	2.39	—	—	0.1	µg/L	—	U	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	0.1	µg/L	—	J	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	0.17	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.27	—	—	0.17	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.63	—	—	0.17	µg/L	—	J	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.72	—	—	0.1	µg/L	—	J	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	0.1	µg/L	—	J	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	11	—	—	0.5	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	13.2	—	—	0.5	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19.6	—	—	0.5	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	22.2	—	—	0.5	µg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17	—	—	0.5	µg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.5	—	—	0.5	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	13.2	—	—	0.5	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	22.9	—	—	0.5	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	22.4	—	—	0.5	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.3	—	—	0.5	µg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	87.1	—	—	0.053	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.1	—	—	0.053	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.9	—	—	0.053	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81	—	—	0.053	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.5	—	—	0.053	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	173	—	—	1	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	175	—	—	1	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	175	—	—	1	µg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1	µg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	182	—	—	1	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	173	—	—	1	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	175	—	—	1	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	160	—	—	1	µg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.658	—	—	0.067	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.697	—	—	0.067	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.693	—	—	0.067	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.664	—	—	0.05	µg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.685	—	—	0.05	µg/L	—	J	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.575	—	—	0.067	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.611	—	—	0.067	µg/L	—	—	11-2498	CASA-11-10813	GELC

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

Location	Port Name	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-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.682	—	—	0.067	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.691	—	—	0.05	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.712	—	—	0.05	µg/L	—	J	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	17.5	—	—	1	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	18.7	—	—	1	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.3	—	—	1	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.8	—	—	1	µg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.9	—	—	1	µg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	16.9	—	—	1	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.4	—	—	1	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.8	—	—	1	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.3	—	—	1	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.7	—	—	1	µg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	Single	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.79	—	—	3.3	µg/L	J	J	11-3246	CASA-11-24780	GELC
R-35a	Single	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-2498	CASA-11-10812	GELC
R-35a	Single	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-1439	CASA-11-4562	GELC
R-35a	Single	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-491	CASA-11-1372	GELC
R-35a	Single	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	10-3610	CASA-10-22662	GELC
R-35a	Single	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.01	—	—	3.3	µg/L	J	J	11-3246	CASA-11-24781	GELC
R-35a	Single	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.6	—	—	3.3	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	Single	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-1439	CASA-11-4561	GELC
R-35a	Single	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.26	—	—	3.3	µg/L	J	J	11-491	CASA-11-1373	GELC
R-35a	Single	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	10-3610	CASA-10-22660	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.2	—	—	0.73	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.6	—	—	0.73	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.6	—	—	0.73	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.2	—	—	0.73	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.1	—	—	0.73	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0804	—	—	0.066	mg/L	J	J	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0792	—	—	0.066	mg/L	J	J	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.066	mg/L	U	UJ	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.066	mg/L	U	U	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.066	mg/L	U	U	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.2	—	—	0.05	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.4	—	—	0.05	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	0.05	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	0.05	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	0.05	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.6	—	—	0.05	mg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.2	—	—	0.05	mg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	0.05	mg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	0.05	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	0.05	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.81	—	—	0.066	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.93	—	—	0.066	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.88	—	—	0.066	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.73	—	—	0.066	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.68	—	—	0.066	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.464	—	—	0.033	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.5	—	—	0.033	mg/L	—	—	11-2596	CASA-11-10814	GELC

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

Location	Port Name	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-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.497	—	—	0.033	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.441	—	—	0.033	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.378	—	—	0.033	mg/L	—	J-	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61	—	—	0.45	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.1	—	—	0.45	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.2	—	—	0.45	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.2	—	—	0.35	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.2	—	—	0.35	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.3	—	—	0.45	mg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.2	—	—	0.45	mg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.9	—	—	0.45	mg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	0.35	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	0.35	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.98	—	—	0.11	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.15	—	—	0.11	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	0.11	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.86	—	—	0.085	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.16	—	—	0.085	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.09	—	—	0.11	mg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.07	—	—	0.11	mg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.93	—	—	0.11	mg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.06	—	—	0.085	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.12	—	—	0.085	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.18	—	—	0.1	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.18	—	—	0.05	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.08	—	—	0.05	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.16	—	—	0.1	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.32	—	—	0.05	mg/L	—	J+	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.545	—	—	0.05	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.616	—	—	0.05	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.598	—	—	0.05	µg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.577	—	—	0.05	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.653	—	—	0.05	µg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.06	—	—	0.05	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.09	—	—	0.05	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.92	—	—	0.05	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	0.05	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	0.05	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.06	—	—	0.05	mg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.15	—	—	0.05	mg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.1	—	—	0.05	mg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.16	—	—	0.05	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.96	—	—	0.05	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	0.1	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	0.1	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	0.1	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	0.1	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	0.1	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	0.1	mg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	0.1	mg/L	—	—	11-2596	CASA-11-10815	GELC

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

Location	Port Name	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-35b	Single	825.4	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	0.1	mg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	0.1	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	0.1	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1	µS/cm	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1	µS/cm	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	162	—	—	1	µS/cm	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1	µS/cm	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1	µS/cm	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.43	—	—	0.1	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.75	—	—	0.1	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.74	—	—	0.1	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.4	—	—	0.1	mg/L	—	J+	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.51	—	—	0.1	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	3.4	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.4	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.4	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.4	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	183	—	—	2.4	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.44	—	—	0.33	mg/L	J	J	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.5	—	—	0.33	mg/L	J	J	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.579	—	—	0.33	mg/L	J	J	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.713	—	—	0.33	mg/L	J	J	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.466	—	—	0.33	mg/L	J	J	10-3678	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0556	—	—	0.015	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	0.015	mg/L	U	U	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.066	—	—	0.015	mg/L	—	U	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.054	—	—	0.015	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.028	—	—	0.015	mg/L	J	U	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	0.01	SU	H	J-	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	0.01	SU	H	J-	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	0.01	SU	H	J-	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	0.01	SU	H	J-	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.82	—	—	0.01	SU	H	J-	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.1	—	—	1	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.4	—	—	1	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.9	—	—	1	µg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.3	—	—	1	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.4	—	—	1	µg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40.3	—	—	1	µg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39	—	—	1	µg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.8	—	—	1	µg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.3	—	—	1	µg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.8	—	—	1	µg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.6	—	—	15	µg/L	J	J	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.5	—	—	15	µg/L	J	J	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.3	—	—	15	µg/L	J	J	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24	—	—	15	µg/L	J	J	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.1	—	—	15	µg/L	J	J	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.4	—	—	15	µg/L	J	J	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.3	—	—	15	µg/L	J	J	11-2596	CASA-11-10815	GELC

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

Location	Port Name	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-35b	Single	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	15	µg/L	J	J	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.5	—	—	15	µg/L	J	J	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.2	—	—	15	µg/L	J	J	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.42	—	—	2	µg/L	J	J	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.67	—	—	2	µg/L	J	J	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.1	—	—	2	µg/L	J	J	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.1	—	—	2.5	µg/L	J	J	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.19	—	—	2.5	µg/L	J	J	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.33	—	—	2	µg/L	J	J	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.52	—	—	2	µg/L	J	J	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.31	—	—	2	µg/L	J	J	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.95	—	—	2.5	µg/L	J	J	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.29	—	—	2.5	µg/L	J	J	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	0.17	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	0.17	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	0.17	µg/L	—	J	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	2.23	—	—	0.1	µg/L	—	U	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	0.1	µg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	0.17	µg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	0.17	µg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.18	—	—	0.17	µg/L	—	U	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	2.13	—	—	0.1	µg/L	—	U	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	0.1	µg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	0.5	µg/L	J	J	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.965	—	—	0.5	µg/L	J	J	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.39	—	—	0.5	µg/L	J	U	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.5	µg/L	U	U	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.882	—	—	0.5	µg/L	J	J	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.01	—	—	0.5	µg/L	J	J	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.11	—	—	0.5	µg/L	J	J	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.55	—	—	0.5	µg/L	J	U	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.5	µg/L	U	U	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.852	—	—	0.5	µg/L	J	J	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.9	—	—	0.053	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.2	—	—	0.053	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70	—	—	0.053	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.5	—	—	0.053	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.9	—	—	0.053	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.1	—	—	1	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.5	—	—	1	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.8	—	—	1	µg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	66.6	—	—	1	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.3	—	—	1	µg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.1	—	—	1	µg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.3	—	—	1	µg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.3	—	—	1	µg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.7	—	—	1	µg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.7	—	—	1	µg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.185	—	—	0.067	µg/L	J	J	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.293	—	—	0.067	µg/L	—	U	11-2596	CASA-11-10814	GELC

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

Location	Port Name	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-35b	Single	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.304	—	—	0.067	µg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.346	—	—	0.05	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.307	—	—	0.05	µg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.167	—	—	0.067	µg/L	J	J	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.31	—	—	0.067	µg/L	—	U	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.301	—	—	0.067	µg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.342	—	—	0.05	µg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.319	—	—	0.05	µg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	12.4	—	—	1	µg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1	µg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1	µg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1	µg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.1	—	—	1	µg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1	µg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1	µg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	Single	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.5	—	—	3.3	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	Single	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28.2	—	—	3.3	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	Single	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28	—	—	3.3	µg/L	—	J	11-1480	CASA-11-4564	GELC
R-35b	Single	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	29.7	—	—	3.3	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	Single	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28.3	—	—	3.3	µg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	Single	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.8	—	—	3.3	µg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	Single	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	28.4	—	—	3.3	µg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	Single	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	28.5	—	—	3.3	µg/L	—	J	11-1480	CASA-11-4563	GELC
R-35b	Single	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	40.8	—	—	3.3	µg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	Single	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.3	—	—	3.3	µg/L	—	—	10-3679	CASA-10-22663	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.6	—	—	0.73	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.4	—	—	0.73	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.1	—	—	0.73	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.7	—	—	0.73	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.4	—	—	0.73	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0608	—	—	0.016	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0214	—	—	0.016	mg/L	J	U	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.03	—	—	0.016	mg/L	J	U	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.021	—	—	0.016	mg/L	J	J	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.016	mg/L	U	UJ	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.107	—	—	0.066	mg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.115	—	—	0.066	mg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.111	—	—	0.066	mg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0912	—	—	0.066	mg/L	J	J	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.066	mg/L	U	U	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.3	—	—	0.05	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	0.05	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.9	—	—	0.05	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	0.05	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.1	—	—	0.05	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	0.05	mg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	0.05	mg/L	—	—	11-2608	CASA-11-10816	GELC

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

Location	Port Name	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-36	Single	766.9	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.6	—	—	0.05	mg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	0.05	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	0.05	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.85	—	—	0.066	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.79	—	—	0.066	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.97	—	—	0.066	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.71	—	—	0.066	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.6	—	—	0.066	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.496	—	—	0.033	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.562	—	—	0.033	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.614	—	—	0.033	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.489	—	—	0.033	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.417	—	—	0.033	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	66.3	—	—	0.45	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.4	—	—	0.45	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.9	—	—	0.45	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.7	—	—	0.35	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.5	—	—	0.35	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.7	—	—	0.45	mg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.7	—	—	0.45	mg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.1	—	—	0.45	mg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.3	—	—	0.35	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	0.35	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.38	—	—	0.11	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4	—	—	0.11	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	0.11	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.32	—	—	0.085	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.21	—	—	0.085	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.19	—	—	0.11	mg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.35	—	—	0.11	mg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.33	—	—	0.11	mg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.41	—	—	0.085	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.02	—	—	0.085	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.26	—	—	0.1	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.71	—	—	0.05	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.07	—	—	0.1	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.26	—	—	0.05	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.26	—	—	0.1	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.55	—	—	0.25	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.64	—	—	0.2	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.68	—	—	0.2	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.7	—	—	0.2	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.55	—	—	0.2	µg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.03	—	—	0.05	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.94	—	—	0.05	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.92	—	—	0.05	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.16	—	—	0.05	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.11	—	—	0.05	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.97	—	—	0.05	mg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.2	—	—	0.05	mg/L	—	—	11-2608	CASA-11-10816	GELC

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

Location	Port Name	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-36	Single	766.9	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.99	—	—	0.05	mg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	0.05	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	0.05	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	0.1	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	0.1	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	0.1	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	0.1	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	0.1	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	0.1	mg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.1	—	—	0.1	mg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	0.1	mg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	0.1	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.1	—	—	0.1	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	196	—	—	1	µS/cm	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1	µS/cm	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	186	—	—	1	µS/cm	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	193	—	—	1	µS/cm	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1	µS/cm	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.65	—	—	0.1	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.88	—	—	0.1	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.23	—	—	0.1	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.74	—	—	0.1	mg/L	—	J+	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.03	—	—	0.1	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	171	—	—	3.4	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	168	—	—	2.4	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	171	—	—	2.4	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	167	—	—	2.4	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	187	—	—	2.4	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.63	—	—	0.33	mg/L	J	J	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.641	—	—	0.33	mg/L	J	J	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.01	—	—	0.33	mg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.724	—	—	0.33	mg/L	J	J	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.645	—	—	0.33	mg/L	J	J	10-3649	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.157	—	—	0.015	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0224	—	—	0.015	mg/L	J	U	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0254	—	—	0.015	mg/L	J	U	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.039	—	—	0.015	mg/L	J	J	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.037	—	—	0.015	mg/L	J	U	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.39	—	—	0.01	SU	H	J-	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	0.01	SU	H	J-	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.75	—	—	0.01	SU	H	J-	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.59	—	—	0.01	SU	H	J-	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	0.01	SU	H	J-	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.4	—	—	1	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.7	—	—	1	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.9	—	—	1	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.3	—	—	1	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.2	—	—	1	µg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.4	—	—	1	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.3	—	—	1	µg/L	—	—	11-2608	CASA-11-10816	GELC

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

Location	Port Name	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-36	Single	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.1	—	—	1	µg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1	µg/L	—	—	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.6	—	—	1	µg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.2	—	—	15	µg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	15	µg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	15	µg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.1	—	—	15	µg/L	J	J	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.3	—	—	15	µg/L	J	J	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25	—	—	15	µg/L	J	J	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.1	—	—	15	µg/L	J	J	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.5	—	—	15	µg/L	J	J	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.8	—	—	15	µg/L	J	J	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.6	—	—	15	µg/L	J	J	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.48	—	—	2	µg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.89	—	—	2	µg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.24	—	—	2	µg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.72	—	—	2.5	µg/L	J	J	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.46	—	—	2.5	µg/L	J	J	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.87	—	—	2	µg/L	J	J	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.7	—	—	2	µg/L	J	J	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.01	—	—	2	µg/L	J	J	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.23	—	—	2.5	µg/L	J	J	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.4	—	—	2.5	µg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.23	—	—	0.17	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.7	—	—	0.17	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.77	—	—	0.17	µg/L	—	J	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.63	—	—	0.1	µg/L	—	J	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.97	—	—	0.1	µg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.87	—	—	0.17	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.62	—	—	0.17	µg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.81	—	—	0.17	µg/L	—	J	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.73	—	—	0.1	µg/L	—	J	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.17	—	—	0.1	µg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.71	—	—	0.5	µg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.43	—	—	0.5	µg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.74	—	—	0.5	µg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.5	µg/L	U	U	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.33	—	—	0.5	µg/L	J	J	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.25	—	—	0.5	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.38	—	—	0.5	µg/L	J	J	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.98	—	—	0.5	µg/L	J	J	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.5	µg/L	U	U	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.72	—	—	0.5	µg/L	J	J	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75	—	—	0.053	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.6	—	—	0.053	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.4	—	—	0.053	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	0.053	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	0.053	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.4	—	—	1	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1	µg/L	—	—	11-2608	CASA-11-10817	GELC

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

Location	Port Name	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-36	Single	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	69.3	—	—	1	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.1	—	—	1	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	76.3	—	—	1	µg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.1	—	—	1	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.5	—	—	1	µg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.6	—	—	1	µg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.1	—	—	1	µg/L	—	—	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	73.2	—	—	1	µg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.322	—	—	0.067	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.316	—	—	0.067	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.337	—	—	0.067	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.326	—	—	0.05	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.352	—	—	0.05	µg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.302	—	—	0.067	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.304	—	—	0.067	µg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.347	—	—	0.067	µg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.325	—	—	0.05	µg/L	—	—	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.386	—	—	0.05	µg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.7	—	—	1	µg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.6	—	—	1	µg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1	µg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1	µg/L	—	—	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.1	—	—	1	µg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	Single	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	56.5	—	—	3.3	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	Single	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	50.4	—	—	3.3	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	Single	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	55.5	—	—	3.3	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	Single	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	59.8	—	—	3.3	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	Single	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	49.9	—	—	3.3	µg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	Single	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	55.5	—	—	3.3	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	Single	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	58.5	—	—	3.3	µg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	Single	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	63.4	—	—	3.3	µg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	Single	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	63.7	—	—	3.3	µg/L	—	—	11-492	CASA-11-1376	GELC
R-36	Single	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	51.6	—	—	3.3	µg/L	—	—	10-3650	CASA-10-22702	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	37.5	—	—	0.73	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	39	—	—	0.73	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	39.8	—	—	0.73	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	39.4	—	—	0.73	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	42.3	—	—	0.73	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0902	—	—	0.066	mg/L	J	J	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.066	mg/L	U	U	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.107	—	—	0.066	mg/L	J	J	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.09	—	—	0.066	mg/L	J	J	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.127	—	—	0.066	mg/L	J	J	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	0.05	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	0.05	mg/L	—	—	11-2459	CASA-11-10819	GELC

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

Location	Port Name	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-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	0.05	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	0.05	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	0.05	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	0.05	mg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	0.05	mg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	0.05	mg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	0.05	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	0.05	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.64	—	—	0.066	mg/L	—	J+	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.4	—	—	0.066	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.66	—	—	0.066	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.26	—	—	0.066	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.79	—	—	0.066	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.346	—	—	0.033	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.353	—	—	0.033	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.375	—	—	0.033	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.337	—	—	0.033	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.292	—	—	0.033	mg/L	—	J-	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.7	—	—	0.45	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57	—	—	0.45	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.1	—	—	0.45	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.1	—	—	0.35	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.6	—	—	0.35	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.1	—	—	0.45	mg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.4	—	—	0.45	mg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.7	—	—	0.45	mg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.6	—	—	0.35	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.9	—	—	0.35	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.99	—	—	0.11	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	0.11	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.81	—	—	0.11	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	0.085	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.58	—	—	0.085	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.82	—	—	0.11	mg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.75	—	—	0.11	mg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.73	—	—	0.11	mg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	0.085	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.5	—	—	0.085	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.56	—	—	0.1	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.5	—	—	0.05	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.42	—	—	0.1	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.5	—	—	0.25	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.71	—	—	0.1	mg/L	—	J	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.982	—	—	0.05	µg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.955	—	—	0.05	µg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.964	—	—	0.1	µg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.955	—	—	0.05	µg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.948	—	—	0.1	µg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	0.05	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	0.05	mg/L	—	J	11-2459	CASA-11-10819	GELC

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

Location	Port Name	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-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	0.05	mg/L	—	J	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	0.05	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	0.05	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	0.05	mg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	0.05	mg/L	—	J	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	0.05	mg/L	—	J	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.41	—	—	0.05	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.19	—	—	0.05	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	0.1	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	0.1	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	0.1	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	0.1	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	0.1	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	0.1	mg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	0.1	mg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	0.1	mg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	0.1	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	0.1	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	180	—	—	1	µS/cm	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	172	—	—	1	µS/cm	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1	µS/cm	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1	µS/cm	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1	µS/cm	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.5	—	—	0.1	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.3	—	—	0.1	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.9	—	—	0.1	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.5	—	—	0.1	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.65	—	—	0.1	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	3.4	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.4	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	178	—	—	2.4	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	185	—	—	2.4	mg/L	—	J	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.4	mg/L	—	J	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	0.01	SU	H	J-	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	0.01	SU	H	J-	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	0.01	SU	H	J-	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.15	—	—	0.01	SU	H	J-	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	0.01	SU	H	J-	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.6	—	—	1	µg/L	—	J	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.5	—	—	1	µg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22	—	—	1	µg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1	µg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.5	—	—	1	µg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.9	—	—	1	µg/L	—	J	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1	µg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.9	—	—	1	µg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1	µg/L	—	—	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.7	—	—	1	µg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.3	—	—	15	µg/L	J	J	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.8	—	—	15	µg/L	J	J	11-2459	CASA-11-10819	GELC

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

Location	Port Name	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-43	P1A	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	15	µg/L	J	J	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	15	µg/L	J	J	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	15	µg/L	J	J	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.8	—	—	15	µg/L	J	J	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	15	µg/L	J	J	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	15	µg/L	J	J	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17	—	—	15	µg/L	J	J	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	15	µg/L	J	J	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	28.6	—	—	2	µg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	22.8	—	—	2	µg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16	—	—	2	µg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.3	—	—	2.5	µg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.39	—	—	2.5	µg/L	J	J	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	28.2	—	—	2	µg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	21.1	—	—	2	µg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.9	—	—	2	µg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.7	—	—	2.5	µg/L	—	—	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.9	—	—	2.5	µg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	0.17	µg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	0.17	µg/L	—	J	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	0.17	µg/L	—	J	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.63	—	—	0.1	µg/L	—	U	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.37	—	—	0.1	µg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	0.17	µg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.08	—	—	0.17	µg/L	—	J	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	0.17	µg/L	—	J	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.57	—	—	0.1	µg/L	—	U	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	0.1	µg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.35	—	—	0.5	µg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.855	—	—	0.5	µg/L	J	J	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.71	—	—	0.5	µg/L	J	J	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.18	—	—	0.5	µg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.62	—	—	0.5	µg/L	J	J	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.31	—	—	0.5	µg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.714	—	—	0.5	µg/L	J	J	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.47	—	—	0.5	µg/L	J	J	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.62	—	—	0.5	µg/L	—	—	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.51	—	—	0.5	µg/L	J	J	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	2.35	—	—	1.5	µg/L	J	J	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.81	—	—	1.5	µg/L	J	J	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.86	—	—	1.5	µg/L	J	J	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.97	—	—	1	µg/L	J	J	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1	µg/L	U	U	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	2.6	—	—	1.5	µg/L	J	J	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	2.36	—	—	1.5	µg/L	J	J	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.56	—	—	1.5	µg/L	J	J	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.91	—	—	1	µg/L	J	J	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1	µg/L	U	U	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.9	—	—	0.053	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.6	—	—	0.053	mg/L	—	—	11-2459	CASA-11-10819	GELC

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

Location	Port Name	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-43	P1A	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.9	—	—	0.053	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.8	—	—	0.053	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.6	—	—	0.053	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	70.9	—	—	1	µg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63	—	—	1	µg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.2	—	—	1	µg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.9	—	—	1	µg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.9	—	—	1	µg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.1	—	—	1	µg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.1	—	—	1	µg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.8	—	—	1	µg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.8	—	—	1	µg/L	—	—	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.4	—	—	1	µg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.074	—	—	0.067	µg/L	J	J	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.096	—	—	0.067	µg/L	J	J	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.122	—	—	0.067	µg/L	J	J	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.16	—	—	0.05	µg/L	J	U	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.104	—	—	0.05	µg/L	J	J	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.094	—	—	0.067	µg/L	J	J	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.123	—	—	0.067	µg/L	J	J	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.114	—	—	0.05	µg/L	J	U	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.117	—	—	0.05	µg/L	J	J	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.99	—	—	1	µg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.63	—	—	1	µg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.93	—	—	1	µg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.48	—	—	1	µg/L	—	—	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.26	—	—	1	µg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.55	—	—	1	µg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.28	—	—	1	µg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.19	—	—	1	µg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.61	—	—	1	µg/L	—	—	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1	µg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	P1A	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.86	—	—	3.3	µg/L	J	J	11-3244	CASA-11-24784	GELC
R-43	P1A	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-2459	CASA-11-10819	GELC
R-43	P1A	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-1436	CASA-11-4568	GELC
R-43	P1A	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.98	—	—	3.3	µg/L	J	J	11-551	CASA-11-1378	GELC
R-43	P1A	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.3	—	—	3.3	µg/L	J	U	10-3717	CASA-10-22706	GELC
R-43	P1A	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.11	—	—	3.3	µg/L	J	J	11-3244	CASA-11-24785	GELC
R-43	P1A	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-2459	CASA-11-10818	GELC
R-43	P1A	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-1436	CASA-11-4567	GELC
R-43	P1A	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.69	—	—	3.3	µg/L	J	J	11-551	CASA-11-1379	GELC
R-43	P1A	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	4.48	—	—	3.3	µg/L	J	U	10-3717	CASA-10-22705	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	5.28	—	—	0.73	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	0.73	mg/L	U	U	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	0.73	mg/L	U	U	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	10.1	—	—	0.73	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	6.27	—	—	0.73	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.4	—	—	0.73	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.1	—	—	0.73	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.7	—	—	0.73	mg/L	—	—	11-1423	CASA-11-4569	GELC

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

Location	Port Name	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-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.9	—	—	0.73	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.2	—	—	0.73	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0722	—	—	0.066	mg/L	J	J	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.066	mg/L	U	U	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.066	mg/L	U	U	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.066	mg/L	U	U	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.066	mg/L	U	U	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	0.05	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.6	—	—	0.05	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	0.05	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	0.05	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	0.05	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	0.05	mg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.5	—	—	0.05	mg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	0.05	mg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	0.05	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	0.05	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.51	—	—	0.066	mg/L	—	J+	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.41	—	—	0.066	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.56	—	—	0.066	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.47	—	—	0.066	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.41	—	—	0.066	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.312	—	—	0.033	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.294	—	—	0.033	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.344	—	—	0.033	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.324	—	—	0.033	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.278	—	—	0.033	mg/L	—	J-	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	0.45	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.1	—	—	0.45	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.1	—	—	0.45	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.9	—	—	0.35	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	0.35	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.1	—	—	0.45	mg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.8	—	—	0.45	mg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.1	—	—	0.45	mg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.6	—	—	0.35	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.6	—	—	0.35	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.59	—	—	0.11	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.5	—	—	0.11	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	0.11	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.47	—	—	0.085	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.39	—	—	0.085	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	0.11	mg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.5	—	—	0.11	mg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	0.11	mg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.46	—	—	0.085	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.48	—	—	0.085	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.389	—	—	0.01	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.995	—	—	0.05	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.829	—	—	0.1	mg/L	—	—	11-1423	CASA-11-4569	GELC

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

Location	Port Name	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-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.765	—	—	0.05	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.9	—	—	0.05	mg/L	—	J	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.435	—	—	0.05	µg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.418	—	—	0.05	µg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.447	—	—	0.05	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.419	—	—	0.05	µg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.434	—	—	0.05	µg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	0.05	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.64	—	—	0.05	mg/L	—	J	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	0.05	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.57	—	—	0.05	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	0.05	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.59	—	—	0.05	mg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	0.05	mg/L	—	J	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	0.05	mg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	0.05	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	0.05	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.4	—	—	0.1	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18	—	—	0.1	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.8	—	—	0.1	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.1	—	—	0.1	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	0.1	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.3	—	—	0.1	mg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18	—	—	0.1	mg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	0.1	mg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.8	—	—	0.1	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	0.1	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	181	—	—	1	µS/cm	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1	µS/cm	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.04	—	—	0.1	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.09	—	—	0.1	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.21	—	—	0.1	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.61	—	—	0.1	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.15	—	—	0.1	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	121	—	—	3.4	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.4	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	604	—	—	9.5	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	178	—	—	2.4	mg/L	—	J	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	175	—	—	2.4	mg/L	—	J	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.6	—	—	0.01	SU	H	J-	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.37	—	—	0.01	SU	H	J-	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.3	—	—	1	µg/L	—	J	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15	—	—	1	µg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.2	—	—	1	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.7	—	—	1	µg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.7	—	—	1	µg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.1	—	—	1	µg/L	—	J	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15	—	—	1	µg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.8	—	—	1	µg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.7	—	—	1	µg/L	—	—	11-551	CASA-11-1380	GELC

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

Location	Port Name	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-43	P2A	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.7	—	—	1	µg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39.6	—	—	15	µg/L	J	J	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	40.3	—	—	15	µg/L	J	J	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	35.8	—	—	15	µg/L	J	J	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	36.5	—	—	15	µg/L	J	J	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	35.2	—	—	15	µg/L	J	J	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.8	—	—	15	µg/L	J	J	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	40.6	—	—	15	µg/L	J	J	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	32.8	—	—	15	µg/L	J	J	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	35.7	—	—	15	µg/L	J	J	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	34.8	—	—	15	µg/L	J	J	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.64	—	—	2	µg/L	J	J	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.29	—	—	2	µg/L	J	J	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2	µg/L	U	U	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.13	—	—	2.5	µg/L	J	J	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.97	—	—	2.5	µg/L	J	J	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.8	—	—	2	µg/L	J	J	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.26	—	—	2	µg/L	J	J	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.27	—	—	2	µg/L	J	J	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.36	—	—	2.5	µg/L	J	J	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.04	—	—	2.5	µg/L	J	J	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.24	—	—	0.17	µg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.97	—	—	0.17	µg/L	—	J	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.26	—	—	0.17	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.92	—	—	0.1	µg/L	—	J	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.36	—	—	0.1	µg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.16	—	—	0.17	µg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.86	—	—	0.17	µg/L	—	J	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.16	—	—	0.17	µg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.72	—	—	0.1	µg/L	—	J	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.75	—	—	0.1	µg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	0.5	µg/L	J	J	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.635	—	—	0.5	µg/L	J	J	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.34	—	—	0.5	µg/L	J	J	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.61	—	—	0.5	µg/L	J	J	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.993	—	—	0.5	µg/L	J	J	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.97	—	—	0.5	µg/L	J	J	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.667	—	—	0.5	µg/L	J	J	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.36	—	—	0.5	µg/L	J	J	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.71	—	—	0.5	µg/L	J	J	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.06	—	—	0.5	µg/L	J	J	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	2.12	—	—	1.5	µg/L	J	J	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.5	µg/L	U	U	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.5	µg/L	U	U	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1	µg/L	U	U	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1	µg/L	U	U	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.5	µg/L	U	U	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.5	µg/L	U	U	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1	µg/L	U	U	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1	µg/L	U	U	10-3717	CASA-10-22709	GELC

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

Location	Port Name	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-43	P2A	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.9	—	—	0.053	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.3	—	—	0.053	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.2	—	—	0.053	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.2	—	—	0.053	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.9	—	—	0.053	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	101	—	—	1	µg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	94.5	—	—	1	µg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	91.4	—	—	1	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	93.3	—	—	1	µg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	85.6	—	—	1	µg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99.2	—	—	1	µg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	94.2	—	—	1	µg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	88	—	—	1	µg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	92.9	—	—	1	µg/L	—	—	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	86	—	—	1	µg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.13	—	—	0.067	µg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.972	—	—	0.067	µg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	0.067	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	0.05	µg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	0.05	µg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.13	—	—	0.067	µg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.974	—	—	0.067	µg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.18	—	—	0.067	µg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	0.05	µg/L	—	—	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	0.05	µg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.22	—	—	1	µg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.85	—	—	1	µg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.48	—	—	1	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.07	—	—	1	µg/L	—	—	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.73	—	—	1	µg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.47	—	—	1	µg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.19	—	—	1	µg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.09	—	—	1	µg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.65	—	—	1	µg/L	—	—	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.72	—	—	1	µg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	P2A	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.43	—	—	3.3	µg/L	J	J	11-3244	CASA-11-24786	GELC
R-43	P2A	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-2459	CASA-11-10821	GELC
R-43	P2A	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-1423	CASA-11-4569	GELC
R-43	P2A	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-551	CASA-11-1381	GELC
R-43	P2A	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	10-3717	CASA-10-22710	GELC
R-43	P2A	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-2459	CASA-11-10820	GELC
R-43	P2A	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-1423	CASA-11-4570	GELC
R-43	P2A	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	11-551	CASA-11-1380	GELC
R-43	P2A	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.3	µg/L	U	U	10-3717	CASA-10-22709	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	0.73	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	106	—	—	0.73	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	93.3	—	—	0.73	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.5	—	—	0.73	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	0.73	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.882	—	—	0.066	mg/L	—	—	11-3243	CASA-11-24763	GELC

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

Location	Port Name	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
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.926	—	—	0.066	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.943	—	—	0.066	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.917	—	—	0.066	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.937	—	—	0.066	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	77.4	—	—	0.05	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	68.1	—	—	0.05	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.4	—	—	0.05	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	68	—	—	0.05	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.3	—	—	0.05	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	75.4	—	—	0.05	mg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	64.7	—	—	0.05	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	66	—	—	0.05	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70	—	—	0.05	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	67.9	—	—	0.05	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	92	—	—	0.66	mg/L	—	J+	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	92.2	—	—	0.66	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	91.9	—	—	0.66	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	88.5	—	—	0.66	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	84.5	—	—	0.66	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.16	—	—	0.033	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.195	—	—	0.033	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.181	—	—	0.033	mg/L	—	J-	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.208	—	—	0.033	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	0.033	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	241	—	—	0.45	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	212	—	—	0.45	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	207	—	—	0.45	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	211	—	—	0.35	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	220	—	—	0.35	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	234	—	—	0.45	mg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	200	—	—	0.45	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	206	—	—	0.45	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	218	—	—	0.35	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	209	—	—	0.35	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.5	—	—	0.11	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.2	—	—	0.11	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.97	—	—	0.11	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10	—	—	0.085	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.1	—	—	0.085	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.2	—	—	0.11	mg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.37	—	—	0.11	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.98	—	—	0.11	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	0.085	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.63	—	—	0.085	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.38	—	—	0.1	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.83	—	—	0.05	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.03	—	—	0.1	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.14	—	—	0.1	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.1	—	—	0.1	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.895	—	—	0.1	µg/L	—	—	11-3243	CASA-11-24763	GELC

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

Location	Port Name	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
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.902	—	—	0.05	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.936	—	—	0.05	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.981	—	—	0.1	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.983	—	—	0.05	µg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	0.05	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	0.05	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	0.05	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	0.05	mg/L	—	J	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	0.05	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.99	—	—	0.05	mg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.16	—	—	0.05	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	0.05	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.41	—	—	0.05	mg/L	—	J	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	0.05	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.5	—	—	0.1	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	51.7	—	—	0.1	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.4	—	—	0.1	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.8	—	—	0.1	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	65.1	—	—	0.1	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.5	—	—	0.1	mg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.5	—	—	0.1	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.9	—	—	0.1	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.2	—	—	0.1	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	60.8	—	—	0.1	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	651	—	—	1	µS/cm	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	712	—	—	1	µS/cm	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	686	—	—	1	µS/cm	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	709	—	—	1	µS/cm	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	79.6	—	—	1	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	84.9	—	—	1	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	84.7	—	—	1	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85.5	—	—	1	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	89.9	—	—	1	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	454	—	—	3.4	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	487	—	—	2.4	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	456	—	—	2.4	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	465	—	—	2.4	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	484	—	—	2.4	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.841	—	—	0.33	mg/L	J	J	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.68	—	—	0.33	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.86	—	—	0.33	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.72	—	—	0.33	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.54	—	—	0.33	mg/L	—	—	10-3649	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.693	—	—	0.015	mg/L	—	J	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.735	—	—	0.015	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.895	—	—	0.015	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.722	—	—	0.015	mg/L	—	J	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.937	—	—	0.015	mg/L	—	J	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.46	—	—	0.01	SU	H	J-	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	0.01	SU	H	J-	11-2518	CASA-11-10804	GELC

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

Location	Port Name	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
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.59	—	—	0.01	SU	H	J-	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.54	—	—	0.01	SU	H	J-	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	51.3	—	—	1	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.6	—	—	1	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.9	—	—	1	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1	µg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.6	—	—	1	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.8	—	—	1	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.4	—	—	1	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.9	—	—	1	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.8	—	—	1	µg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	99.4	—	—	15	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	72.8	—	—	15	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	88.3	—	—	15	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	84.6	—	—	15	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	82.8	—	—	15	µg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	96	—	—	15	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	69	—	—	15	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	89.2	—	—	15	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	86.7	—	—	15	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	81.4	—	—	15	µg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.5	—	—	2	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.6	—	—	2	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.7	—	—	2	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.9	—	—	2.5	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.5	µg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.8	—	—	2	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.5	—	—	2	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.9	—	—	2	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.6	—	—	2.5	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.9	—	—	2.5	µg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	µg/L	U	U	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	µg/L	U	U	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	µg/L	U	U	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	µg/L	U	U	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	211	—	—	30	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	184	—	—	30	µg/L	—	J	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	74.9	—	—	30	µg/L	J	J	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	92.6	—	—	30	µg/L	J	J	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	µg/L	U	U	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	68.9	—	—	0.17	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	74.3	—	—	0.17	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	85.1	—	—	0.17	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	94.5	—	—	0.1	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	96.8	—	—	0.1	µg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	68.8	—	—	0.17	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	89.2	—	—	0.17	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	87.2	—	—	0.17	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	90.8	—	—	0.1	µg/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 Name	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
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	96.8	—	—	0.1	µg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.5	—	—	0.5	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.16	—	—	0.5	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.61	—	—	0.5	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.3	—	—	0.5	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.26	—	—	0.5	µg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.51	—	—	0.5	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.83	—	—	0.5	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.34	—	—	0.5	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.31	—	—	0.5	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.06	—	—	0.5	µg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	0.053	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.8	—	—	0.053	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.5	—	—	0.053	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.2	—	—	0.053	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.8	—	—	0.053	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	338	—	—	1	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	301	—	—	1	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	299	—	—	1	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	298	—	—	1	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	334	—	—	1	µg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	327	—	—	1	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	285	—	—	1	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	298	—	—	1	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	302	—	—	1	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1	µg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.95	—	—	0.067	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.06	—	—	0.067	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.7	—	—	0.067	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.82	—	—	0.05	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.76	—	—	0.05	µg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2	—	—	0.067	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.62	—	—	0.067	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.76	—	—	0.067	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.83	—	—	0.05	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.71	—	—	0.05	µg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	Single	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.13	—	—	1	µg/L	J	J	11-3243	CASA-11-24763	GELC
SCI-1	Single	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.25	—	—	1	µg/L	J	J	11-2518	CASA-11-10804	GELC
SCI-1	Single	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.66	—	—	1	µg/L	J	J	11-1404	CASA-11-4554	GELC
SCI-1	Single	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.49	—	—	1	µg/L	J	J	11-555	CASA-11-1361	GELC
SCI-1	Single	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	2.25	—	—	1	µg/L	J	U	10-3650	CASA-10-22647	GELC
SCI-1	Single	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.19	—	—	1	µg/L	J	J	11-3243	CASA-11-24764	GELC
SCI-1	Single	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.07	—	—	1	µg/L	J	J	11-2518	CASA-11-10805	GELC
SCI-1	Single	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.68	—	—	1	µg/L	J	J	11-1404	CASA-11-4553	GELC
SCI-1	Single	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.67	—	—	1	µg/L	J	J	11-555	CASA-11-1360	GELC
SCI-1	Single	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.17	—	—	1	µg/L	J	U	10-3650	CASA-10-22646	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.2	—	—	0.73	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.7	—	—	0.73	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	83.1	—	—	0.73	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.1	—	—	0.73	mg/L	—	—	11-1387	CASA-11-4555	GELC

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

Location	Port Name	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
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.8	—	—	0.73	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.3	—	—	0.73	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.52	—	—	0.066	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.505	—	—	0.066	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.505	—	—	0.066	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.506	—	—	0.066	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.47	—	—	0.066	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.465	—	—	0.066	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	66.8	—	—	0.05	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.5	—	—	0.05	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	68.3	—	—	0.05	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.6	—	—	0.05	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	67.5	—	—	0.05	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	67.9	—	—	0.05	mg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	68	—	—	0.05	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	67.1	—	—	0.05	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	65.2	—	—	0.05	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	68.8	—	—	0.05	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	60.2	—	—	0.66	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	60	—	—	0.66	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.9	—	—	0.66	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	63.5	—	—	0.33	mg/L	—	J+	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57	—	—	0.66	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.3	—	—	0.66	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00697	—	—	0.0015	mg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00689	—	—	0.0015	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0072	—	—	0.0015	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00565	—	—	0.0017	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00548	—	—	0.0017	mg/L	—	J-	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.193	—	—	0.033	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.199	—	—	0.033	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.249	—	—	0.033	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.226	—	—	0.033	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.215	—	—	0.033	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.172	—	—	0.033	mg/L	—	J-	10-3717	CASA-10-22651	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	231	—	—	0.45	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	228	—	—	0.45	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	235	—	—	0.45	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	228	—	—	0.45	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	232	—	—	0.35	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	235	—	—	0.45	mg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	234	—	—	0.45	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	231	—	—	0.45	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	223	—	—	0.45	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	237	—	—	0.35	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	15.5	—	—	0.11	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.1	—	—	0.11	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.6	—	—	0.11	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15	—	—	0.11	mg/L	N	J-	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.5	—	—	0.085	mg/L	—	—	11-555	CASA-11-1362	GELC

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

Location	Port Name	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
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	15.8	—	—	0.11	mg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.6	—	—	0.11	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.4	—	—	0.11	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.7	—	—	0.11	mg/L	N	J-	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.9	—	—	0.085	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.47	—	—	0.1	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.57	—	—	0.1	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.46	—	—	0.1	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.25	—	—	0.05	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.4	—	—	0.25	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	07/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.78	—	—	0.1	mg/L	—	J	10-3717	CASA-10-22651	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	1.04	—	—	0.1	µg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.01	—	—	0.1	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.06	—	—	0.1	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.05	—	—	0.1	µg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.04	—	—	0.1	µg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.08	—	—	0.1	µg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.7	—	—	0.05	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.63	—	—	0.05	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.72	—	—	0.05	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.6	—	—	0.05	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.73	—	—	0.05	mg/L	—	J	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.76	—	—	0.05	mg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.74	—	—	0.05	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.72	—	—	0.05	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.5	—	—	0.05	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.85	—	—	0.05	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	22	—	—	0.1	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.6	—	—	0.1	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.8	—	—	0.1	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.6	—	—	0.1	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.2	—	—	0.1	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	22.3	—	—	0.1	mg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22	—	—	0.1	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.4	—	—	0.1	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.1	—	—	0.1	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.6	—	—	0.1	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	589	—	—	1	µS/cm	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	590	—	—	1	µS/cm	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	103	—	—	1	µS/cm	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	84.5	—	—	1	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	84	—	—	1	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	86.4	—	—	1	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	91.6	—	—	0.5	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85.7	—	—	1	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	87.5	—	—	1	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	441	—	—	3.4	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	407	—	—	3.4	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	420	—	—	2.4	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	414	—	—	2.4	mg/L	—	—	11-1387	CASA-11-4555	GELC

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

Location	Port Name	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
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	450	—	—	2.4	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	07/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	426	—	—	2.4	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.766	—	—	0.33	mg/L	J	J	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.777	—	—	0.33	mg/L	J	J	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.16	—	—	0.33	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.07	—	—	0.33	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.38	—	—	0.33	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.119	—	—	0.015	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.144	—	—	0.015	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0371	—	—	0.015	mg/L	J	U	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.064	—	—	0.015	mg/L	—	U	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.052	—	—	0.015	mg/L	—	U	11-555	CASA-11-1362	GELC
SCI-2	Single	548	07/15/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.059	—	—	0.015	mg/L	—	U	10-3717	CASA-10-22651	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.78	—	—	0.01	SU	H	J-	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.74	—	—	0.01	SU	H	J-	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.78	—	—	0.01	SU	H	J-	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	64.7	—	—	1	µg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	65	—	—	1	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	65.4	—	—	1	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	65	—	—	1	µg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	65.5	—	—	1	µg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	66.2	—	—	1	µg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65.7	—	—	1	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.5	—	—	1	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	61.7	—	—	1	µg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	67	—	—	1	µg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	21.6	—	—	15	µg/L	J	J	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.5	—	—	15	µg/L	J	J	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	15	µg/L	J	J	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.1	—	—	15	µg/L	J	J	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.5	—	—	15	µg/L	J	J	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	22.2	—	—	15	µg/L	J	J	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.5	—	—	15	µg/L	J	J	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	15	µg/L	J	J	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	15	µg/L	J	J	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.2	—	—	15	µg/L	J	J	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	511	—	—	2	µg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	504	—	—	2	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	508	—	—	2	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	441	—	—	2	µg/L	E	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	512	—	—	2.5	µg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	498	—	—	2	µg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	513	—	—	2	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	502	—	—	2	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	466	—	—	2	µg/L	E	—	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	497	—	—	2.5	µg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.86	—	—	3	µg/L	J	J	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.06	—	—	3	µg/L	J	J	11-3176	CASA-11-24765	GELC

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

Location	Port Name	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
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.23	—	—	3	µg/L	J	J	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	µg/L	U	U	11-555	CASA-11-1363	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	µg/L	U	U	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	32.4	—	—	30	µg/L	J	J	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	µg/L	U	U	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	41.4	—	—	30	µg/L	J	J	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	36.8	—	—	30	µg/L	J	J	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	50.3	—	—	30	µg/L	J	J	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	32.5	—	—	30	µg/L	J	J	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	106	—	—	30	µg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.709	—	—	0.17	µg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.702	—	—	0.17	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.68	—	—	0.17	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.795	—	—	0.17	µg/L	—	U	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.963	—	—	0.1	µg/L	—	U	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.711	—	—	0.17	µg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.737	—	—	0.17	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.674	—	—	0.17	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.817	—	—	0.17	µg/L	—	U	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.948	—	—	0.1	µg/L	—	U	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	17	—	—	0.5	µg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.8	—	—	0.5	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17	—	—	0.5	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.5	—	—	0.5	µg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19	—	—	0.5	µg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	16.9	—	—	0.5	µg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	17.2	—	—	0.5	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.9	—	—	0.5	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	17.4	—	—	0.5	µg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.2	—	—	0.5	µg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Metals	SW-846:6020	Selenium	—	1.79	—	—	1.5	µg/L	J	J	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	2.14	—	—	1.5	µg/L	J	J	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.5	µg/L	U	U	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.5	µg/L	U	U	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1	µg/L	U	U	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Metals	SW-846:6020	Selenium	—	1.82	—	—	1.5	µg/L	J	J	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.74	—	—	1.5	µg/L	J	J	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.5	µg/L	U	U	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.5	µg/L	U	U	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1	µg/L	U	U	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	64.4	—	—	0.27	mg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.9	—	—	0.27	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.5	—	—	0.053	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.9	—	—	0.053	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.9	—	—	0.053	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.2	—	—	0.053	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	325	—	—	1	µg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	321	—	—	1	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	316	—	—	1	µg/L	—	—	11-2608	CASA-11-10806	GELC

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

Location	Port Name	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
SCI-2	Single	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	322	—	—	1	µg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	325	—	—	1	µg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	330	—	—	1	µg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	328	—	—	1	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	310	—	—	1	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	316	—	—	1	µg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	335	—	—	1	µg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.36	—	—	0.067	µg/L	—	—	11-3176	CASA-11-24768	GELC
SCI-2	Single	548	08/11/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	0.067	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	Single	548	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	0.067	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	Single	548	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.39	—	—	0.067	µg/L	—	J	11-1387	CASA-11-4555	GELC
SCI-2	Single	548	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.51	—	—	0.05	µg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.35	—	—	0.067	µg/L	—	—	11-3176	CASA-11-24767	GELC
SCI-2	Single	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	0.067	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	Single	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.54	—	—	0.067	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	Single	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	0.067	µg/L	—	J	11-1387	CASA-11-4556	GELC
SCI-2	Single	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	0.05	µg/L	—	—	11-555	CASA-11-1363	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
4,4'-DDD	4,4'-dichlorodiphenyldichloroethane
4,4'-DDT	4,4'-dichlorodiphenyltrichloroethane
BHC	benzene hexachloride
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-dinitroso-5-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	mononitroso-RDX (or hexahydro-1-nitroso-3,5-dinitro-1,3,5-triazine)
MS	matrix spike
MSD	matrix spike duplicate
NM	NMWQCC
NMED	New Mexico Environment Department
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
RF	response factor
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
Scr	screening
SSC	suspended sediment concentration
SU	standard unit
TDS	total dissolved solids
TPH-DRO	total petroleum hydrocarbons—diesel range organics
TNX	trinitroso-RDX (or hexahydro-1,3,5-trinitroso-1,3,5-triazine)
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

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Field QC Type Codes (continued)	
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
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

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
RE	reanalysis
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 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.
UH	See U code and see H code.

Analytical Laboratory Qualifier Codes (continued)

Code	Description
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.
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
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.
R4	The sample result is ≤5× the concentration of the related analyte in the method blank.
R4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was >5×.
R5	The results for the affected analytes are considered not detected (U) because the associated sample concentration was ≤ the minimum detectable concentration.
SV7d	The initial calibration verification (ICV) and/or continuing calibration verification (CCV) were not analyzed at the appropriate method frequency.
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.
V7c	The ICV and/or CCV were recovered outside the method-specific limits.

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	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Regional	R-1	SINGLE	1031.1	06/03/11	H-3	UF	CS	—*	<	−0.64	0.77	2.58633	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-15	SINGLE	958.6	05/31/11	H-3	UF	CS	—	—	33.49	5.20	2.80984	pCi/L	Generic:Low_Level_Tritium	ARSL	—	J	R4a
Regional	R-42	SINGLE	931.8	05/31/11	H-3	UF	CS	—	—	206.81	31.13	2.90563	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-28	SINGLE	934.3	06/01/11	H-3	UF	CS	—	—	170.19	25.64	3.00142	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-45	MULTI	880	05/20/11	H-3	UF	CS	—	—	2.39	0.77	2.17124	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-45	MULTI	974.9	05/20/11	H-3	UF	CS	—	<	1.31	0.86	2.74598	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-61	MULTI	1125	05/20/11	H-3	UF	CS	—	<	7.76	1.37	2.10738	pCi/L	Generic:Low_Level_Tritium	ARSL	—	U	R4
Regional	R-61	MULTI	1220.4	05/24/11	H-3	UF	CS	—	<	−0.38	0.61	2.10738	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-50	MULTI	1077	05/25/11	H-3	UF	CS	FD	—	23.88	3.77	2.5544	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-50	MULTI	1077	05/25/11	H-3	UF	CS	—	—	20.12	3.16	1.94773	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-50	MULTI	1185	05/24/11	H-3	UF	CS	—	<	0.93	0.77	2.52247	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-44	MULTI	895	05/19/11	H-3	UF	CS	—	<	0.83	0.77	2.52247	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-44	MULTI	985.3	05/19/11	H-3	UF	CS	—	<	0.61	0.73	2.45861	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-13	SINGLE	958.3	05/25/11	H-3	UF	CS	—	<	−0.70	0.67	2.33089	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-34	SINGLE	883.7	05/25/11	H-3	UF	CS	—	<	0.64	0.67	2.2351	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-16r	SINGLE	600	05/20/11	H-3	UF	CS	—	<	−0.29	0.86	2.90563	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-16	MULTI	863.4	05/27/11	H-3	UF	CS	—	<	−1.09	0.83	2.77791	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-16	MULTI	863.4	05/27/11	H-3	UF	CS	FD	<	−0.10	0.89	3.00142	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-16	MULTI	1237	05/27/11	H-3	UF	CS	—	<	−0.38	0.89	3.06528	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

Note: Results, uncertainties, and MDAs for tritium analyzed by ARSL are being reviewed.
* — = None.

Table D-2
Mortandad Previously Unreported Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional	R-34	SINGLE	884	05/25/11	—*	F	CS	ClO4	SW-846:6850	—	0.356	0.05	mg/L	1	—	—	—	GELC

* — = None.

Table D-3
Sandia Previously Unreported Groundwater Radiochemistry

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
Regional	R-10	MULTI	1042	05/26/11	Bi-214	UF	CS	—*	—	22.7	5.8	8.2	pCi/L	GELC	EPA:901.1	—	—	—

* — = None.

Table D-4
Sandia Previously Unreported 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	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Intermediate	SCI-1	SINGLE	358.4	05/24/11	H-3	UF	CS	—*	—	77.40	11.72	2.17124	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	SCI-2	SINGLE	548	06/02/11	H-3	UF	CS	FD	—	433.26	65.11	2.90563	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	SCI-2	SINGLE	548	06/02/11	H-3	UF	CS	—	<	−0.83	0.54	1.85194	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	R-12	MULTI	459	06/03/11	H-3	UF	CS	—	<	14.91	2.46	2.74598	pCi/L	Generic:Low_Level_Tritium	ARSL	—	U	R4
Intermediate	R-12	MULTI	504.5	05/26/11	H-3	UF	CS	—	—	40.23	6.19	2.8737	pCi/L	Generic:Low_Level_Tritium	ARSL	—	J	R4a
Regional	R-43	MULTI	903.9	05/18/11	H-3	UF	CS	—	<	0.26	0.73	2.42668	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-43	MULTI	969.1	05/18/11	H-3	UF	CS	—	<	−0.54	0.73	2.52247	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-11	SINGLE	855	05/23/11	H-3	UF	CS	—	—	3.77	0.89	2.07545	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-35b	SINGLE	825.4	06/01/11	H-3	UF	CS	—	<	0.03	0.83	2.77791	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-35a	SINGLE	1013.1	05/23/11	H-3	UF	CS	—	<	−1.12	0.77	2.58633	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-36	SINGLE	766.9	06/02/11	H-3	UF	CS	—	—	15.93	2.62	2.84177	pCi/L	Generic:Low_Level_Tritium	ARSL	—	J	R4a

Note: Results, uncertainties, and MDAs for tritium analyzed by ARSL are being reviewed.
* — = None.

Table D-5
Sandia Previously Unreported Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional	R-10	MULTI	874	05/26/11	—*	F	CS	ClO4	SW-846:6850	—	0.495	0.05	µg/L	1	—	—	—	GELC
Regional	R-10	MULTI	1042	05/26/11	—	F	CS	ClO4	SW-846:6850	—	0.521	0.05	µg/L	1	—	—	—	GELC
Regional	R-10a	SINGLE	690	05/26/11	—	F	CS	ClO4	SW-846:6850	—	0.845	0.05	µg/L	1	—	—	—	GELC

* — = None.

Table D-6
Sandia Previously Unreported Groundwater Organic Chemistry

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)
Regional	R-10a	SINGLE	690	05/26/11	—*	UF	CS	SVOA	Diethylphthalate	84-66-2	—	17.3	2.1	µg/L	1	—	—	—	SW-846:8270C	GELC	29,000	—

* — = None.

Table D-7
Mortandad Groundwater General 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-7	SINGLE	39	08/03/11	F	—*	CS	—	7.89	—	1	µg/L	GELC	—	—	—	15	0.53	—	—	4	1.97
ClO4	Intermediate	MCOI-5	SINGLE	689	08/10/11	F	—	CS	—	82.8	—	5	µg/L	GELC	—	—	—	15	5.52	—	—	4	20.7
ClO4	Intermediate	MCOI-6	SINGLE	686	08/10/11	F	—	CS	—	71.2	—	5	µg/L	GELC	—	—	—	15	4.75	—	—	4	17.8
ClO4	Regional	R-15	SINGLE	958.6	08/15/11	F	—	CS	—	7.86	—	1	µg/L	GELC	—	—	—	15	0.52	—	—	4	1.97
ClO4	Regional	R-61	MULTI	1125	08/18/11	F	—	CS	—	2.96	—	0.25	µg/L	GELC	—	—	—	—	—	—	—	4	0.74
F(-1)	Alluvial	MCO-7	SINGLE	39	08/03/11	F	—	CS	—	0.921	—	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.58	—	—
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	08/10/11	F	—	CS	—	9.4	—	0.1	mg/L	GELC	—	—	—	10	0.94	10	0.94	—	—
NO3+NO2-N	Regional	R-42	SINGLE	931.8	08/02/11	F	—	CS	—	5.75	—	0.05	mg/L	GELC	—	—	—	10	0.58	10	0.58	—	—

* — = 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-7	SINGLE	39	08/03/11	—*	F	CS	ClO4	SW-846:6850	—	7.89	1	µg/L	20	—	—	—	GELC
Intermediate	MCOI-5	SINGLE	689	08/10/11	—	F	CS	ClO4	SW-846:6850	—	82.8	5	µg/L	100	—	—	—	GELC
Intermediate	MCOI-6	SINGLE	686	08/10/11	—	F	CS	ClO4	SW-846:6850	—	71.2	5	µg/L	100	—	—	—	GELC
Regional	R-46	SINGLE	1340	08/03/11	—	F	CS	ClO4	SW-846:6850	—	0.345	0.05	µg/L	1	—	—	—	GELC
Regional	R-14	SINGLE	1201	08/03/11	—	F	CS	ClO4	SW-846:6850	—	0.321	0.05	µg/L	1	—	—	—	GELC
Regional	R-1	SINGLE	1031	08/02/11	—	F	CS	ClO4	SW-846:6850	—	0.334	0.05	µg/L	1	—	—	—	GELC
Regional	R-33	MULTI	996	08/04/11	—	F	CS	ClO4	SW-846:6850	—	0.422	0.05	µg/L	1	—	—	—	GELC
Regional	R-33	MULTI	996	08/04/11	FD	F	CS	ClO4	SW-846:6850	—	0.436	0.05	µg/L	1	—	—	—	GELC
Regional	R-33	MULTI	1112	08/04/11	—	F	CS	ClO4	SW-846:6850	—	0.369	0.05	µg/L	1	—	—	—	GELC
Regional	R-15	SINGLE	959	08/15/11	—	F	CS	ClO4	SW-846:6850	—	7.86	1	µg/L	20	—	—	—	GELC
Regional	R-42	SINGLE	932	08/02/11	—	F	CS	ClO4	SW-846:6850	—	1.42	0.1	µg/L	2	—	—	—	GELC
Regional	R-28	SINGLE	934	08/02/11	—	F	CS	ClO4	SW-846:6850	—	1.04	0.1	µg/L	2	—	—	—	GELC
Regional	R-45	MULTI	880	08/01/11	—	F	CS	ClO4	SW-846:6850	—	0.547	0.05	µg/L	1	—	—	—	GELC
Regional	R-45	MULTI	975	08/01/11	—	F	CS	ClO4	SW-846:6850	—	0.403	0.05	µg/L	1	—	—	—	GELC
Regional	R-61	MULTI	1125	08/18/11	—	F	CS	ClO4	SW-846:6850	—	2.96	0.25	µg/L	5	—	—	—	GELC
Regional	R-61	MULTI	1220	08/19/11	—	F	CS	ClO4	SW-846:6850	—	0.205	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1077	08/04/11	—	F	CS	ClO4	SW-846:6850	—	0.488	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1077	08/04/11	FD	F	CS	ClO4	SW-846:6850	—	0.506	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1077	08/04/11	PEB	UF	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Regional	R-50	MULTI	1185	08/08/11	—	F	CS	ClO4	SW-846:6850	—	0.331	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	895	08/05/11	—	F	CS	ClO4	SW-846:6850	—	0.409	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	985	08/05/11	—	F	CS	ClO4	SW-846:6850	—	0.353	0.05	µg/L	1	—	—	—	GELC
Regional	R-13	SINGLE	958	08/01/11	—	F	CS	ClO4	SW-846:6850	—	0.404	0.05	µg/L	1	—	—	—	GELC
Regional	R-16r	SINGLE	600	08/10/11	—	F	CS	ClO4	SW-846:6850	—	0.387	0.05	µg/L	1	—	—	—	GELC
Regional	R-16	MULTI	863	08/18/11	—	F	CS	ClO4	SW-846:6850	—	0.429	0.05	µg/L	1	—	—	—	GELC
Regional	R-16	MULTI	863	08/18/11	FD	F	CS	ClO4	SW-846:6850	—	0.433	0.05	µg/L	1	—	—	—	GELC
Regional	R-16	MULTI	1237	08/18/11	—	F	CS	ClO4	SW-846:6850	—	0.352	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	08/10/11	Cr	F	CS	—*	—	55.1	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.55	50	1.1
Intermediate	MCOI-6	SINGLE	686	08/10/11	Cr	UF	CS	—	—	58.8	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.59	—	—
Regional	R-42	SINGLE	931.8	08/02/11	Cr	F	CS	—	—	965	2	µg/L	GELC	—	—	—	SW-846:6020	100	9.65	50	19.3
Regional	R-42	SINGLE	931.8	08/02/11	Cr	UF	CS	—	—	984	2	µg/L	GELC	—	—	—	SW-846:6020	100	9.84	—	—
Regional	R-28	SINGLE	934.3	08/02/11	Cr	F	CS	—	—	428	2	µg/L	GELC	—	—	—	SW-846:6020	100	4.28	50	8.56
Regional	R-28	SINGLE	934.3	08/02/11	Cr	UF	CS	—	—	413	2	µg/L	GELC	—	—	—	SW-846:6020	100	4.13	—	—
Regional	R-61	MULTI	1125	08/18/11	Fe	F	CS	—	—	2550	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	2.55
Regional	R-61	MULTI	1125	08/18/11	Mn	F	CS	—	—	1100	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	5.5
Regional	R-61	MULTI	1220.4	08/19/11	Fe	F	CS	—	—	5590	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	5.59
Regional	R-61	MULTI	1220.4	08/19/11	Mn	F	CS	—	—	908	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	4.54
Regional	R-50	MULTI	1077	08/04/11	Cr	F	CS	FD	—	69.5	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.7	50	1.39
Regional	R-50	MULTI	1077	08/04/11	Cr	F	CS	—	—	71.2	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.71	50	1.42
Regional	R-50	MULTI	1077	08/04/11	Cr	UF	CS	FD	—	71.8	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.72	—	—
Regional	R-50	MULTI	1077	08/04/11	Cr	UF	CS	—	—	71.9	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.72	—	—

* — = None.

Table D-10
Mortandad Groundwater Organic Chemistry

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-6	SINGLE	686	08/10/11	—*	UF	CS	VOA	Chloroform	67-66-3	—	0.32	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.17	—	—	100	—
Regional	R-14	SINGLE	1200.6	08/03/11	FB	UF	CS	SVOA	Benzo(a)pyrene	50-32-8	—	0.34	0.31	µg/L	1	J	J	SV7d	SW-846:8270C	GELC	0.2	1.7	0.029	11.72	—	—	0.7	0.49
Regional	R-14	SINGLE	1200.6	08/03/11	FB	UF	CS	SVOA	Benzo(g,h,i)perylene	191-24-2	—	0.381	0.31	µg/L	1	J	J	SV7d	SW-846:8270C	GELC	—	—	—	—	—	—	—	—
Regional	R-14	SINGLE	1200.6	08/03/11	FB	UF	CS	SVOA	Dibenz(a,h)anthracene	53-70-3	—	0.392	0.31	µg/L	1	J	J	SV7d	SW-846:8270C	GELC	—	—	0.029	13.52	—	—	—	—
Regional	R-14	SINGLE	1200.6	08/03/11	FB	UF	CS	SVOA	Diethylphthalate	84-66-2	—	7.08	3.1	µg/L	1	J	J	SV7d	SW-846:8270C	GELC	—	—	—	—	29,000	—	—	—
Regional	R-14	SINGLE	1200.6	08/03/11	FB	UF	CS	SVOA	Indeno(1,2,3-cd)pyrene	193-39-5	—	0.34	0.31	µg/L	1	J	J	SV7d	SW-846:8270C	GELC	—	—	0.29	1.17	—	—	—	—
Regional	R-61	MULTI	1125	08/18/11	FD	UF	CS	VOA	Acetone	67-64-1	—	75.6	3.5	µg/L	1	—	J	V7c	SW-846:8260B	GELC	—	—	—	—	22,000	—	—	—
Regional	R-61	MULTI	1125	08/18/11	—	UF	CS	VOA	Acetone	67-64-1	—	78.1	3.5	µg/L	1	—	J	V7c	SW-846:8260B	GELC	—	—	—	—	22,000	—	—	—
Regional	R-61	MULTI	1125	08/18/11	—	UF	CS	VOA	Methyl-2-pentanone[4-]	108-10-1	—	1.52	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	2000	—	—	—
Regional	R-61	MULTI	1125	08/18/11	FD	UF	CS	VOA	Toluene	108-88-3	—	32.7	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1000	0.03	—	—	2300	0.01	750	0.04
Regional	R-61	MULTI	1125	08/18/11	—	UF	CS	VOA	Toluene	108-88-3	—	33.2	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1000	0.03	—	—	2300	0.01	750	0.04
Regional	R-61	MULTI	1220.4	08/19/11	—	UF	CS	PEST/PCB	BHC[beta-]	319-85-7	—	0.0117	0.007	µg/L	1	J	J	J_LAB	SW-846:8081A	GELC	—	—	0.37	0.03	—	—	—	—
Regional	R-61	MULTI	1220.4	08/19/11	FD	UF	CS	SVOA	Methylphenol[4-]	106-44-5	—	4.58	3.3	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	—	—	180	0.03	—	—
Regional	R-61	MULTI	1220.4	08/19/11	—	UF	CS	SVOA	Methylphenol[4-]	106-44-5	—	4.11	3	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	—	—	180	0.02	—	—
Regional	R-61	MULTI	1220.4	08/19/11	FD	UF	CS	VOA	Acetone	67-64-1	—	6.62	3.5	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	22,000	—	—	—
Regional	R-61	MULTI	1220.4	08/19/11	—	UF	CS	VOA	Acetone	67-64-1	—	6.52	3.5	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	22,000	—	—	—
Regional	R-61	MULTI	1220.4	08/19/11	FD	UF	CS	VOA	Butanone[2-]	78-93-3	—	1.88	1.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	7100	—	—	—
Regional	R-61	MULTI	1220.4	08/19/11	—	UF	CS	VOA	Butanone[2-]	78-93-3	—	1.87	1.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	7100	—	—	—
Regional	R-61	MULTI	1220.4	08/19/11	FD	UF	CS	VOA	Toluene	108-88-3	—	2.29	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-61	MULTI	1220.4	08/19/11	—	UF	CS	VOA	Toluene	108-88-3	—	2.29	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—

* — = None.

Table D-11
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)	Consent Order Screening Level	Ratio (Result/Screening Level)
NO3+NO2-N	Regional	R-43	MULTI	903.9	08/16/11	F	—*	CS	—	5.56	—	0.1	mg/L	GELC	—	—	—	10	0.56	10	0.56	10	0.56
NO3+NO2-N	Regional	R-11	SINGLE	855	08/12/11	F	—	CS	—	5.15	—	0.1	mg/L	GELC	—	—	—	10	0.52	10	0.52	10	0.52

* — = None.

Table D-12
Sandia Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Intermediate	SCI-1	SINGLE	358	08/16/11	—*	F	CS	ClO4	SW-846:6850	—	0.895	0.1	µg/L	2	—	—	—	GELC
Intermediate	SCI-2	SINGLE	548	08/11/11	—	F	CS	ClO4	SW-846:6850	—	1.01	0.1	µg/L	2	—	—	—	GELC
Intermediate	SCI-2	SINGLE	548	08/11/11	FD	F	CS	ClO4	SW-846:6850	—	1.04	0.1	µg/L	2	—	—	—	GELC
Regional	R-43	MULTI	904	08/16/11	—	F	CS	ClO4	SW-846:6850	—	0.982	0.05	µg/L	1	—	—	—	GELC
Regional	R-43	MULTI	969	08/16/11	—	F	CS	ClO4	SW-846:6850	—	0.435	0.05	µg/L	1	—	—	—	GELC
Regional	R-11	SINGLE	855	08/12/11	—	F	CS	ClO4	SW-846:6850	—	0.862	0.05	µg/L	1	—	—	—	GELC
Regional	R-35b	SINGLE	825	08/12/11	—	F	CS	ClO4	SW-846:6850	—	0.545	0.05	µg/L	1	—	—	—	GELC
Regional	R-35a	SINGLE	1013	08/17/11	—	F	CS	ClO4	SW-846:6850	—	0.443	0.05	µg/L	1	—	—	—	GELC
Regional	R-36	SINGLE	767	08/15/11	—	F	CS	ClO4	SW-846:6850	—	1.55	0.25	µg/L	5	—	—	—	GELC

* — = None.

Table D-13
Sandia Groundwater Metals

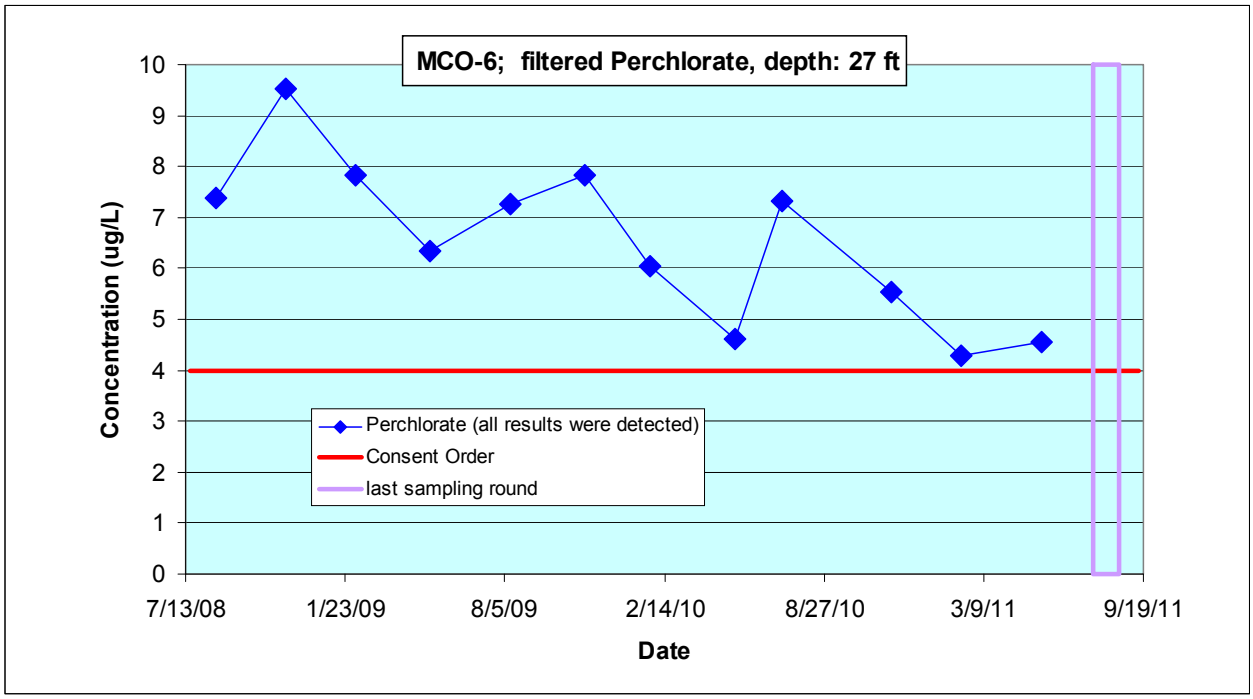
Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	SCI-2	SINGLE	548	08/11/11	Cr	F	CS	FD	—*	511	2	µg/L	GELC	—	—	—	SW-846:6020	100	5.11	50	10.22
Intermediate	SCI-2	SINGLE	548	08/11/11	Cr	F	CS	—	—	504	2	µg/L	GELC	—	—	—	SW-846:6020	100	5.04	50	10.08
Intermediate	SCI-2	SINGLE	548	08/11/11	Cr	UF	CS	FD	—	498	2	µg/L	GELC	—	—	—	SW-846:6020	100	4.98	—	—
Intermediate	SCI-2	SINGLE	548	08/11/11	Cr	UF	CS	—	—	513	2	µg/L	GELC	—	—	—	SW-846:6020	100	5.13	—	—
Regional	R-43	MULTI	903.9	08/16/11	Cr	F	CS	—	—	28.6	2	µg/L	GELC	—	—	—	SW-846:6020	—	—	50	0.57

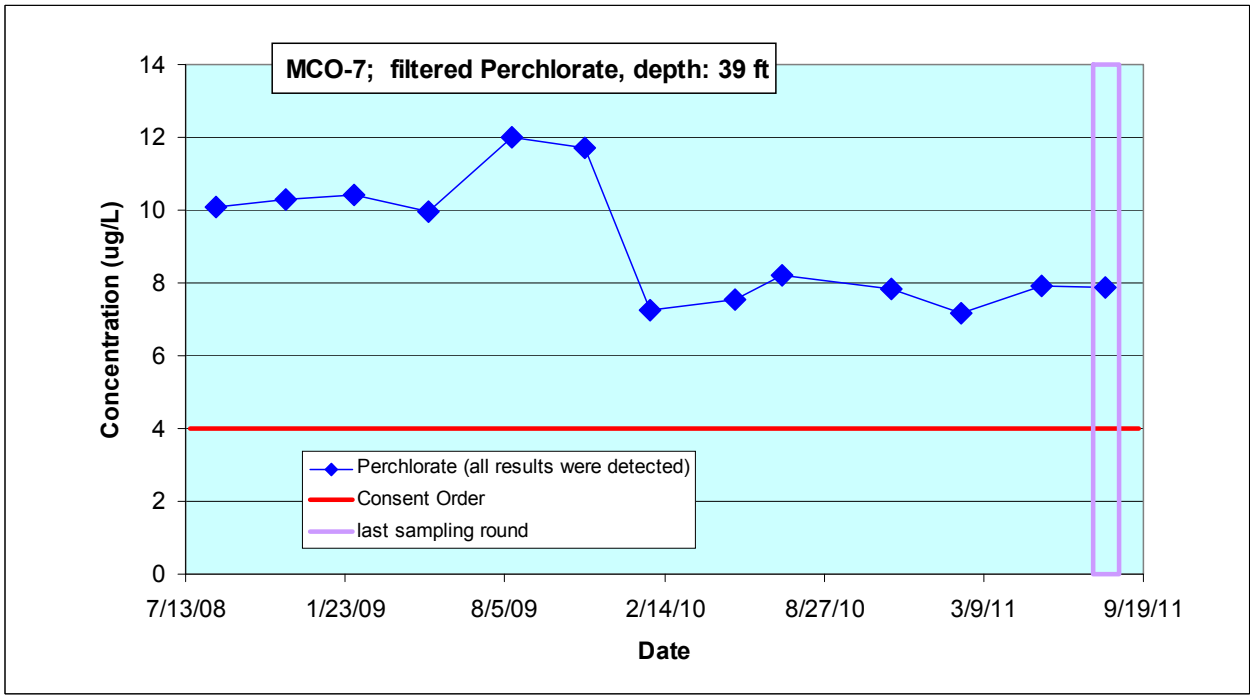
* — = None.

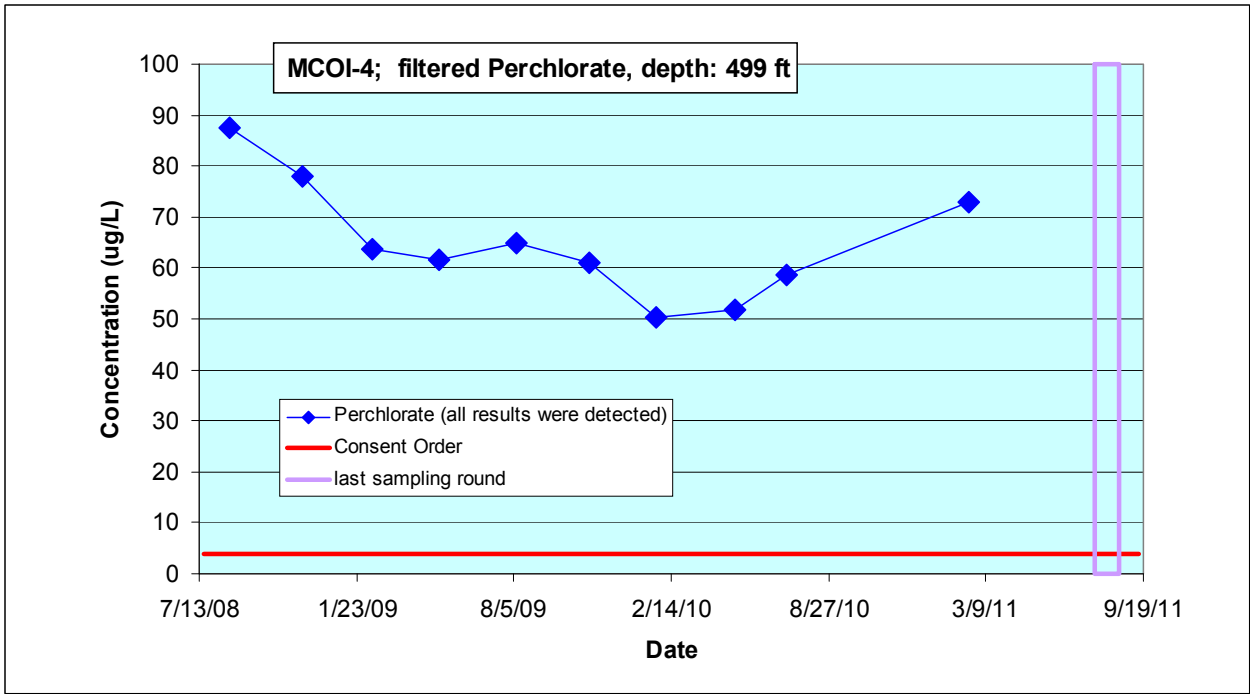
Appendix E

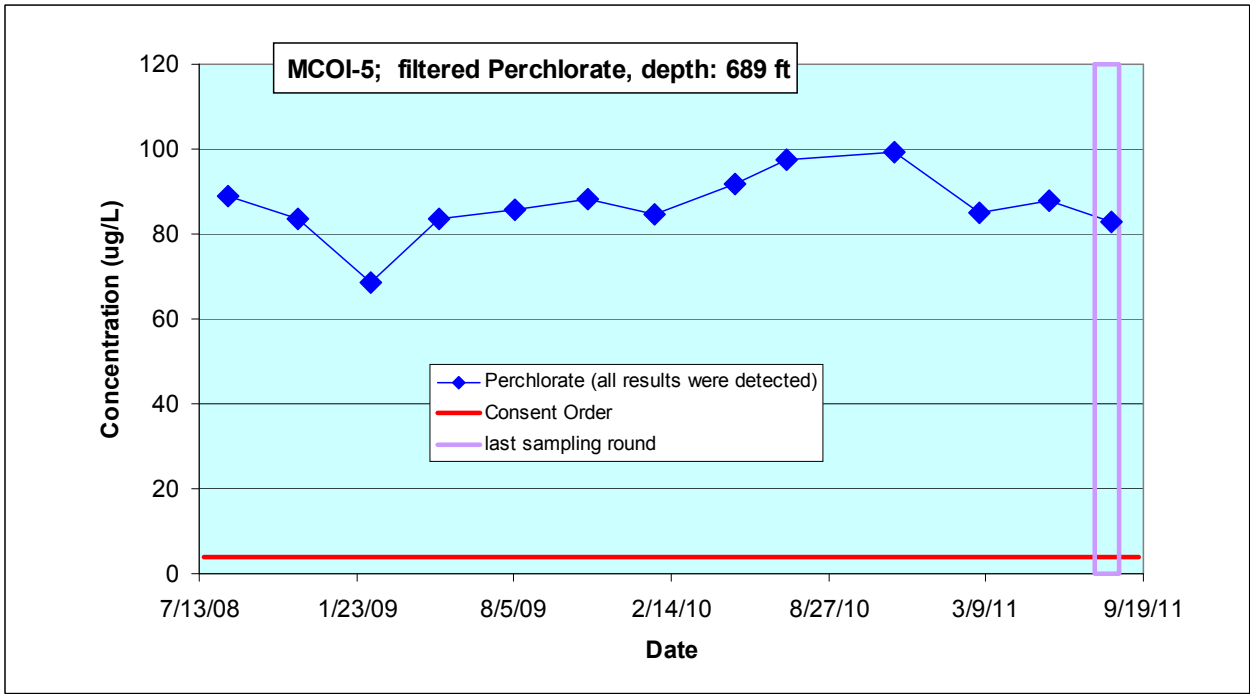
Analytical Chemistry Graphs of
Screening-Level Exceedances

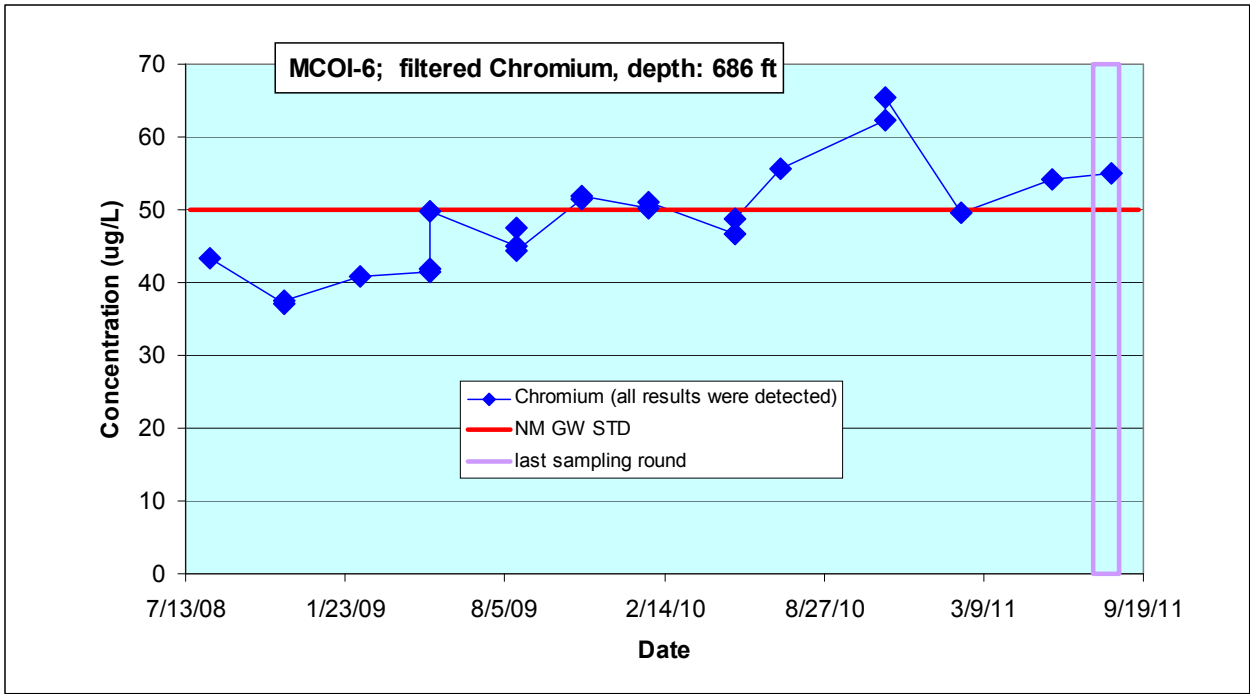
E-1.0 MORTANDAD WATERSHED

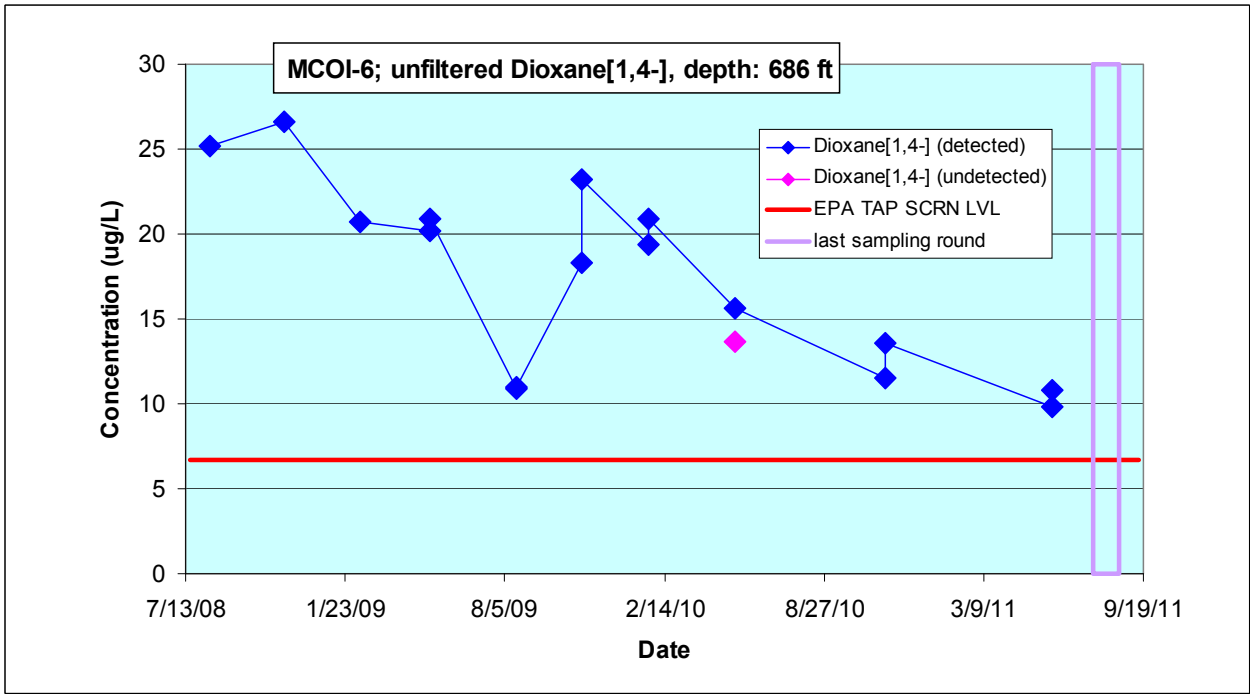


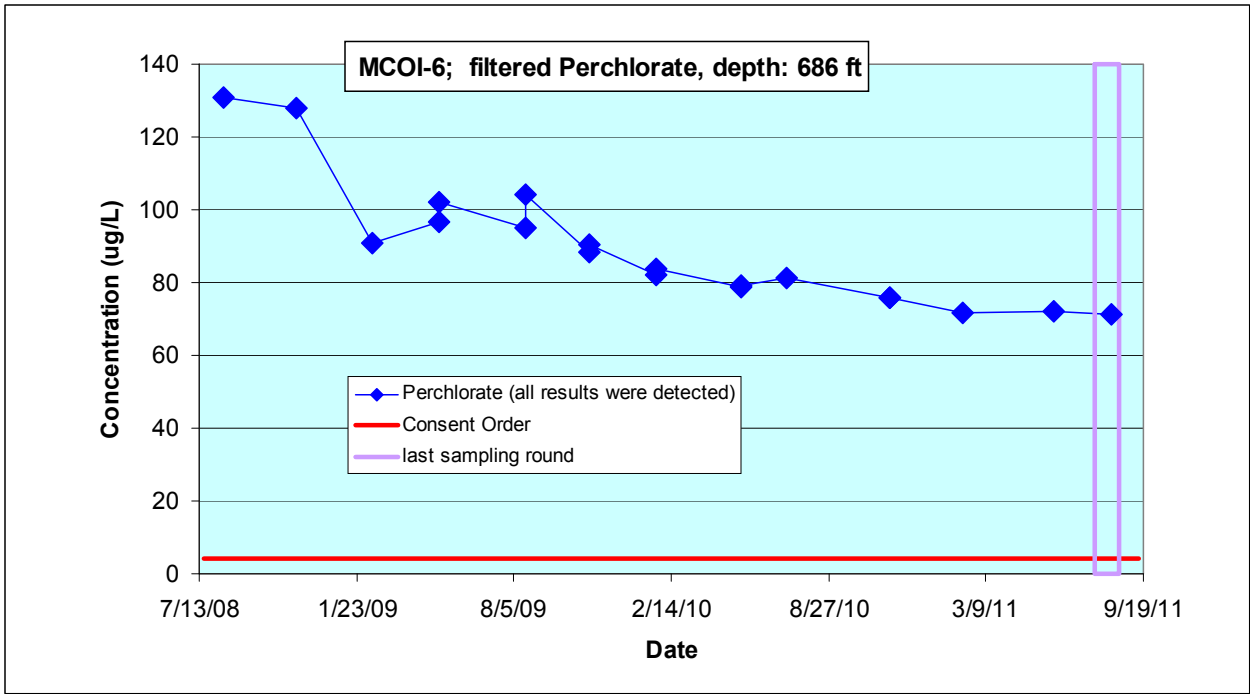


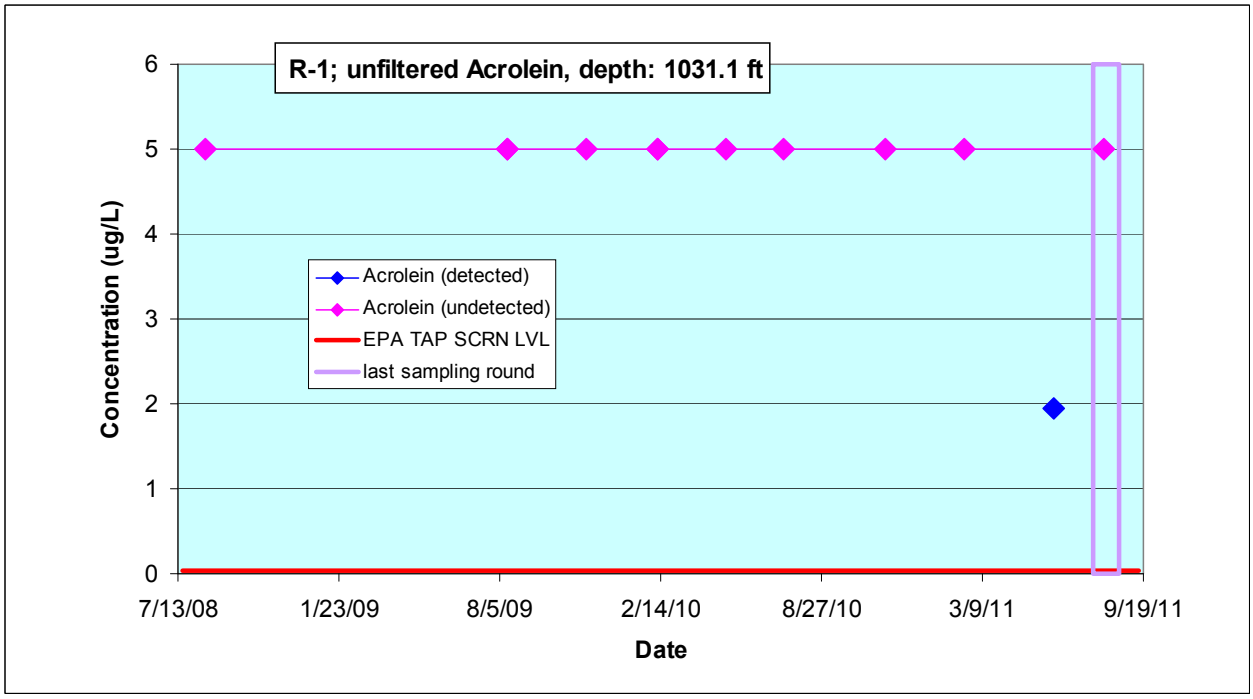

MCOI-4; filtered Perchlorate, depth: 499 ft
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

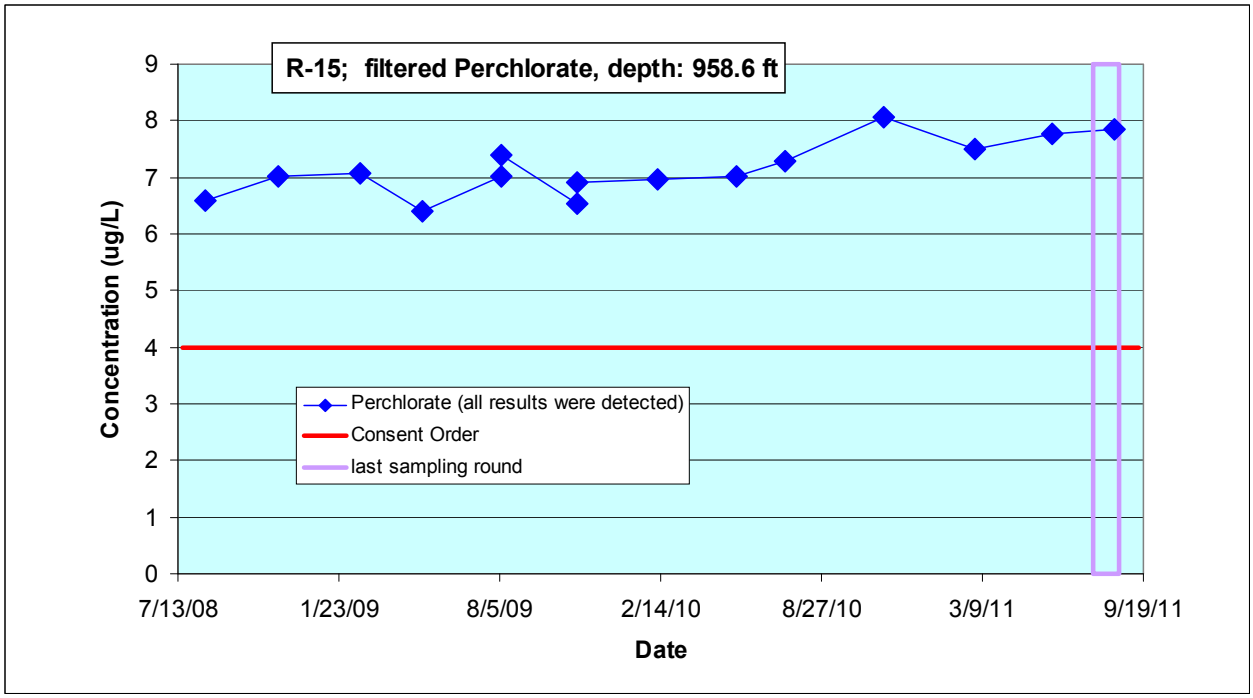

MCOI-5; filtered Perchlorate, depth: 689 ft
Concentration (ug/L)
120
100
80
60
40
20
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

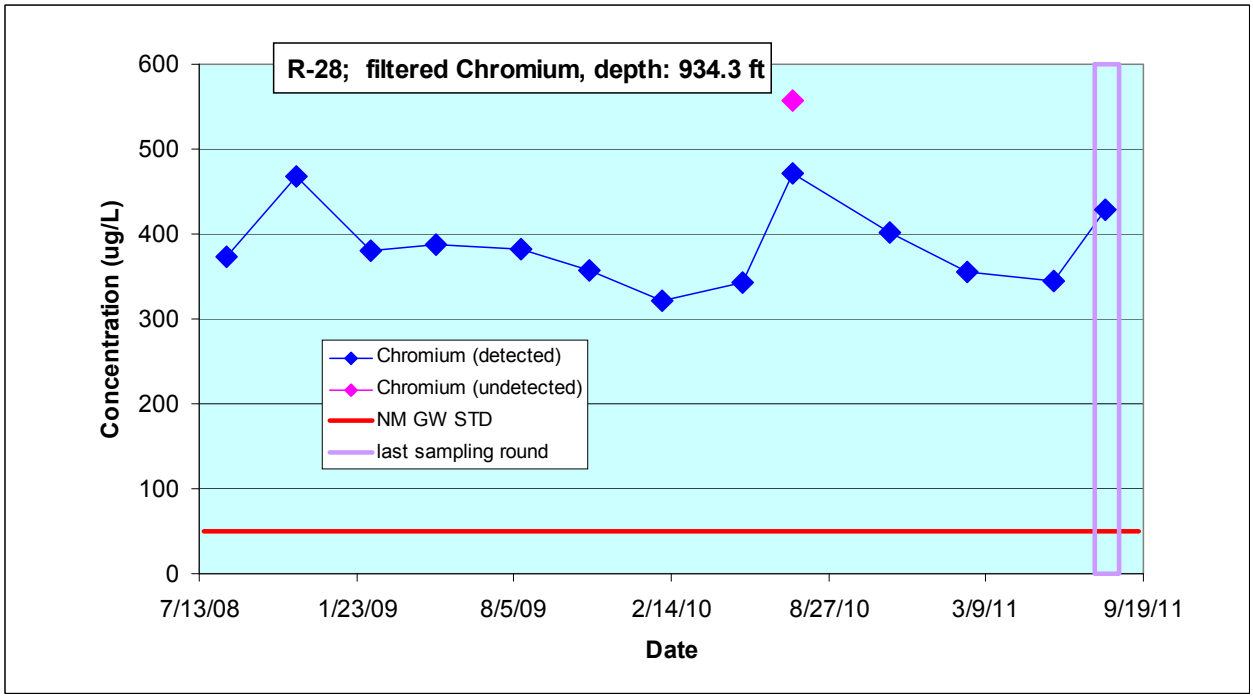

MCOI-6; filtered Chromium, depth: 686 ft
Concentration (ug/L)
70
60
50
40
30
20
10
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date
Chromium (all results were detected)
NM GW STD
last sampling round

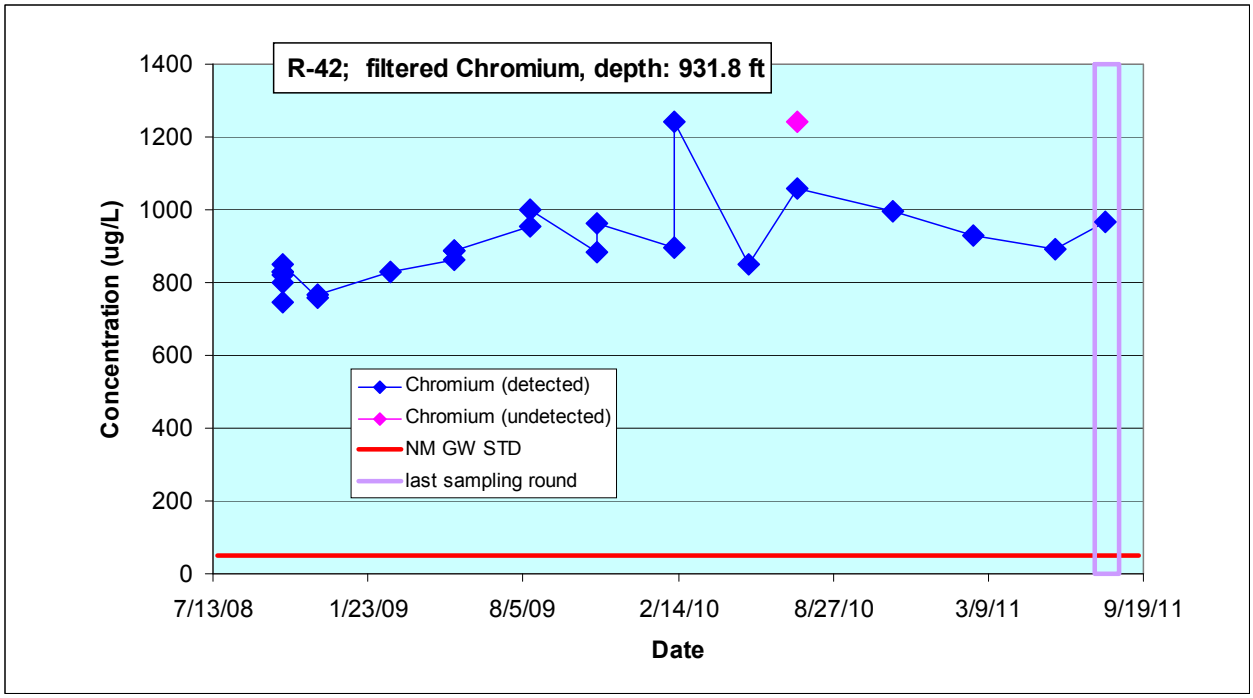

MCOI-6; unfiltered Dioxane[1,4-], depth: 686 ft
Concentration (ug/L)
30
25
20
15
10
5
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date
Dioxane[1,4-] (detected)
Dioxane[1,4-] (undetected)
EPA TAP SCRN LVL
last sampling round

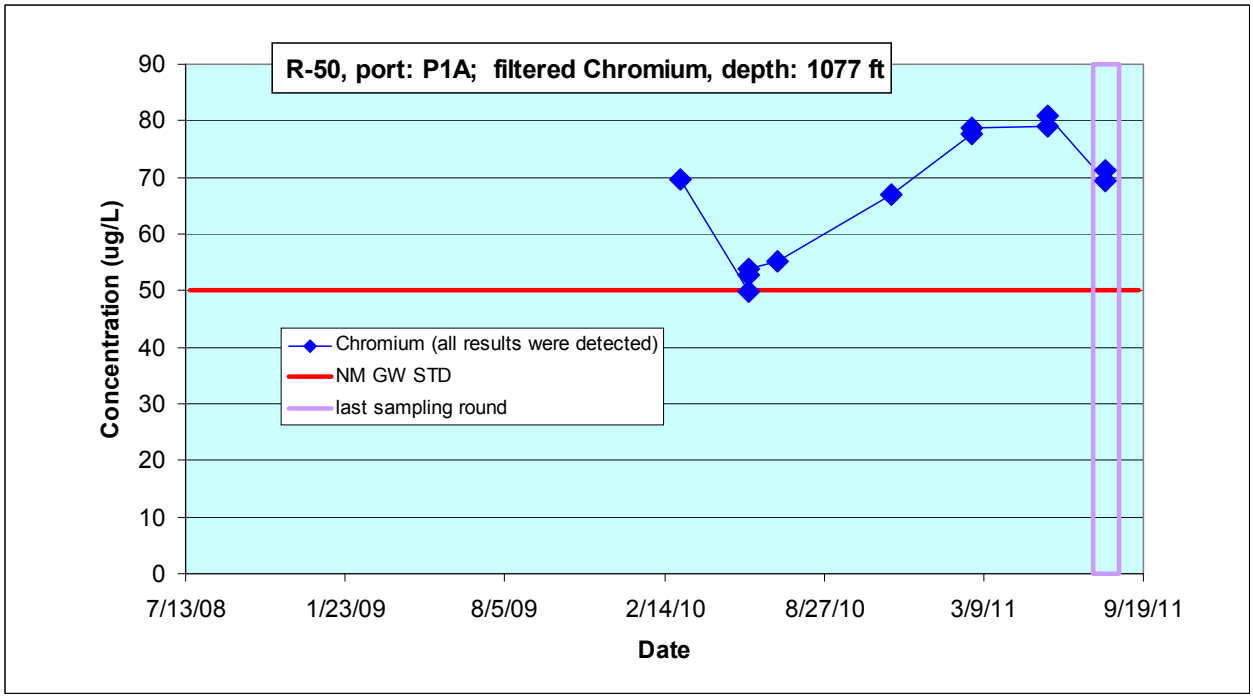

MCOI-6; filtered Perchlorate, depth: 686 ft
Concentration (ug/L)
140
120
100
80
60
40
20
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

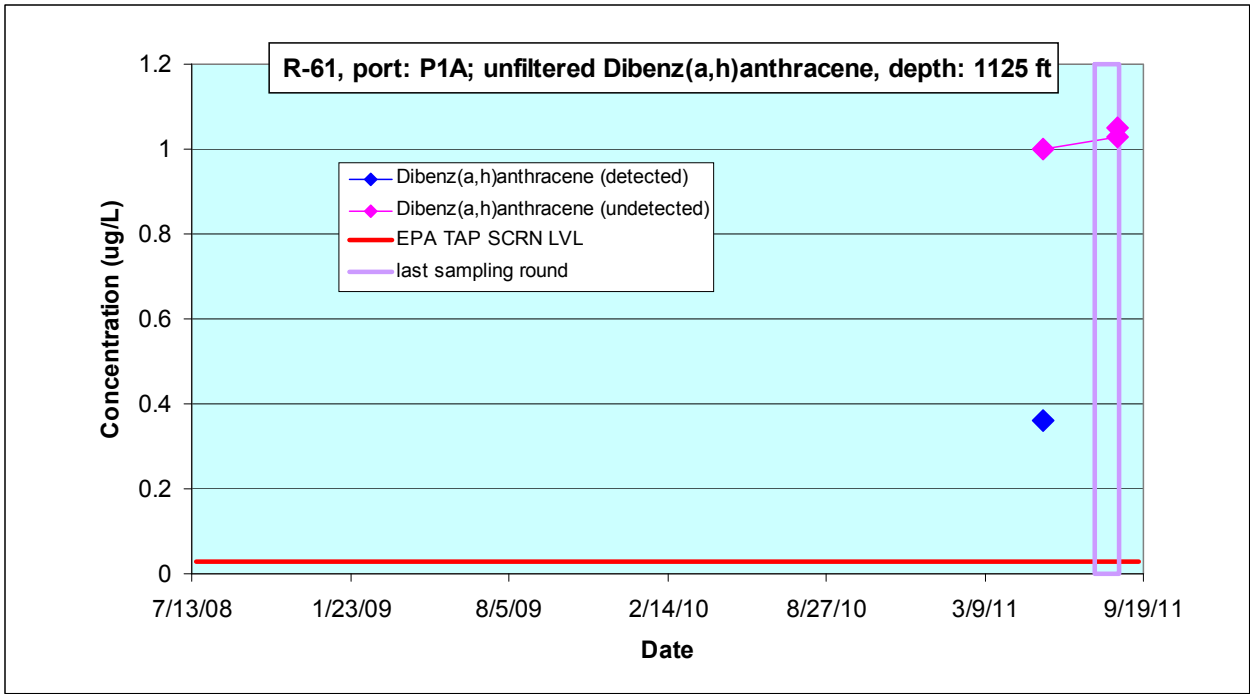

R-1; unfiltered Acrolein, depth: 1031.1 ft
Concentration (ug/L)
6
5
4
3
2
1
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date
Acrolein (detected)
Acrolein (undetected)
EPA TAP SCRN LVL
last sampling round

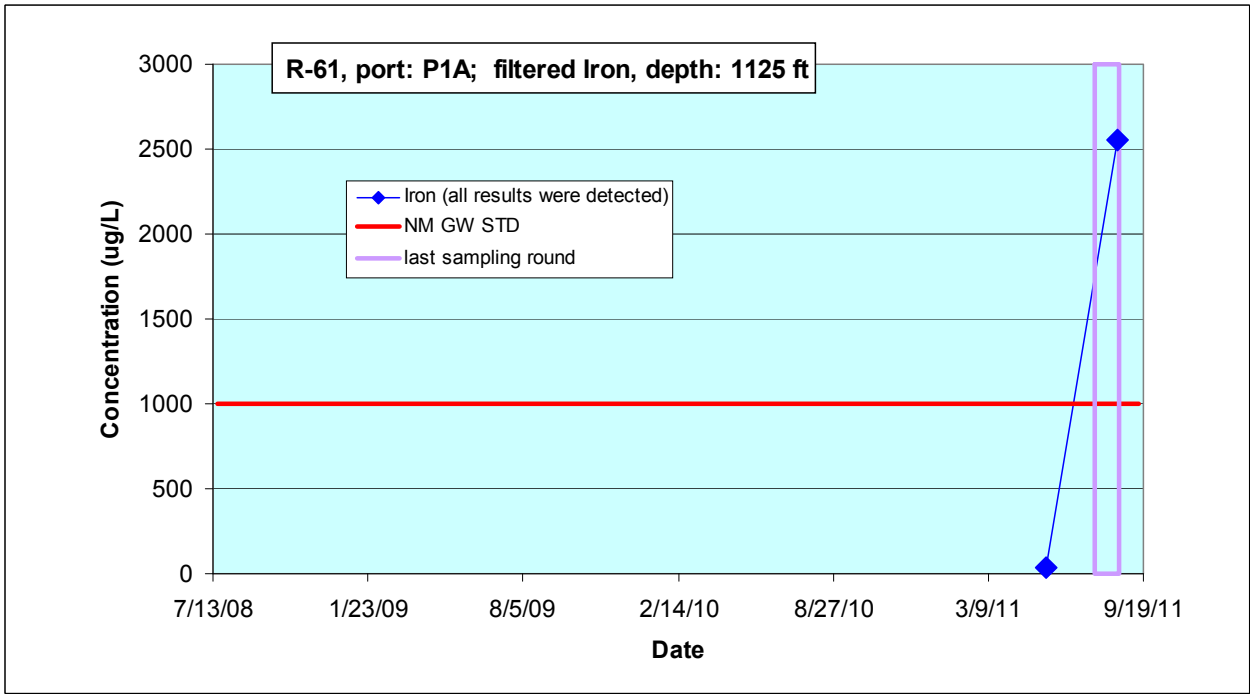

R-15; filtered Perchlorate, depth: 958.6 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

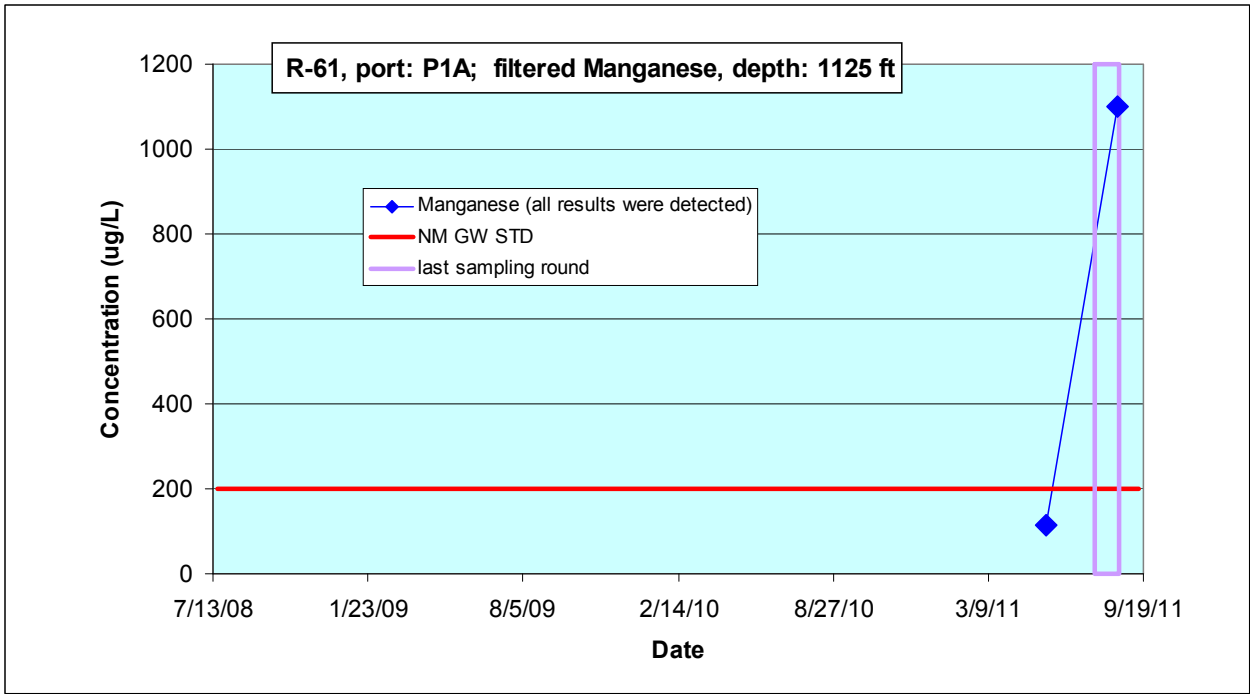

R-28; filtered Chromium, depth: 934.3 ft
Concentration (ug/L)
0
100
200
300
400
500
600
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date
Chromium (detected)
Chromium (undetected)
NM GW STD
last sampling round

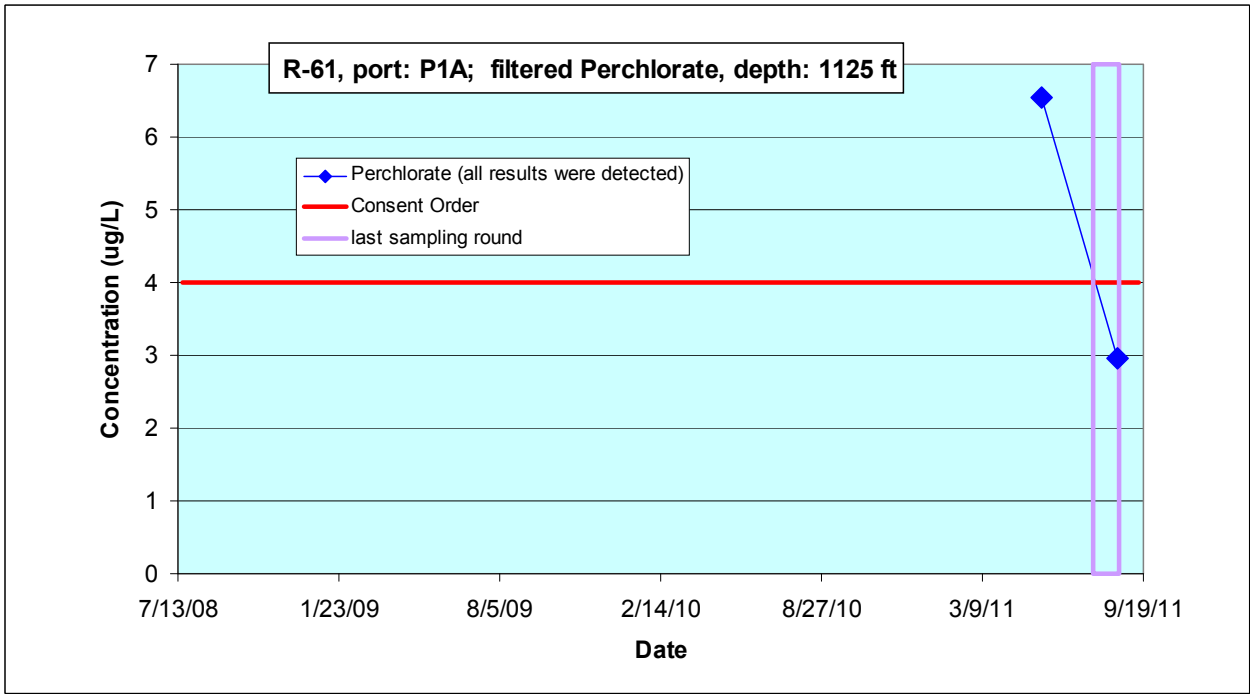

R-42; filtered Chromium, depth: 931.8 ft
Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date
Chromium (detected)
Chromium (undetected)
NM GW STD
last sampling round

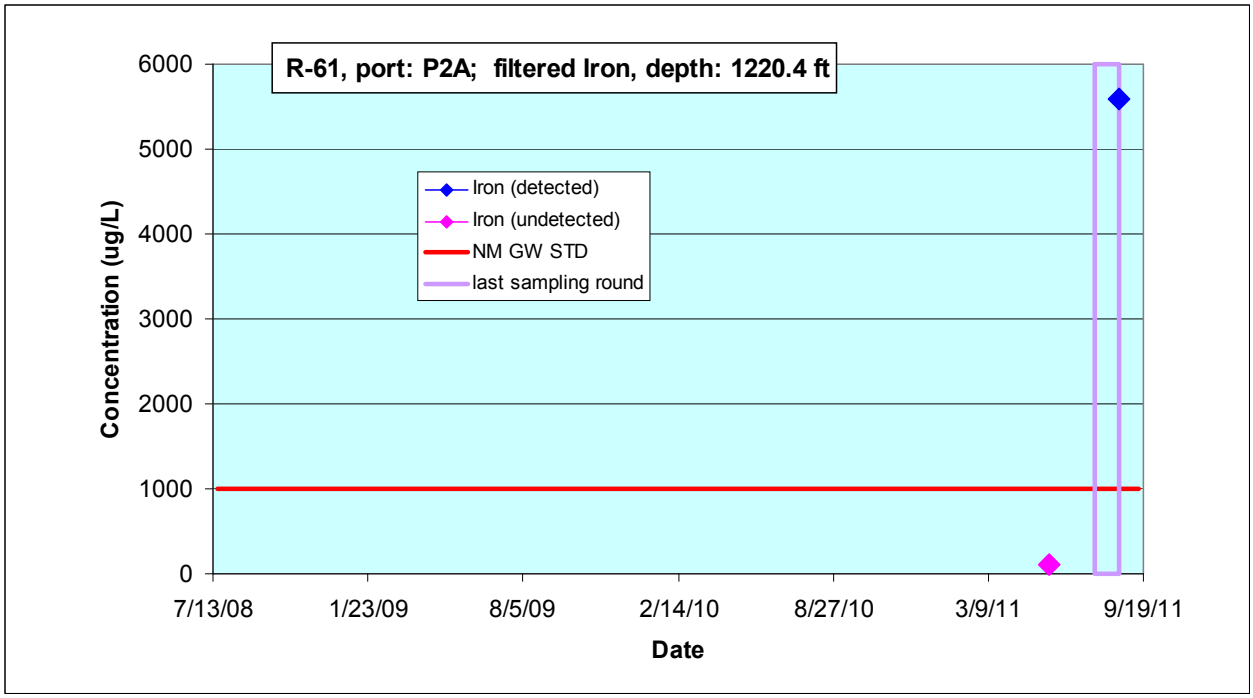

R-50, port: P1A; filtered Chromium, depth: 1077 ft
Concentration (ug/L)
90
80
70
60
50
40
30
20
10
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date
Chromium (all results were detected)
NM GW STD
last sampling round

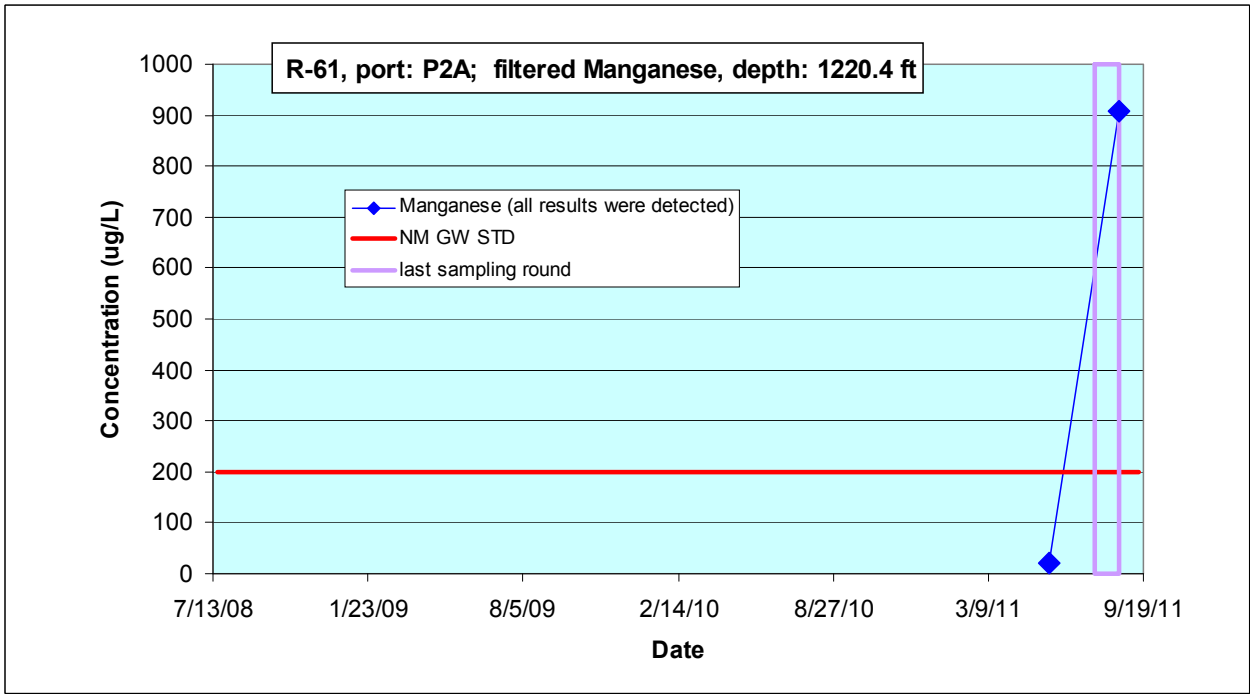

R-61, port: P1A; unfiltered Dibenz(a,h)anthracene, depth: 1125 ft
Dibenz(a,h)anthracene (detected)
Dibenz(a,h)anthracene (undetected)
EPA TAP SCRN LVL
last sampling round
Concentration (ug/L)
1.2
1
0.8
0.6
0.4
0.2
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date


R-61, port: P1A; filtered Iron, depth: 1125 ft
Iron (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date

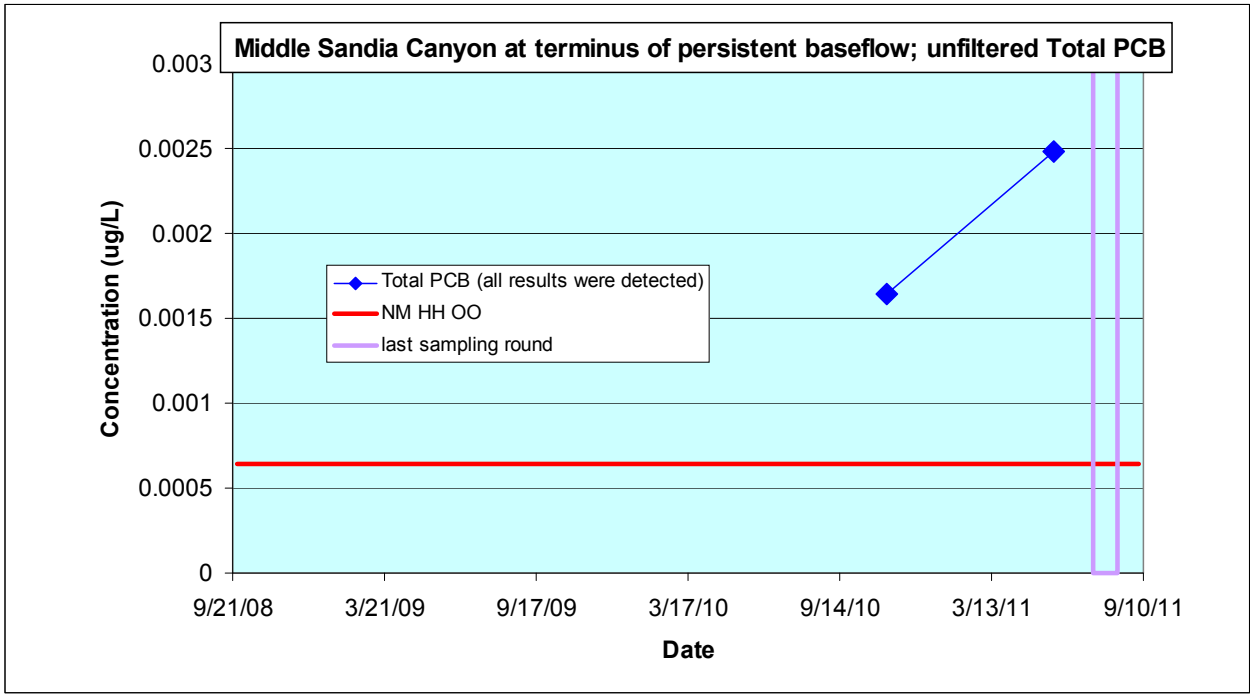

R-61, port: P1A; filtered Manganese, depth: 1125 ft
Manganese (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
1200
1000
800
600
400
200
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date

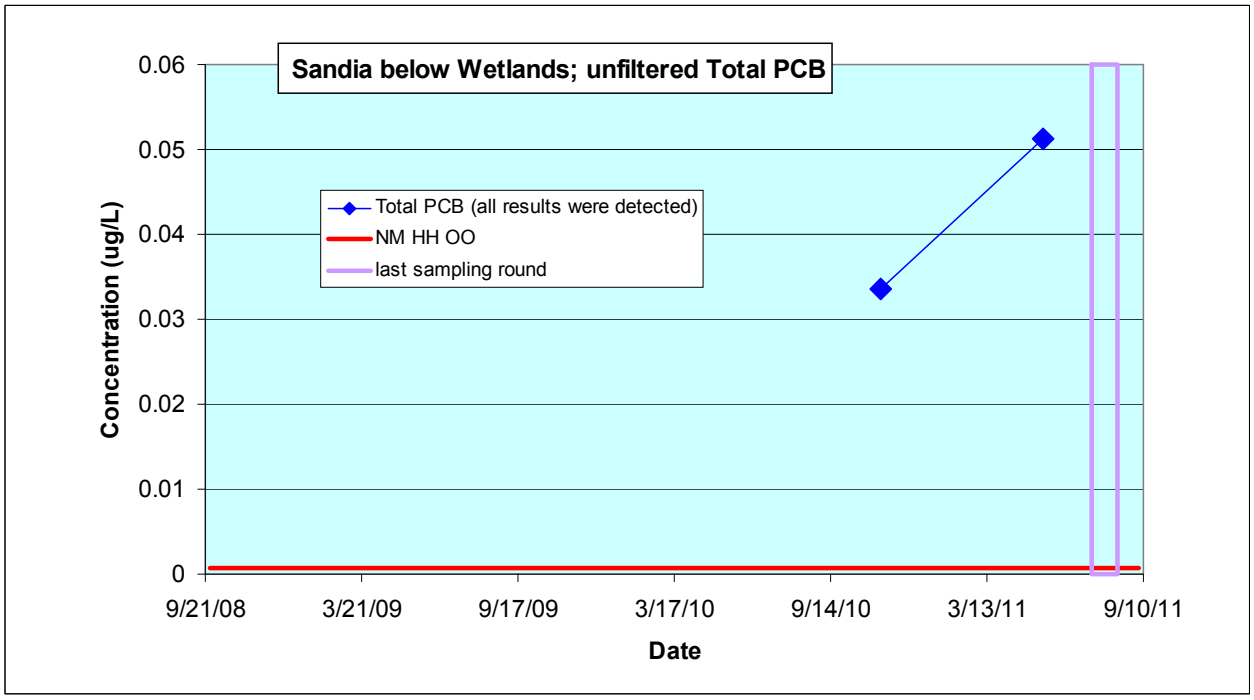

R-61, port: P1A; filtered Perchlorate, depth: 1125 ft
Perchlorate (all results were detected)
Consent Order
last sampling round
Concentration (ug/L)
7
6
5
4
3
2
1
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date

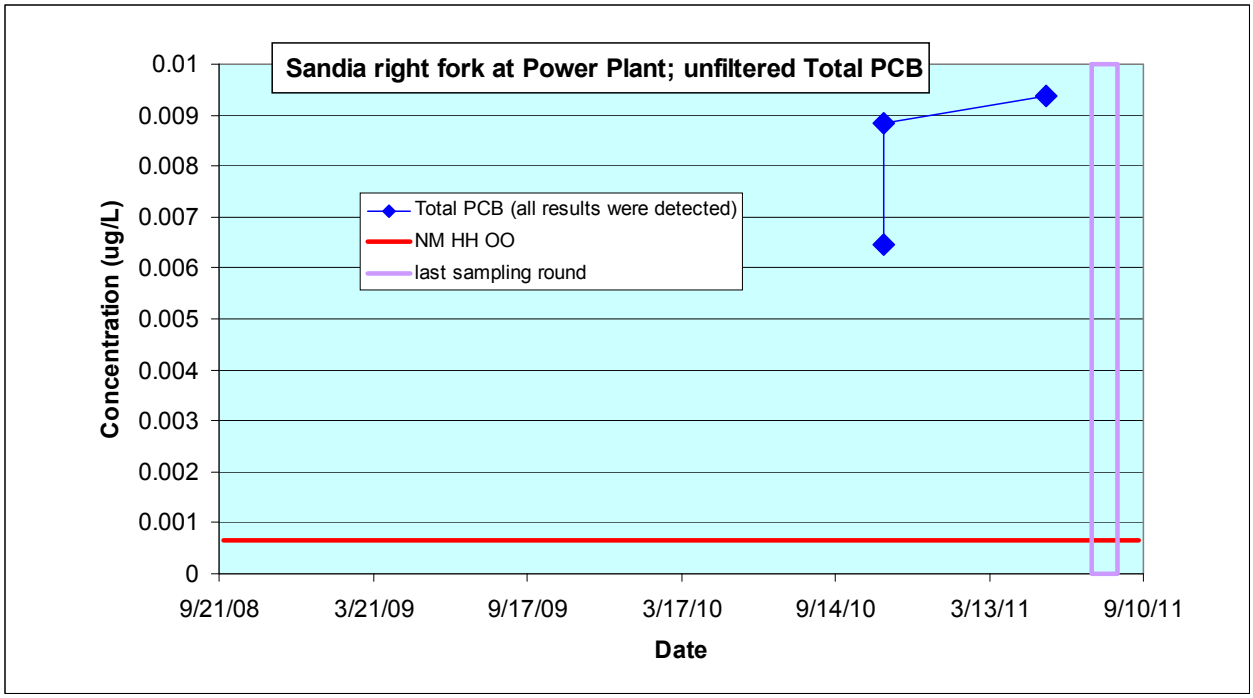

R-61, port: P2A; filtered Iron, depth: 1220.4 ft
Iron (detected)
Iron (undetected)
NM GW STD
last sampling round
Concentration (ug/L)
6000
5000
4000
3000
2000
1000
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date

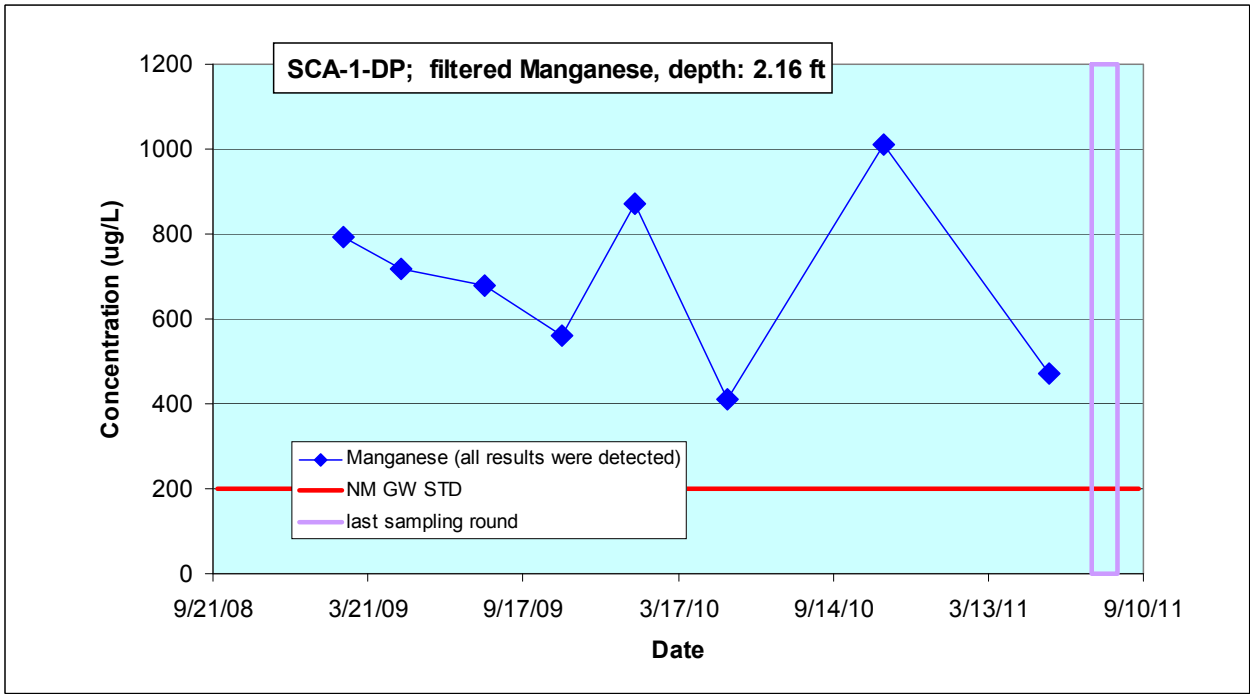

R-61, port: P2A; filtered Manganese, depth: 1220.4 ft
Manganese (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
1000
900
800
700
600
500
400
300
200
100
0
7/13/08
1/23/09
8/5/09
2/14/10
8/27/10
3/9/11
9/19/11
Date

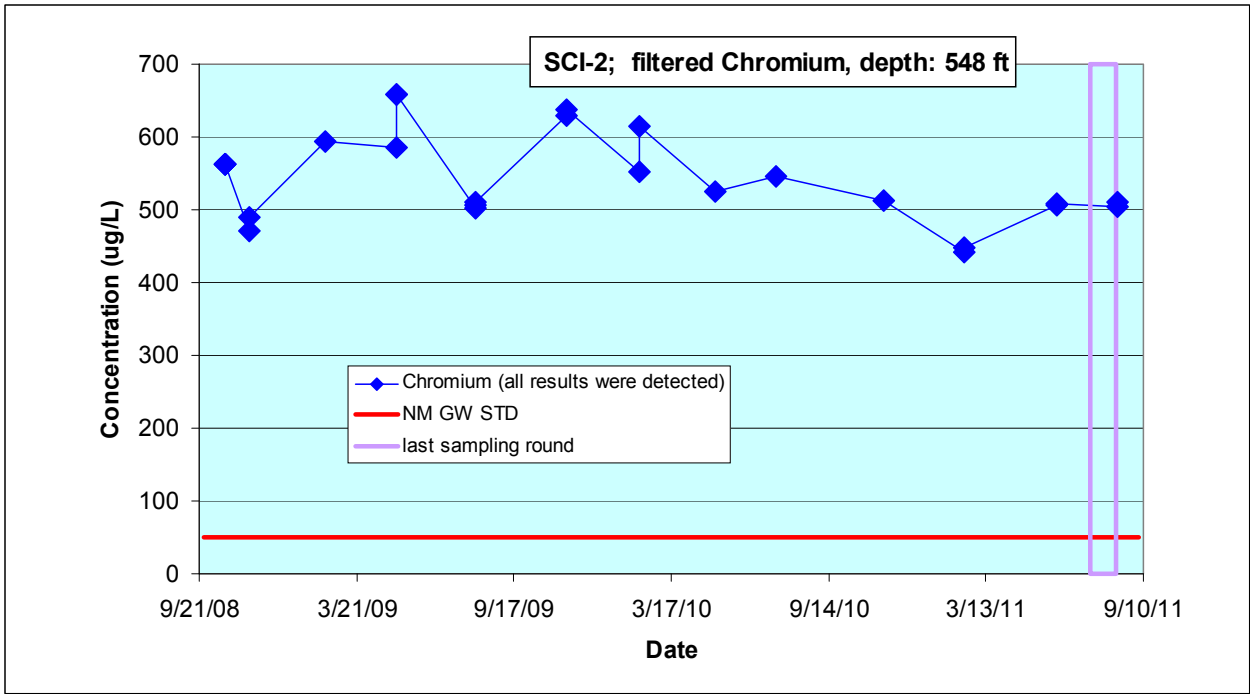
E-2.0 SANDIA WATERSHED

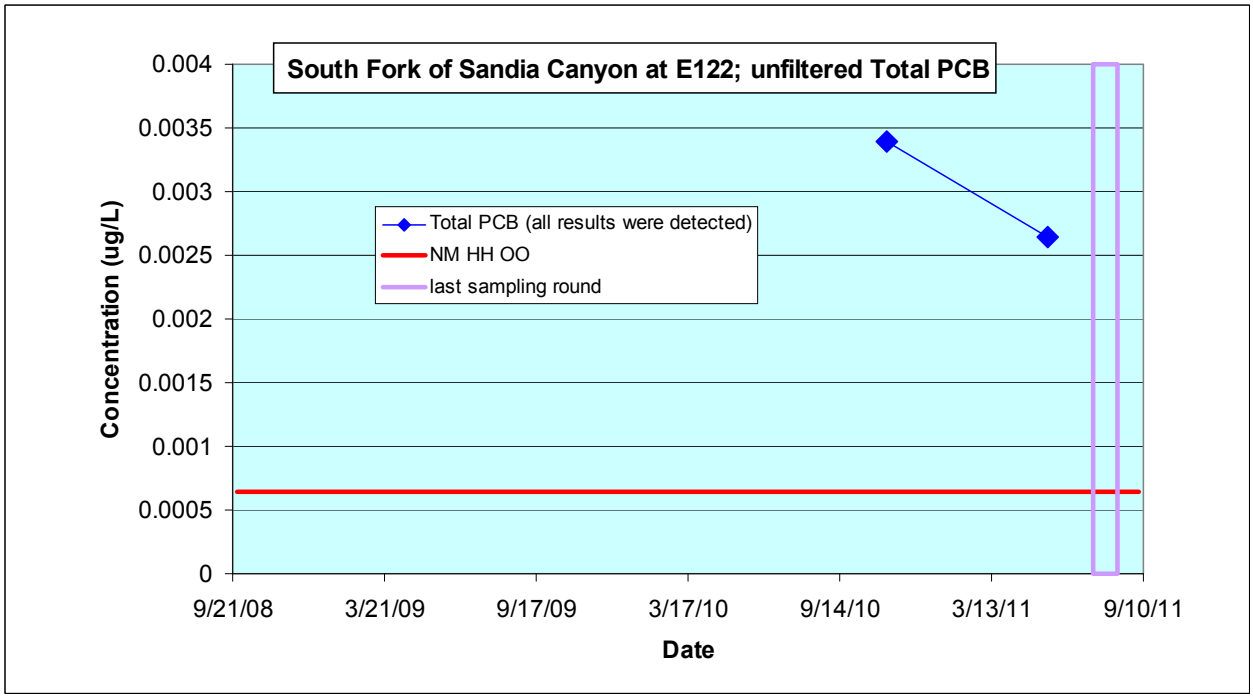





Sandia right fork at Power Plant; unfiltered Total PCB
Concentration (ug/L)
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
Total PCB (all results were detected)
NM HH OO
last sampling round
9/21/08
3/21/09
9/17/09
3/17/10
9/14/10
3/13/11
9/10/11
Date


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
9/21/08
3/21/09
9/17/09
3/17/10
9/14/10
3/13/11
9/10/11
Date


SCI-2; filtered Chromium, depth: 548 ft
Concentration (ug/L)
700
600
500
400
300
200
100
0
9/21/08
3/21/09
9/17/09
3/17/10
9/14/10
3/13/11
9/10/11
Date
Chromium (all results were detected)
NM GW STD
last sampling round


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
9/21/08
3/21/09
9/17/09
3/17/10
9/14/10
3/13/11
9/10/11
Date
Total PCB (all results were detected)
NM HH OO
last sampling round

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

F-1.0 MORTANDAD WATERSHED

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-2987	GENINORG[a]	GELC[b]	CAMO-11-24633	08/01/11	R-13	958.3
11-2987	GENINORG	GELC	CAMO-11-24634	08/01/11	R-13	958.3
11-2987	METALS	GELC	CAMO-11-24633	08/01/11	R-13	958.3
11-2987	METALS	GELC	CAMO-11-24634	08/01/11	R-13	958.3
11-2990	GENINORG	GELC	CAMO-11-24641	08/01/11	R-45	880
11-2990	GENINORG	GELC	CAMO-11-24642	08/01/11	R-45	880
11-2990	GENINORG	GELC	CAMO-11-24643	08/01/11	R-45	974.9
11-2990	GENINORG	GELC	CAMO-11-24644	08/01/11	R-45	974.9
11-2990	METALS	GELC	CAMO-11-24641	08/01/11	R-45	880
11-2990	METALS	GELC	CAMO-11-24642	08/01/11	R-45	880
11-2990	METALS	GELC	CAMO-11-24643	08/01/11	R-45	974.9
11-2990	METALS	GELC	CAMO-11-24644	08/01/11	R-45	974.9
11-3001	GENINORG	GELC	CAMO-11-24660	08/02/11	R-1	1031.1
11-3001	GENINORG	GELC	CAMO-11-24661	08/02/11	R-1	1031.1
11-3001	METALS	GELC	CAMO-11-24660	08/02/11	R-1	1031.1
11-3001	METALS	GELC	CAMO-11-24661	08/02/11	R-1	1031.1
11-3001	VOA[c]	GELC	CAMO-11-24659	08/02/11	R-1	1031.1
11-3001	VOA	GELC	CAMO-11-24660	08/02/11	R-1	1031.1
11-3009	GENINORG	GELC	CAMO-11-24637	08/02/11	R-28	934.3
11-3009	GENINORG	GELC	CAMO-11-24638	08/02/11	R-28	934.3
11-3009	GENINORG	GELC	CAMO-11-24639	08/02/11	R-42	931.8
11-3009	GENINORG	GELC	CAMO-11-24640	08/02/11	R-42	931.8
11-3009	METALS	GELC	CAMO-11-24637	08/02/11	R-28	934.3
11-3009	METALS	GELC	CAMO-11-24638	08/02/11	R-28	934.3
11-3009	METALS	GELC	CAMO-11-24639	08/02/11	R-42	931.8
11-3009	METALS	GELC	CAMO-11-24640	08/02/11	R-42	931.8
11-3026	GENINORG	GELC	CAMO-11-24621	08/03/11	MCO-7	39
11-3026	GENINORG	GELC	CAMO-11-24652	08/03/11	R-14	1200.6
11-3026	GENINORG	GELC	CAMO-11-24656	08/03/11	R-46	1340
11-3026	SVOA[d]	GELC	CAMO-11-24652	08/03/11	R-14	1200.6
11-3026	SVOA	GELC	CAMO-11-24655	08/03/11	R-14	1200.6
11-3026	VOA	GELC	CAMO-11-24652	08/03/11	R-14	1200.6
11-3026	VOA	GELC	CAMO-11-24653	08/03/11	R-14	1200.6
11-3026	VOA	GELC	CAMO-11-24655	08/03/11	R-14	1200.6
11-3026	VOA	GELC	CAMO-11-24656	08/03/11	R-46	1340
11-3026	VOA	GELC	CAMO-11-24657	08/03/11	R-46	1340
11-3027	GENINORG	GELC	CAMO-11-24621	08/03/11	MCO-7	39

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-3027	GENINORG	GELC	CAMO-11-24622	08/03/11	MCO-7	39
11-3027	GENINORG	GELC	CAMO-11-24652	08/03/11	R-14	1200.6
11-3027	GENINORG	GELC	CAMO-11-24654	08/03/11	R-14	1200.6
11-3027	GENINORG	GELC	CAMO-11-24656	08/03/11	R-46	1340
11-3027	GENINORG	GELC	CAMO-11-24658	08/03/11	R-46	1340
11-3027	METALS	GELC	CAMO-11-24622	08/03/11	MCO-7	39
11-3027	METALS	GELC	CAMO-11-24654	08/03/11	R-14	1200.6
11-3027	METALS	GELC	CAMO-11-24658	08/03/11	R-46	1340
11-3039	HEXP[e]	GELC	CAMO-11-24677	08/04/11	R-50	1077
11-3039	PEST/PCB[f]	GELC	CAMO-11-24677	08/04/11	R-50	1077
11-3039	SVOA	GELC	CAMO-11-24677	08/04/11	R-50	1077
11-3039	VOA	GELC	CAMO-11-24672	08/04/11	R-50	1077
11-3039	VOA	GELC	CAMO-11-24673	08/04/11	R-50	1077
11-3039	VOA	GELC	CAMO-11-24674	08/04/11	R-50	1077
11-3039	VOA	GELC	CAMO-11-24675	08/04/11	R-50	1077
11-3039	VOA	GELC	CAMO-11-24677	08/04/11	R-50	1077
11-3041	DIOX/FUR[g]	CFA[h]	CAMO-11-24677	08/04/11	R-50	1077
11-3042	GENINORG	GELC	CAMO-11-24671	08/04/11	R-50	1077
11-3042	GENINORG	GELC	CAMO-11-24673	08/04/11	R-50	1077
11-3042	GENINORG	GELC	CAMO-11-24675	08/04/11	R-50	1077
11-3042	GENINORG	GELC	CAMO-11-24676	08/04/11	R-50	1077
11-3042	GENINORG	GELC	CAMO-11-24677	08/04/11	R-50	1077
11-3042	METALS	GELC	CAMO-11-24671	08/04/11	R-50	1077
11-3042	METALS	GELC	CAMO-11-24673	08/04/11	R-50	1077
11-3042	METALS	GELC	CAMO-11-24675	08/04/11	R-50	1077
11-3042	METALS	GELC	CAMO-11-24676	08/04/11	R-50	1077
11-3042	METALS	GELC	CAMO-11-24677	08/04/11	R-50	1077
11-3042	RAD[i]	GELC	CAMO-11-24673	08/04/11	R-50	1077
11-3042	RAD	GELC	CAMO-11-24675	08/04/11	R-50	1077
11-3042	RAD	GELC	CAMO-11-24677	08/04/11	R-50	1077
11-3043	HEXP	STSL[j]	CAMO-11-24677	08/04/11	R-50	1077
11-3044	GENINORG	GELC	CAMO-11-24662	08/04/11	R-33	995.5
11-3044	GENINORG	GELC	CAMO-11-24664	08/04/11	R-33	995.5
11-3044	GENINORG	GELC	CAMO-11-24666	08/04/11	R-33	995.5
11-3044	GENINORG	GELC	CAMO-11-24667	08/04/11	R-33	995.5
11-3044	GENINORG	GELC	CAMO-11-24669	08/04/11	R-33	1112.4
11-3044	GENINORG	GELC	CAMO-11-24670	08/04/11	R-33	1112.4
11-3044	METALS	GELC	CAMO-11-24662	08/04/11	R-33	995.5
11-3044	METALS	GELC	CAMO-11-24664	08/04/11	R-33	995.5
11-3044	METALS	GELC	CAMO-11-24666	08/04/11	R-33	995.5
11-3044	METALS	GELC	CAMO-11-24667	08/04/11	R-33	995.5

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-3044	METALS	GELC	CAMO-11-24669	08/04/11	R-33	1112.4
11-3044	METALS	GELC	CAMO-11-24670	08/04/11	R-33	1112.4
11-3044	VOA	GELC	CAMO-11-24663	08/04/11	R-33	995.5
11-3044	VOA	GELC	CAMO-11-24664	08/04/11	R-33	995.5
11-3044	VOA	GELC	CAMO-11-24665	08/04/11	R-33	995.5
11-3044	VOA	GELC	CAMO-11-24666	08/04/11	R-33	995.5
11-3044	VOA	GELC	CAMO-11-24668	08/04/11	R-33	1112.4
11-3044	VOA	GELC	CAMO-11-24669	08/04/11	R-33	1112.4
11-3066	GENINORG	GELC	CAMO-11-24645	08/05/11	R-44	895
11-3066	GENINORG	GELC	CAMO-11-24646	08/05/11	R-44	895
11-3066	GENINORG	GELC	CAMO-11-24647	08/05/11	R-44	985.3
11-3066	GENINORG	GELC	CAMO-11-24648	08/05/11	R-44	985.3
11-3066	METALS	GELC	CAMO-11-24645	08/05/11	R-44	895
11-3066	METALS	GELC	CAMO-11-24646	08/05/11	R-44	895
11-3066	METALS	GELC	CAMO-11-24647	08/05/11	R-44	985.3
11-3066	METALS	GELC	CAMO-11-24648	08/05/11	R-44	985.3
11-3082	GENINORG	GELC	CAMO-11-24679	08/08/11	R-50	1185
11-3082	GENINORG	GELC	CAMO-11-24680	08/08/11	R-50	1185
11-3082	METALS	GELC	CAMO-11-24679	08/08/11	R-50	1185
11-3082	METALS	GELC	CAMO-11-24680	08/08/11	R-50	1185
11-3082	RAD	GELC	CAMO-11-24679	08/08/11	R-50	1185
11-3082	VOA	GELC	CAMO-11-24678	08/08/11	R-50	1185
11-3082	VOA	GELC	CAMO-11-24679	08/08/11	R-50	1185
11-3144	GENINORG	GELC	CAMO-11-24681	08/10/11	R-16r	600
11-3144	GENINORG	GELC	CAMO-11-24682	08/10/11	R-16r	600
11-3144	METALS	GELC	CAMO-11-24681	08/10/11	R-16r	600
11-3144	METALS	GELC	CAMO-11-24682	08/10/11	R-16r	600
11-3144	SVOA	GELC	CAMO-11-24681	08/10/11	R-16r	600
11-3144	VOA	GELC	CAMO-11-24681	08/10/11	R-16r	600
11-3144	VOA	GELC	CAMO-11-24683	08/10/11	R-16r	600
11-3146	GENINORG	GELC	CAMO-11-24627	08/10/11	MCOI-5	689
11-3146	GENINORG	GELC	CAMO-11-24628	08/10/11	MCOI-5	689
11-3146	METALS	GELC	CAMO-11-24627	08/10/11	MCOI-5	689
11-3146	METALS	GELC	CAMO-11-24628	08/10/11	MCOI-5	689
11-3146	VOA	GELC	CAMO-11-24626	08/10/11	MCOI-5	689
11-3146	VOA	GELC	CAMO-11-24627	08/10/11	MCOI-5	689
11-3152	GENINORG	GELC	CAMO-11-24630	08/10/11	MCOI-6	686
11-3152	GENINORG	GELC	CAMO-11-24631	08/10/11	MCOI-6	686
11-3152	METALS	GELC	CAMO-11-24630	08/10/11	MCOI-6	686
11-3152	METALS	GELC	CAMO-11-24631	08/10/11	MCOI-6	686
11-3152	VOA	GELC	CAMO-11-24629	08/10/11	MCOI-6	686

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-3152	VOA	GELC	CAMO-11-24630	08/10/11	MCOI-6	686
11-3208	GENINORG	GELC	CAMO-11-24635	08/15/11	R-15	958.6
11-3208	GENINORG	GELC	CAMO-11-24636	08/15/11	R-15	958.6
11-3208	METALS	GELC	CAMO-11-24635	08/15/11	R-15	958.6
11-3208	METALS	GELC	CAMO-11-24636	08/15/11	R-15	958.6
11-3263	HEXP	GELC	CAMO-11-24698	08/18/11	R-61	1125
11-3263	PEST/PCB	GELC	CAMO-11-24698	08/18/11	R-61	1125
11-3263	RAD	GELC	CAMO-11-24698	08/18/11	R-61	1125
11-3263	SVOA	GELC	CAMO-11-24689	08/18/11	R-16	1237
11-3263	SVOA	GELC	CAMO-11-24691	08/18/11	R-16	863.4
11-3263	SVOA	GELC	CAMO-11-24694	08/18/11	R-16	863.4
11-3263	SVOA	GELC	CAMO-11-24695	08/18/11	R-16	863.4
11-3263	SVOA	GELC	CAMO-11-24698	08/18/11	R-61	1125
11-3263	SVOA	GELC	CAMO-11-24699	08/18/11	R-61	1125
11-3263	VOA	GELC	CAMO-11-24687	08/18/11	R-16	1237
11-3263	VOA	GELC	CAMO-11-24689	08/18/11	R-16	1237
11-3263	VOA	GELC	CAMO-11-24690	08/18/11	R-16	863.4
11-3263	VOA	GELC	CAMO-11-24691	08/18/11	R-16	863.4
11-3263	VOA	GELC	CAMO-11-24694	08/18/11	R-16	863.4
11-3263	VOA	GELC	CAMO-11-24695	08/18/11	R-16	863.4
11-3263	VOA	GELC	CAMO-11-24697	08/18/11	R-61	1125
11-3263	VOA	GELC	CAMO-11-24698	08/18/11	R-61	1125
11-3263	VOA	GELC	CAMO-11-24699	08/18/11	R-61	1125
11-3264	GENINORG	GELC	CAMO-11-24688	08/18/11	R-16	1237
11-3264	GENINORG	GELC	CAMO-11-24689	08/18/11	R-16	1237
11-3264	GENINORG	GELC	CAMO-11-24691	08/18/11	R-16	863.4
11-3264	GENINORG	GELC	CAMO-11-24692	08/18/11	R-16	863.4
11-3264	GENINORG	GELC	CAMO-11-24693	08/18/11	R-16	863.4
11-3264	GENINORG	GELC	CAMO-11-24695	08/18/11	R-16	863.4
11-3264	GENINORG	GELC	CAMO-11-24696	08/18/11	R-61	1125
11-3264	GENINORG	GELC	CAMO-11-24698	08/18/11	R-61	1125
11-3264	METALS	GELC	CAMO-11-24688	08/18/11	R-16	1237
11-3264	METALS	GELC	CAMO-11-24689	08/18/11	R-16	1237
11-3264	METALS	GELC	CAMO-11-24691	08/18/11	R-16	863.4
11-3264	METALS	GELC	CAMO-11-24692	08/18/11	R-16	863.4
11-3264	METALS	GELC	CAMO-11-24693	08/18/11	R-16	863.4
11-3264	METALS	GELC	CAMO-11-24695	08/18/11	R-16	863.4
11-3264	METALS	GELC	CAMO-11-24696	08/18/11	R-61	1125
11-3264	METALS	GELC	CAMO-11-24698	08/18/11	R-61	1125
11-3265	HEXP	STSL	CAMO-11-24698	08/18/11	R-61	1125
11-3269	DIOX/FUR	CFA	CAMO-11-24698	08/18/11	R-61	1125

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-3275	HEXP	STSL	CAMO-11-24703	08/19/11	R-61	1220.4
11-3276	DIOX/FUR	CFA	CAMO-11-24703	08/19/11	R-61	1220.4
11-3277	GENINORG	GELC	CAMO-11-24702	08/19/11	R-61	1220.4
11-3277	GENINORG	GELC	CAMO-11-24703	08/19/11	R-61	1220.4
11-3277	HEXP	GELC	CAMO-11-24703	08/19/11	R-61	1220.4
11-3277	METALS	GELC	CAMO-11-24702	08/19/11	R-61	1220.4
11-3277	METALS	GELC	CAMO-11-24703	08/19/11	R-61	1220.4
11-3277	PEST/PCB	GELC	CAMO-11-24703	08/19/11	R-61	1220.4
11-3277	RAD	GELC	CAMO-11-24703	08/19/11	R-61	1220.4
11-3277	SVOA	GELC	CAMO-11-24700	08/19/11	R-61	1220.4
11-3277	SVOA	GELC	CAMO-11-24703	08/19/11	R-61	1220.4
11-3277	VOA	GELC	CAMO-11-24700	08/19/11	R-61	1220.4
11-3277	VOA	GELC	CAMO-11-24701	08/19/11	R-61	1220.4
11-3277	VOA	GELC	CAMO-11-24703	08/19/11	R-61	1220.4

[a] GENINORG = General inorganics.

[b] GELC = General Engineering Laboratories, Inc.

[c] VOA = Volatile organic analysis.

[d] SVOA = Semivolatile organic analysis.

[e] HEXP = High explosives.

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

[g] DIOX/FUR = Dioxins and furans.

[h] CFA = Cape Fear Analytical, LLC.

[i] RAD = Radionuclides.

[j] STSL = Severn Trent Laboratories, Inc.

F-2.0 SANDIA WATERSHED

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-3176	GENINORG[a]	GELC[b]	CASA-11-24765	08/11/11	SCI-2	548
11-3176	GENINORG	GELC	CASA-11-24766	08/11/11	SCI-2	548
11-3176	GENINORG	GELC	CASA-11-24767	08/11/11	SCI-2	548
11-3176	GENINORG	GELC	CASA-11-24768	08/11/11	SCI-2	548
11-3176	METALS	GELC	CASA-11-24765	08/11/11	SCI-2	548
11-3176	METALS	GELC	CASA-11-24766	08/11/11	SCI-2	548
11-3176	METALS	GELC	CASA-11-24767	08/11/11	SCI-2	548
11-3176	METALS	GELC	CASA-11-24768	08/11/11	SCI-2	548
11-3193	GENINORG	GELC	CASA-11-24778	08/12/11	R-11	855
11-3193	GENINORG	GELC	CASA-11-24779	08/12/11	R-11	855
11-3193	GENINORG	GELC	CASA-11-24782	08/12/11	R-35b	825.4
11-3193	GENINORG	GELC	CASA-11-24783	08/12/11	R-35b	825.4
11-3193	METALS	GELC	CASA-11-24778	08/12/11	R-11	855
11-3193	METALS	GELC	CASA-11-24779	08/12/11	R-11	855
11-3193	METALS	GELC	CASA-11-24782	08/12/11	R-35b	825.4
11-3193	METALS	GELC	CASA-11-24783	08/12/11	R-35b	825.4
11-3206	GENINORG	GELC	CASA-11-24788	08/15/11	R-36	766.9
11-3206	GENINORG	GELC	CASA-11-24789	08/15/11	R-36	766.9
11-3206	METALS	GELC	CASA-11-24788	08/15/11	R-36	766.9
11-3206	METALS	GELC	CASA-11-24789	08/15/11	R-36	766.9
11-3243	GENINORG	GELC	CASA-11-24763	08/16/11	SCI-1	358.4
11-3243	GENINORG	GELC	CASA-11-24764	08/16/11	SCI-1	358.4
11-3243	METALS	GELC	CASA-11-24763	08/16/11	SCI-1	358.4
11-3243	METALS	GELC	CASA-11-24764	08/16/11	SCI-1	358.4
11-3244	GENINORG	GELC	CASA-11-24784	08/16/11	R-43	903.9
11-3244	GENINORG	GELC	CASA-11-24785	08/16/11	R-43	903.9
11-3244	GENINORG	GELC	CASA-11-24786	08/16/11	R-43	969.1
11-3244	GENINORG	GELC	CASA-11-24787	08/16/11	R-43	969.1
11-3244	METALS	GELC	CASA-11-24784	08/16/11	R-43	903.9
11-3244	METALS	GELC	CASA-11-24785	08/16/11	R-43	903.9
11-3244	METALS	GELC	CASA-11-24786	08/16/11	R-43	969.1
11-3244	METALS	GELC	CASA-11-24787	08/16/11	R-43	969.1
11-3246	GENINORG	GELC	CASA-11-24780	08/17/11	R-35a	1013.1
11-3246	GENINORG	GELC	CASA-11-24781	08/17/11	R-35a	1013.1
11-3246	METALS	GELC	CASA-11-24780	08/17/11	R-35a	1013.1
11-3246	METALS	GELC	CASA-11-24781	08/17/11	R-35a	1013.1

[a] GENINORG = General inorganics.

[b] GELC = General Engineering Laboratories, Inc.