ERID-241950

LA-UR-13-23335
May 2013
EP2013-0083

Periodic Monitoring Report for Chromium Investigation Monitoring Group, October 30–November 16, 2012

Prepared by the Environmental Programs Directorate

EP2013-0083

Periodic Monitoring Report for Chromium Investigation Monitoring Group, October 30–November 16, 2012

May 2013

Responsible project manager:

Steve Paris		Project Manager	Environmental Programs	5/21/13
Printed Name	Signature	Title	Organization	Date

Responsible LANS representative:

Jeff Mousseau		Associate Director	Environmental Programs	5/22/13
Printed Name	Signature	Title	Organization	Date

Responsible DOE representative:

Peter Maggiore		Assistant Manager	DOE-NA-00-LA	5-28-2013
Printed Name	Signature	Title	Organization	Date

EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the fiscal year 2013, first quarter, periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Chromium Investigation monitoring group. This PME was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2013 Monitoring Year, October 2012–September 2013, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from October 30 to November 16, 2012, and included the monitoring of groundwater wells and well screens. 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 a PME are also included in this report.

Water samples collected from various locations during this PME were analyzed for metals; volatile organic compounds; semivolatile organic compounds; high explosives; radionuclides, including low-level tritium; general inorganic chemicals, including perchlorate; stable isotopes; and field parameters (alkalinity, dissolved oxygen, pH, specific conductance, temperature, and turbidity).

No surface-water locations are sampled for this monitoring group.

No results reported in this PMR from previous sampling of PME monitoring locations were above screening levels. Twelve results from groundwater samples collected during this PME were above screening levels.

CONTENTS

Figures

Tables

Appendixes

Plate

Acronyms and Abbreviations

amsl	above mean sea level
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations (U.S.)
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
gpm	gallons per minute
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
IR	investigation report
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MCPA	2-methyl-4-chlorophenoxyacetic acid
MCPP	2-(4-chloro-2-methylphenoxy)propanoic acid
MDL	method detection limit
N	no (best value flag code)
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
PME	periodic monitoring event
PMR	periodic monitoring report
PQL	practical quantitation limit
QC	quality control
RLWTF	Radioactive Liquid Waste Treatment Facility
RPF	Records Processing Facility
SOP	standard operating procedure
TA	technical area
UF	unfiltered
Y	yes (best value flag code)

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of fiscal year 2013, first quarter, quarterly groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Chromium Investigation monitoring group pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2013 Monitoring Year, October 2012–September 2013 (2013 IFGMP) (LANL 2012, 225493), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from October 30 to November 16, 2012, and included sampling of groundwater wells and well screens.

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 a PME are also included in this report.

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

This report presents the following information:

- general background information on the monitoring group
- 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

The Chromium Investigation monitoring group is located in Sandia and Mortandad Canyons. Monitoring focuses on the characterization and fate and transport of chromium contamination in intermediate-perched groundwater and within the regional aquifer. The distribution of wells in the monitoring group also addresses historical releases from Outfall 051, which discharges from the Radioactive Liquid Waste Treatment Facility (RLWTF) in the Mortandad Canyon watershed. Effluent volumes were considerably reduced or eliminated in 2010 and 2011 because of process changes at the RLWTF.

Sandia Canyon heads on Laboratory property within Technical Area 03 (TA-03) at an elevation of approximately 7300 ft and trends east-southeast across the Laboratory, Bandelier National Monument, and San Ildefonso Pueblo. Sandia Canyon empties into the Rio Grande in White Rock Canyon at an elevation of 5450 ft. The area of the Sandia Canyon watershed is approximately 5.5 mi^2. Perennial stream

flow and saturated alluvial groundwater conditions occur in the upper and middle portions of the canyon system because sanitary wastewater and cooling tower effluent discharge to the canyon from operating facilities. A wetland of approximately 7 acres has developed as a result of the effluent discharge. The only known perennial spring in the watershed (Sandia Spring) is located in lower Sandia Canyon near the Rio Grande. TAs located in the Sandia Canyon watershed include TA-03, TA-53, TA-60, TA-61, TA-72, and former TA-20. A total of 264 solid waste management units and areas of concern are located within these TAs.

Mortandad Canyon is an east-to-southeast trending canyon that heads on the Pajarito Plateau near the main Laboratory complex at TA-03 at an elevation of 7380 ft. The drainage extends about 9.6 mi from its headwaters to its confluence with the Rio Grande at an elevation of 5440 ft. The canyon crosses San Ildefonso Pueblo land for several miles before joining the Rio Grande (LANL 1997, 056835). The Mortandad Canyon watershed is located in the central portion of the Laboratory and covers approximately 10 mi^2. The Mortandad Canyon watershed contains several tributary canyons that have received contaminants released during Laboratory operations, including Ten Site Canyon, Pratt Canyon, Effluent Canyon, and Cañada del Buey.

Chromium concentrations exceed the NMED groundwater standard in Mortandad Canyon regional aquifer wells R-28, R-62, R-42, and R-50. Other constituents detected above background in wells in the monitoring group include nitrate, perchlorate, and tritium. A conceptual model for the sources and distribution of these contaminants is presented in the Investigation Report for Sandia Canyon (hereafter, the Sandia Canyon IR) (LANL 2009, 107453) and the Phase II Investigation Report for Sandia Canyon (LANL 2012, 228624).

The conceptual model hypothesizes that chromium and other contaminants originate from releases into Sandia Canyon with lateral migration pathways that move contamination to locations beneath Mortandad Canyon. For this reason, intermediate-perched and regional wells beneath Mortandad Canyon are included in the Chromium Investigation monitoring group. Other areas of contamination beneath Sandia and Mortandad Canyons may be associated with Mortandad Canyon sources. These sources and the migration pathways are described in the Sandia Canyon IR (LANL 2009, 107453) and the Phase II Investigation Report for Sandia Canyon (LANL 2012, 228624).

2.0 SCOPE OF ACTIVITIES

The PME for the Chromium Investigation monitoring group was conducted pursuant to the 2013 IFGMP (LANL 2012, 225493).

Table 2.0-1 provides the location name, sample collection date, screened interval, top and bottom screen depths, casing volume, purge volume, and purge rate for each of the locations scheduled to be monitored. These locations are shown in Figure 2.0-1. Some locations on this map may not have been sampled.

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the PME are documented in the 2013 IFGMP (LANL 2012, 225493).

3.2 Field Parameter Results

Appendix A contains the field parameter results for this PME and the four previous PMEs.

3.3 Groundwater Elevations

The periodic monitoring water-level data for the previous 2 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 are shown graphically on Plate 1. No surface-water locations are sampled for this monitoring group.

3.4 Deviations from Planned Scope

Table 3.4-1 describes the fieldwork deviations from the planned scope of the PME. Table 3.4-2 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 PME are documented in the 2013 IFGMP (LANL 2012, 225493). 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 of 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 procedures are available at http://www.lanl.gov/community-environment/environmental-stewardship/plans-procedures.php. Completed chain-of-custody forms serve as analytical request forms 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 required analysis.

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. For data collected before March 2012, validation was done by an independent contractor, Analytical Quality Associates, Inc. (AQA). After that date, validation is done by an automated process after data are loaded.

Data validation determines the quality of an analytical data set. Data validation focuses on specific quality assurance samples, such as matrix spikes, duplicates, surrogates, method banks, and laboratory control samples, and holding times, which indicate the accuracy and precision of the analyses. Based on the results, data qualifiers are applied to indicate data quality issues as well as the usability of results. This process also includes a description of the reasons for any failure to meet method, procedural, or contractual requirements and an evaluation of the impact of such failure on the overall data set.

AQA's reviews 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 was assigned to the analytical results.

Auto validation (1) ensures that the electronic data deliverable contains all the required fields, (2) verifies that results of all QC checks and procedures are within valid criteria limits, and (3) applies specific qualifiers and reason codes per the EPA's National Functional Guidelines for data review as well as the Laboratory's SOPs. Once auto validation is complete, the data are uploaded into the Laboratory's database system and the public database (http://intellusnmdata.com/).

The Laboratory assigns detection status to the analytical result based on the analytical laboratory and secondary validation qualifiers. A detect flag of "N" indicates that, based on the qualifiers, the result was not detected.

4.2 Analytical Data

Appendix C presents the analytical data from this PME and from the four sampling events at these locations immediately before the PME. The analytical laboratory reports (including chain-of-custody forms and data validation forms) are provided in Appendix F (on CD included with this document).

Appendix C contains all data collected during the PME (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, and field blanks, trip blanks, and equipment blanks are not included in the data set.
    - ❖ Field duplicates, reanalyses, 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.
    - ❖ Otherwise, all results are reported at all locations.
- Nonradionuclides
    - ❖ All detected results are reported.

Multiple analyses of a sample, including dilutions and reanalyses, create redundant results. These multiple results have the same sample ID, analytical laboratory code, and analytical method. The analytical and validation information is used to designate the preferred result, which is marked with a best value flag of "Y" (yes). The redundant values of lower quality are assigned a best value flag of "N" (no). In cases where a reanalysis gives a significantly different result than an earlier value, the original result may be rejected and assigned a best value flag of N, and the reanalysis result may be marked with a best value flag of Y. The best value flag is included in Appendix C.

Data for PMRs are evaluated using the following screening process. The sources of screening levels with which the results are compared are listed in Table 4.2-1.

- The base-flow monitoring locations are assigned to one of two screening categories—perennial or ephemeral. 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 to 2010 at each location. 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 (NMAC) 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 Groundwater Cleanup Levels described in Section VIII.A.1 of the Consent Order; for an individual substance, the lesser of the EPA MCL or the NMWQCC groundwater standard is used.
- If an NMWQCC standard or an MCL has not been established for a specific substance for which toxicological information is published, the EPA Regional Screening Levels for Tap Water (formerly Region 6 Screening Levels for Tap Water) are used as the Groundwater Cleanup Level. These screening levels are for either a cancer or noncancer risk type. The Consent Order specifies screening at a 10^{-5} excess cancer risk. The EPA screening levels are for 10^{-6} excess cancer risk, so 10 times the EPA 10^{-6} screening levels are used for screening.
- 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.
- The analytical results for radioactivity are compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Guides (DCGs) for groundwater.

The results of data screening for this PMR are presented in Appendix D. This appendix shows all analytical results greater than half the lowest applicable screening levels. Results with a best value flag of N are included in Appendix D but not discussed in the text.

Table 4.2-2 provides 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. Concentrations of the analyte are plotted for a 3-yr period. If 3 yr of data are not available, then all available results for the analyte are plotted. When shown, the solid red lines depict applicable screening levels. Results with a best value flag of N are not included in Appendix E.

Figures 4.2-1 and 4.2-2 show concentrations at all locations from the current PME for analytes that exceed their screening level at more than one sampling location. For example, filtered chromium was above the NMWQCC groundwater standard screening level at more than one well, so all available chromium values from the current PME are shown in addition to the screening-level exceedances, which are displayed in yellow boxes.

4.2.1 Surface Water (Base Flow)

No surface-water locations are included in this monitoring group.

4.2.2 Groundwater

No results reported in this PMR from previous sampling of PME monitoring locations were above screening levels.

For the current PME, the filtered perchlorate concentrations for intermediate groundwater wells MCOI-5 and MCOI-6 were 75 µg/L and 63.5 µg/L, respectively, above the Consent Order screening level of 4 µg/L. The results in MCOI-5 since 2007 range between 68.7 µg/L and 105 µg/L. At MCOI-6, concentrations have decreased from 190 µg/L in 2007.

In MCOI-6, the filtered chromium concentration of 61.6 µg/L was above the NMWQCC groundwater standard screening level of 50 µg/L. Concentrations since 2007 have increased from 29.4 µg/L to 65.5 µg/L.

The filtered chromium result of 436 µg/L at intermediate well SCI-2 was above the NMWQCC groundwater standard screening level of 50 µg/L. Results since October of 2008 have generally decreased from 658 µg/L to about 436 µg/L.

The unfiltered 1,4-dioxane concentration of 9.69 µg/L in a sample from MCOI-6 was above the EPA tap water screening level of 6.7 µg/L. The current result is estimated because it is near the 3.06 µg/L method detection limit (MDL) and is the lowest measured at the well. Measurements since 2006 range from 9.69 µg/L to 29.6 µg/L. Concentrations have decreased from 29.6 µg/L since August 2007.

The perchlorate concentration in regional well R-15 was 7.86 µg/L, above the Consent Order screening level of 4 µg/L. The value was qualified as estimated because of low matrix spike recovery. 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.

The perchlorate concentration in R-61 S1 (screen 1) of 6.13 µg/L was also above the Consent Order screening level of 4 µg/L. The sample was collected after recent well redevelopment. Four earlier measurements range from 2.96 µg/L to 7.37 µg/L.

In regional well R-28, the filtered chromium concentration was 415 µg/L, above 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 1010 µg/L. Concentrations since 2008 range from 744 µg/L to 1240 µg/L.

At regional aquifer well R-43 S1, the filtered chromium concentration was 49.6 µg/L, just below the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations have risen steadily from the first nondetect results in late 2008.

The filtered chromium concentration from the regional aquifer well R-50 S1 was 96.3 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Values from earlier sampling events range from 49.8 µg/L to 99.8 µg/L.

The filtered chromium concentration from regional aquifer well R-62 was 133 µg/L in a field duplicate, above the NMWQCC groundwater standard screening level of 50 µg/L. The result in the primary sample was 128 µg/L. This is the fourth sampling event at this well; previous results are between 129 µg/L and 198 µg/L.

4.3 Sampling Program Modifications

In its December 15, 2011, Approval, Extension Request to Submit the Phase II Investigation Report for Sandia Canyon (NMED 2011, 208852), NMED states that both wells R-61 and R-62 are affected by impacts from drilling and well construction; therefore, data acquired from the wells may not be representative of aquifer conditions. With the exception of the first sampling round from R-61, data show elevated concentrations of dissolved iron and manganese and low concentrations of chromium, indicating reducing conditions in the vicinity of both well screens. The results from all but the first sampling round are therefore not representative of ambient groundwater conditions in the vicinity of the well. The Laboratory submitted the Work Plan for Redevelopment of Monitoring Well R-61 to NMED on June 26, 2012 (LANL 2012, 221454), which NMED approved on July 10, 2012 (NMED 2012, 520923). The work plan proposes to redevelop both screens at R-61 using chemical augmentation. Sampling at R-61 was deferred until the redevelopment was complete. Rehabilitation was completed on October 29, 2012, and the well was placed back into the routine sampling schedule. R-61 S1 was sampled on November 15, 2012, and R-61 S2 was sampled on November 16, 2012; the analytical results are presented in this PMR.

5.0 SUMMARY AND INTERPRETATIONS

5.1 Monitoring Results

The field parameter monitoring results are presented in Appendix A.

5.2 Analytical Results

5.2.1 Surface Water (Base Flow)

No surface-water locations are included in this monitoring group.

5.2.2 Groundwater

No results reported in this PMR from previous sampling of PME monitoring locations were above screening levels. Twelve results from groundwater samples collected during this PME were above screening levels (Table 4.2-2).

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

5.3 Data Gaps

Table 3.4-1 summarizes the field deviations encountered during the PME. The table also provides a detailed account of sampling event deviations.

5.4 Remediation System Monitoring

Remediation system monitoring is not applicable to the Chromium Investigation monitoring group because no systems are installed in the monitoring group area.

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. This information is also included in text citations. ER IDs are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.

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

LANL (Los Alamos National Laboratory), September 1997. "Work Plan for Mortandad Canyon," Los Alamos National Laboratory document LA-UR-97-3291, Los Alamos, New Mexico. (LANL 1997, 056835)

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), October 2009. "Investigation Report for Sandia Canyon," Los Alamos National Laboratory document LA-UR-09-6450, Los Alamos, New Mexico. (LANL 2009, 107453)

LANL (Los Alamos National Laboratory), June 2012. "Work Plan for Redevelopment of Monitoring Well R-61," Los Alamos National Laboratory document LA-UR-12-20284, Los Alamos, New Mexico. (LANL 2012, 221454)

LANL (Los Alamos National Laboratory), August 2012. "Interim Facility-Wide Groundwater Monitoring Plan for the 2013 Monitoring Year, October 2012–September 2013," Los Alamos National Laboratory document LA-UR-12-21331, Los Alamos, New Mexico. (LANL 2012, 225493)

LANL (Los Alamos National Laboratory), September 2012. "Phase II Investigation Report for Sandia Canyon," Los Alamos National Laboratory document LA-UR-12-24593, Los Alamos, New Mexico. (LANL 2012, 228624)

NMED (New Mexico Environment Department), December 15, 2011. "Approval, Extension Request to Submit the Phase II Investigation Report for Sandia Canyon," New Mexico Environment Department letter to G.J. Rael (DOE-LASO) and M.J. Graham (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2011, 208852)

NMED (New Mexico Environment Department), July 10, 2012. "Approval, Work Plan for Redevelopment of Monitoring Well R-61," New Mexico Environment Department letter to P. Maggiore (DOE-LASO) and M.J. Graham (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2012, 520923)

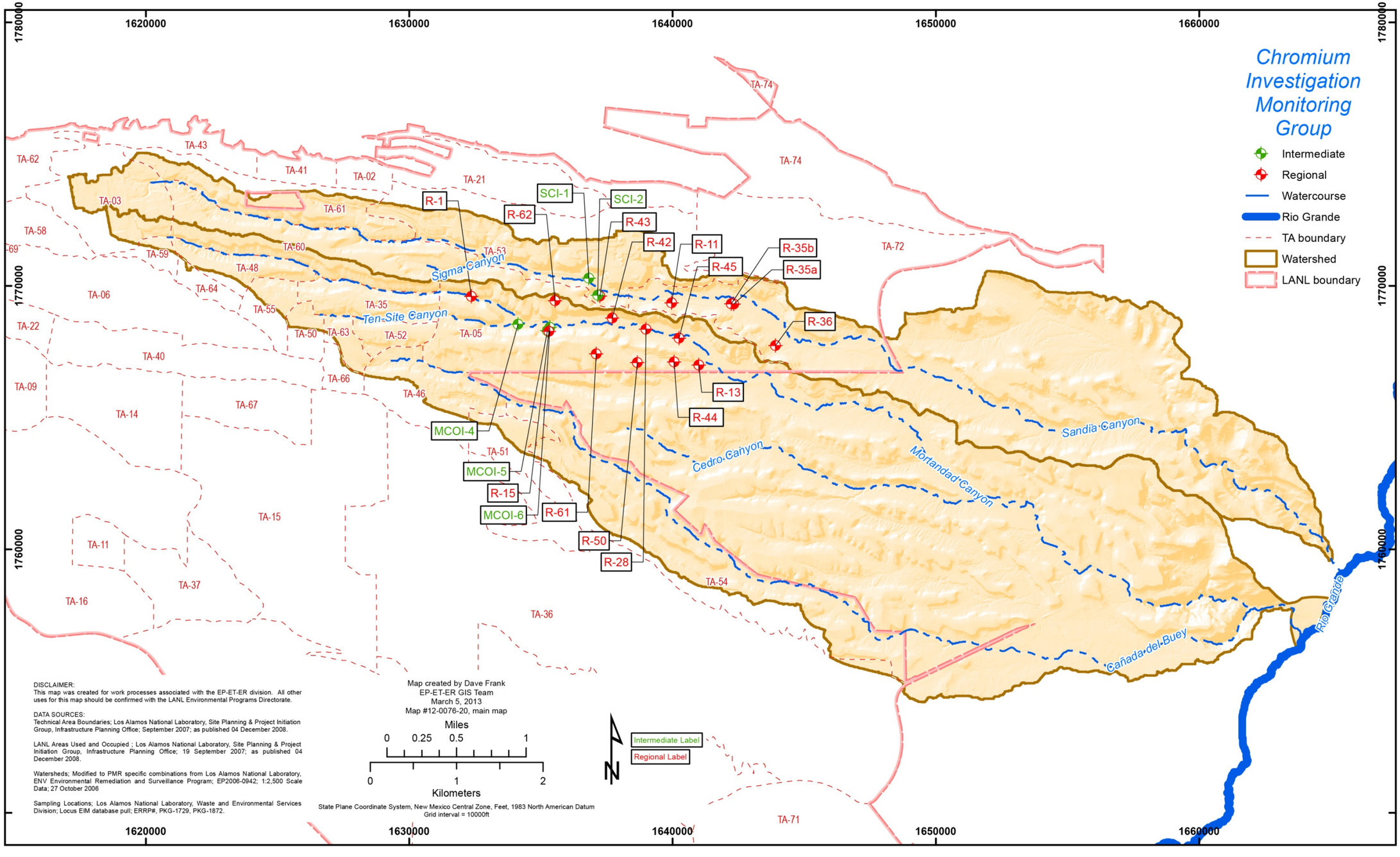


Figure 2.0-1 Locations scheduled to be monitored for this PME (see Table 3.4-1)

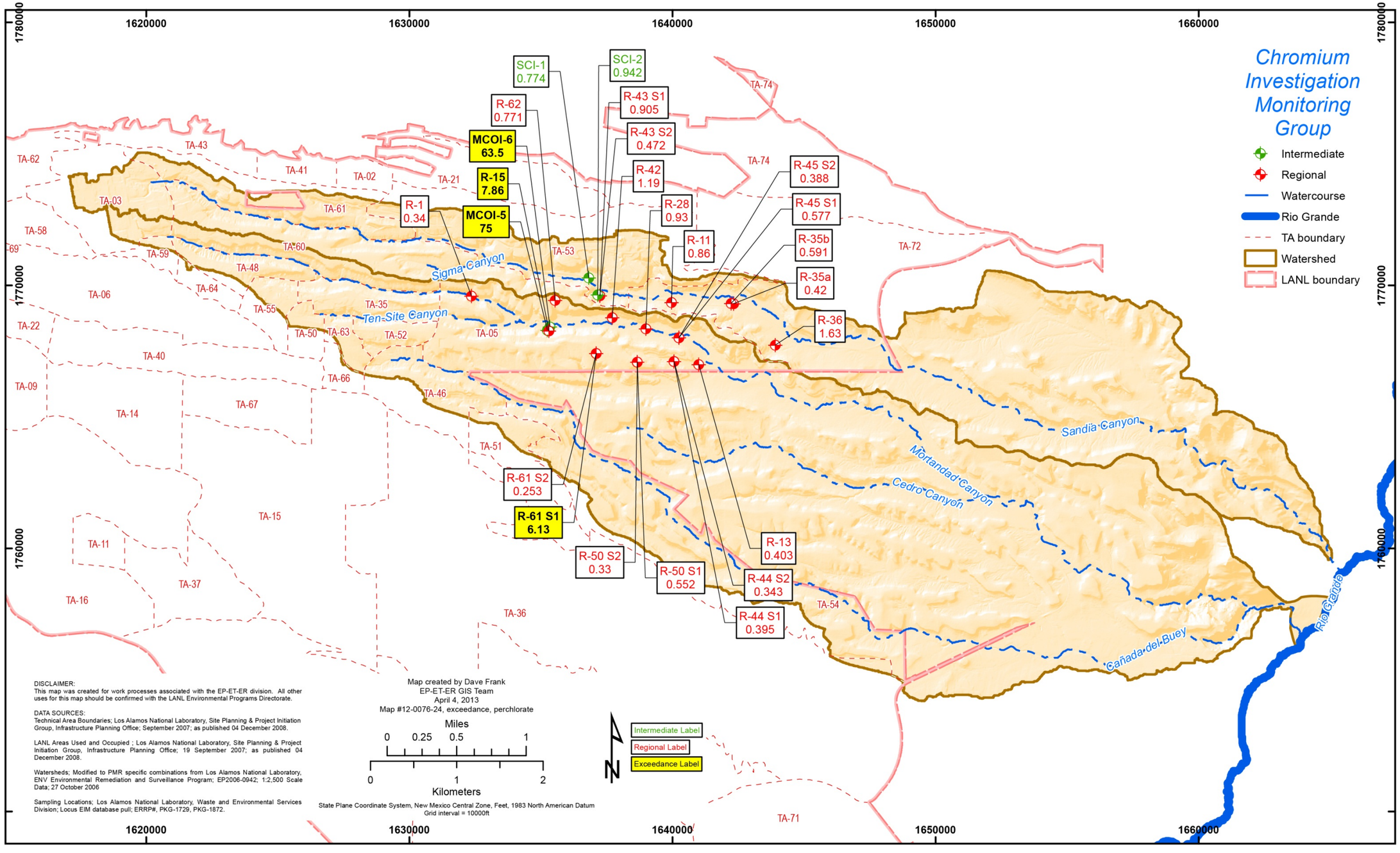


Figure 4.2-1 Monitoring group filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L.

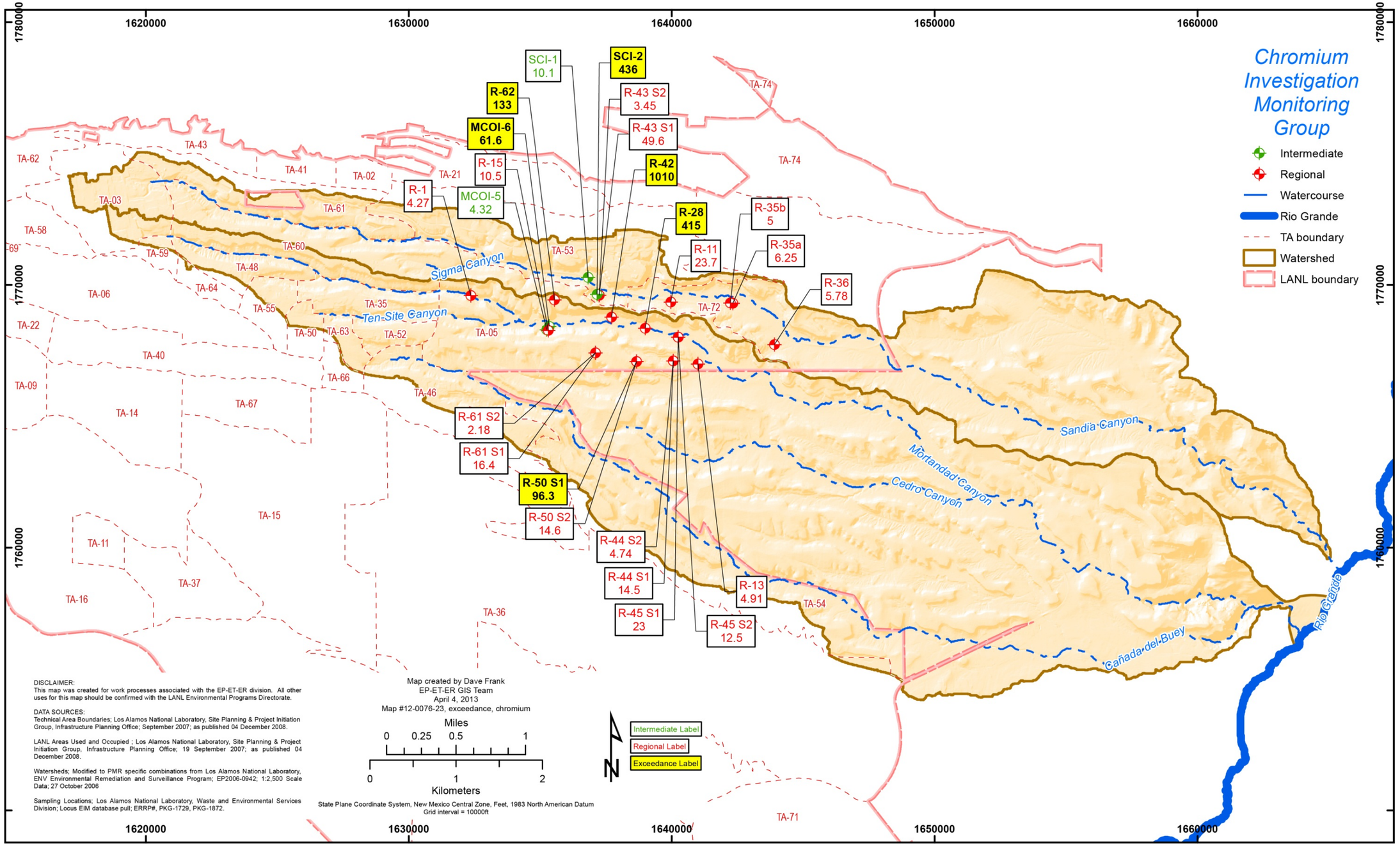


Figure 4.2-2 Monitoring group filtered chromium concentrations in µg/L. The NMWQCC groundwater standard screening level is 50 µg/L.

Table 2.0-1
Chromium Investigation Monitoring Group Locations and General Information

Location Name	Sample Collection Date	Screened Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge Rate gpm[a]
Intermediate							
MCOI-4	n/a[b]	23.1	498.9	522	n/a	n/a	Dry[c]
MCOI-5	10/30/12	9.96	689.04	699	14.7	15.2	0.4
MCOI-6	11/02/12	22.3	686	708.3	45.3	175	1.5
SCI-1	11/02/12	19.5	358.4	377.9	7.2	11.8	0.65
SCI-2	11/05/12	20	548	568	6.89	25	0.46
Regional							
R-1	10/30/12	26.3	1031.1	1057.4	62.95	191.4	3.3
R-11	11/05/12	22.9	855	877.9	51.95	156	3
R-13	10/31/12	60.39	958.3	1018.7	156.6	470	6.9
R-15	10/31/12	61.7	958.6	1020.3	60.2	187	8.5
R-28	10/31/12	23.8	934.3	958.1	89.1	267	3.8
R-35a	11/13/12	49.1	1013.1	1062.2	239.6	720	3.6
R-35b	11/14/12	23.1	825.4	848.5	67.1	201	3.66
R-36	11/14/12	23	766.9	789.9	41.98	128.7	3.3
R-42	10/31/12	21.1	931.8	952.9	52.8	158.4	2.2
R-43 S1	11/07/12	20.7	903.9	924.6	65.9	199	1.3
R-43 S2	11/07/12	10	969.1	979.1	25.5	77	1.35
R-44 S1	11/12/12	10	895	905	56.47	170	3.4
R-44 S2	11/12/12	9.9	985.3	995.2	76.4	231.2	3.4
R-45 S1	11/06/12	10	880	890	52	157.5	3.5
R-45 S2	11/06/12	20	974.9	994.9	91.8	278.8	3.4
R-50 S1	11/09/12	10	1077	1087	50.96	155	2.5
R-50 S2	11/09/12	20.59	1185	1205.6	96.49	306	1.7
R-61 S1	11/15/12	10	1125	1135	60.7	182	2
R-61 S2	11/15/12	20.59	1220.4	1241	86.3	259	2.1
R-62	11/08/12	20.7	1158.4	1179.1	46.7	560	1.2

[a] gpm = Gallons per minute.

[b] n/a = Not applicable.

[c] See Table 3.4-1 for explanation.

Table 3.4-1
Chromium Investigation Monitoring Group PME Observations and Deviations

Location	Deviation	Cause	Comment
MCOI-4	No data are included in this report for this location.	The location was not sampled because it was dry.	This location will be sampled during the next scheduled PME.
MCOI-6, R-28, R-45 S1, R-45 S2, R-50 S1, R-50 S2, R-62, R-43 S1, and R-43 S2	The sampling requirements were modified.	NMED draft comments on 2011 IFGMP, Revision 1	n/a*

*n/a = Not applicable.

Table 3.4-2
Analytes with PQLs above Screening Levels

Analyte or CAS[a] No.	Analyte Name	MDL	PQL	Screening Level	Unit	Screening-Level Type
Herbicides						
94-74-6	MCPA[b]	12	53	18	µg/L	EPA Regional Tap
93-65-2	MCPP[c]	11	53	37	µg/L	EPA Regional Tap
Metals						
Be	Beryllium	1	5	4	µg/L	EPA MCL
Semivolatile Organic Compounds						
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
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 Groundwater Standard

Table 3.4-2 (continued)

Analyte or CAS[a] No.	Analyte Name	MDL	PQL	Screening Level	Unit	Screening-Level Type
Volatile Organic Compounds						
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] MCPA = 2-Methyl-4-chlorophenoxyacetic acid.

[c] 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 Source	Standard Type	Groundwater	Surface Water
DOE Order 5400.5	DOE BCGs	n/a[a]	X[b]
DOE Order 5400.5	DOE 100-mrem Public Dose DCG	X	n/a
DOE Order 5400.5	DOE 4-mrem Drinking Water DCG	X	n/a
40 CFR[c] 141	EPA Primary Drinking Water Standard	X	n/a
EPA Regional Screening Levels for Chemical Contaminants at Superfund Sites	EPA Regional Screening Levels for Tap Water	X	n/a
20 NMAC.3.4	New Mexico Environmental Improvement Board Radiation Protection Standards	X	X
20 NMAC 6.2	NMWQCC Groundwater Standard	X	n/a
20 NMAC 6.4	NMWQCC Irrigation Standard	n/a	X
20 NMAC 6.4	NMWQCC Livestock Watering Standard	n/a	X
20 NMAC 6.4	NMWQCC Wildlife Habitat Standard	n/a	X
20 NMAC 6.4	NMWQCC Aquatic Life Standards Acute	n/a	X
20 NMAC 6.4	NMWQCC Aquatic Life Standards Chronic	n/a	X
20 NMAC 6.4	NMWQCC Human Health Standard	n/a	X

[a] n/a = Not applicable.

[b] X = Applied to data screen for this report.

[c] CFR = Code of Federal Regulations.

Table 4.2-2
Chromium Investigation Monitoring Group Groundwater Results above Screening Levels

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Intermediate Groundwater							
MCOI-5	10/30/12	Perchlorate	F[a]	75	µg/L	4	Consent Order
MCOI-6	11/02/12	Perchlorate	F	63.5	µg/L	4	Consent Order
MCOI-6	11/02/12	Chromium	F	61.6	µg/L	50	NMWQCC Groundwater Standard
SCI-2	11/05/12	Chromium	F	436	µg/L	50	NMWQCC Groundwater Standard
MCOI-6	11/02/12	Dioxane[1,4-]	UF[b]	9.69	µg/L	6.7	EPA Tap Water Screening Level
Regional Groundwater							
R-15	10/31/12	Perchlorate	F	7.86	µg/L	4	Consent Order
R-61 S1	11/15/12	Perchlorate	F	6.13	µg/L	4	Consent Order
R-28	10/31/12	Chromium	F	415	µg/L	50	NMWQCC Groundwater Standard
R-42	10/31/12	Chromium	F	1010	µg/L	50	NMWQCC Groundwater Standard
R-43 S1	11/07/12	Chromium	F	49.6	µg/L	50	NMWQCC Groundwater Standard
R-50 S1	11/09/12	Chromium	F	96.3	µg/L	50	NMWQCC Groundwater Standard
R-62	11/08/12	Chromium	F	133	µg/L	50	NMWQCC Groundwater Standard

[a] F = Filtered.

[b] UF = Unfiltered.

Appendix A

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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-5	689.04	10/30/12	WG[a]	Dissolved Oxygen	6.84	mg/L	CAMO-13-24238
MCOI-5	689.04	06/04/12	WG	Dissolved Oxygen	7.49	mg/L	CAMO-12-14070
MCOI-5	689.04	11/08/11	WG	Dissolved Oxygen	7.14	mg/L	CAMO-12-1465
MCOI-5	689.04	08/10/11	WG	Dissolved Oxygen	7.01	mg/L	CAMO-11-24627
MCOI-5	689.04	05/26/11	WG	Dissolved Oxygen	6.81	mg/L	CAMO-11-10699
MCOI-5	689.04	10/30/12	WG	Oxidation-Reduction Potential	198.8	mV	CAMO-13-24238
MCOI-5	689.04	06/04/12	WG	Oxidation-Reduction Potential	234.1	mV	CAMO-12-14070
MCOI-5	689.04	11/08/11	WG	Oxidation-Reduction Potential	213.3	mV	CAMO-12-1465
MCOI-5	689.04	08/10/11	WG	Oxidation-Reduction Potential	236	mV	CAMO-11-24627
MCOI-5	689.04	05/26/11	WG	Oxidation-Reduction Potential	138.8	mV	CAMO-11-10699
MCOI-5	689.04	10/30/12	WG	pH	8.63	SU[b]	CAMO-13-24238
MCOI-5	689.04	06/04/12	WG	pH	8.49	SU	CAMO-12-14070
MCOI-5	689.04	11/08/11	WG	pH	8.44	SU	CAMO-12-1465
MCOI-5	689.04	08/10/11	WG	pH	8.42	SU	CAMO-11-24627
MCOI-5	689.04	05/26/11	WG	pH	8.04	SU	CAMO-11-10699
MCOI-5	689.04	10/30/12	WG	Specific Conductance	196	µS/cm	CAMO-13-24238
MCOI-5	689.04	06/04/12	WG	Specific Conductance	182	µS/cm	CAMO-12-14070
MCOI-5	689.04	11/08/11	WG	Specific Conductance	191	µS/cm	CAMO-12-1465
MCOI-5	689.04	08/10/11	WG	Specific Conductance	199	µS/cm	CAMO-11-24627
MCOI-5	689.04	05/26/11	WG	Specific Conductance	184	µS/cm	CAMO-11-10699
MCOI-5	689.04	10/30/12	WG	Temperature	13.14	deg C	CAMO-13-24238
MCOI-5	689.04	06/04/12	WG	Temperature	14.41	deg C	CAMO-12-14070
MCOI-5	689.04	11/08/11	WG	Temperature	11.72	deg C	CAMO-12-1465
MCOI-5	689.04	08/10/11	WG	Temperature	13.8	deg C	CAMO-11-24627
MCOI-5	689.04	05/26/11	WG	Temperature	13.66	deg C	CAMO-11-10699
MCOI-5	689.04	10/30/12	WG	Turbidity	0.33	NTU[c]	CAMO-13-24238
MCOI-5	689.04	06/04/12	WG	Turbidity	0.66	NTU	CAMO-12-14070
MCOI-5	689.04	11/08/11	WG	Turbidity	0.58	NTU	CAMO-12-1465

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-5	689.04	08/10/11	WG	Turbidity	0.34	NTU	CAMO-11-24627
MCOI-5	689.04	05/26/11	WG	Turbidity	0.55	NTU	CAMO-11-10699
MCOI-6	686	11/02/12	WG	Dissolved Oxygen	7.18	mg/L	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Dissolved Oxygen	7.1	mg/L	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Dissolved Oxygen	6.97	mg/L	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Dissolved Oxygen	7.1	mg/L	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Dissolved Oxygen	7.1	mg/L	CAMO-12-12026
MCOI-6	686	11/09/11	WG	Dissolved Oxygen	6.65	mg/L	CAMO-12-1468
MCOI-6	686	11/02/12	WG	Oxidation-Reduction Potential	110.6	mV	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Oxidation-Reduction Potential	104.5	mV	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Oxidation-Reduction Potential	197.9	mV	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Oxidation-Reduction Potential	211.6	mV	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Oxidation-Reduction Potential	211.6	mV	CAMO-12-12026
MCOI-6	686	11/09/11	WG	Oxidation-Reduction Potential	180.8	mV	CAMO-12-1468
MCOI-6	686	11/02/12	WG	pH	7.18	SU	CAMO-13-24239
MCOI-6	686	08/17/12	WG	pH	8.32	SU	CAMO-12-21734
MCOI-6	686	06/04/12	WG	pH	7.2	SU	CAMO-12-14006
MCOI-6	686	03/05/12	WG	pH	7.25	SU	CAMO-12-12026
MCOI-6	686	03/05/12	WG	pH	7.25	SU	CAMO-12-12017
MCOI-6	686	11/09/11	WG	pH	7.11	SU	CAMO-12-1468
MCOI-6	686	11/02/12	WG	Specific Conductance	623	µS/cm	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Specific Conductance	594	µS/cm	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Specific Conductance	599	µS/cm	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Specific Conductance	602	µS/cm	CAMO-12-12026
MCOI-6	686	03/05/12	WG	Specific Conductance	602	µS/cm	CAMO-12-12017
MCOI-6	686	11/09/11	WG	Specific Conductance	618	µS/cm	CAMO-12-1468
MCOI-6	686	11/02/12	WG	Temperature	15.49	deg C	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Temperature	15.97	deg C	CAMO-12-21734

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	06/04/12	WG	Temperature	16.4	deg C	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Temperature	15.62	deg C	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Temperature	15.62	deg C	CAMO-12-12026
MCOI-6	686	11/09/11	WG	Temperature	14.42	deg C	CAMO-12-1468
MCOI-6	686	11/02/12	WG	Turbidity	0.43	NTU	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Turbidity	0.53	NTU	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Turbidity	0.42	NTU	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Turbidity	0.54	NTU	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Turbidity	0.54	NTU	CAMO-12-12026
MCOI-6	686	11/09/11	WG	Turbidity	0.79	NTU	CAMO-12-1468
R-1	1031.12	10/30/12	WG	Dissolved Oxygen	5.53	mg/L	CAMO-13-24240
R-1	1031.12	11/18/11	WG	Dissolved Oxygen	5.35	mg/L	CAMO-12-1474
R-1	1031.12	08/02/11	WG	Dissolved Oxygen	5.42	mg/L	CAMO-11-24660
R-1	1031.12	06/03/11	WG	Dissolved Oxygen	5.35	mg/L	CAMO-11-10747
R-1	1031.12	11/12/10	WG	Dissolved Oxygen	4.84	mg/L	CAMO-11-1262
R-1	1031.12	10/30/12	WG	Oxidation-Reduction Potential	-13.3	mV	CAMO-13-24240
R-1	1031.12	11/18/11	WG	Oxidation-Reduction Potential	136.8	mV	CAMO-12-1474
R-1	1031.12	08/02/11	WG	Oxidation-Reduction Potential	184.2	mV	CAMO-11-24660
R-1	1031.12	06/03/11	WG	Oxidation-Reduction Potential	166	mV	CAMO-11-10747
R-1	1031.12	11/12/10	WG	Oxidation-Reduction Potential	192.6	mV	CAMO-11-1262
R-1	1031.12	10/30/12	WG	pH	7.76	SU	CAMO-13-24240
R-1	1031.12	11/18/11	WG	pH	7.39	SU	CAMO-12-1474
R-1	1031.12	08/02/11	WG	pH	7.2	SU	CAMO-11-24660
R-1	1031.12	06/03/11	WG	pH	7.5	SU	CAMO-11-10747
R-1	1031.12	11/12/10	WG	pH	7	SU	CAMO-11-1262
R-1	1031.12	10/30/12	WG	Specific Conductance	146	µS/cm	CAMO-13-24240
R-1	1031.12	11/18/11	WG	Specific Conductance	143	µS/cm	CAMO-12-1474
R-1	1031.12	08/02/11	WG	Specific Conductance	143	µS/cm	CAMO-11-24660

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-1	1031.12	06/03/11	WG	Specific Conductance	143	µS/cm	CAMO-11-10747
R-1	1031.12	11/12/10	WG	Specific Conductance	140	µS/cm	CAMO-11-1262
R-1	1031.12	10/30/12	WG	Temperature	21.26	deg C	CAMO-13-24240
R-1	1031.12	11/18/11	WG	Temperature	20.4	deg C	CAMO-12-1474
R-1	1031.12	08/02/11	WG	Temperature	20.71	deg C	CAMO-11-24660
R-1	1031.12	06/03/11	WG	Temperature	2.47	deg C	CAMO-11-10747
R-1	1031.12	11/12/10	WG	Temperature	20.26	deg C	CAMO-11-1262
R-1	1031.12	10/30/12	WG	Turbidity	0.54	NTU	CAMO-13-24240
R-1	1031.12	11/18/11	WG	Turbidity	1.48	NTU	CAMO-12-1474
R-1	1031.12	08/02/11	WG	Turbidity	1.61	NTU	CAMO-11-24660
R-1	1031.12	06/03/11	WG	Turbidity	1.03	NTU	CAMO-11-10747
R-1	1031.12	11/12/10	WG	Turbidity	0.48	NTU	CAMO-11-1262
R-11	855	11/05/12	WG	Dissolved Oxygen	7.17	mg/L	CASA-13-24209
R-11	855	08/17/12	WG	Dissolved Oxygen	7.54	mg/L	CASA-12-21643
R-11	855	05/21/12	WG	Dissolved Oxygen	7.11	mg/L	CASA-12-14057
R-11	855	05/21/12	WG	Dissolved Oxygen	7.11	mg/L	CASA-12-14062
R-11	855	03/07/12	WG	Dissolved Oxygen	7.36	mg/L	CASA-12-11709
R-11	855	11/16/11	WG	Dissolved Oxygen	7.58	mg/L	CASA-12-1379
R-11	855	11/05/12	WG	Oxidation-Reduction Potential	100.3	mV	CASA-13-24209
R-11	855	08/17/12	WG	Oxidation-Reduction Potential	227.5	mV	CASA-12-21643
R-11	855	05/21/12	WG	Oxidation-Reduction Potential	224.8	mV	CASA-12-14062
R-11	855	05/21/12	WG	Oxidation-Reduction Potential	224.8	mV	CASA-12-14057
R-11	855	03/07/12	WG	Oxidation-Reduction Potential	131.7	mV	CASA-12-11709
R-11	855	11/16/11	WG	Oxidation-Reduction Potential	168.7	mV	CASA-12-1379
R-11	855	11/05/12	WG	pH	8.04	SU	CASA-13-24209
R-11	855	08/17/12	WG	pH	7.98	SU	CASA-12-21643
R-11	855	05/21/12	WG	pH	8.03	SU	CASA-12-14057
R-11	855	05/21/12	WG	pH	8.03	SU	CASA-12-14062

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-11	855	03/07/12	WG	pH	7.97	SU	CASA-12-11709
R-11	855	11/16/11	WG	pH	7.99	SU	CASA-12-1379
R-11	855	11/05/12	WG	Specific Conductance	226	µS/cm	CASA-13-24209
R-11	855	08/17/12	WG	Specific Conductance	234	µS/cm	CASA-12-21643
R-11	855	05/21/12	WG	Specific Conductance	230	µS/cm	CASA-12-14057
R-11	855	05/21/12	WG	Specific Conductance	230	µS/cm	CASA-12-14062
R-11	855	03/07/12	WG	Specific Conductance	223	µS/cm	CASA-12-11709
R-11	855	11/16/11	WG	Specific Conductance	224	µS/cm	CASA-12-1379
R-11	855	11/05/12	WG	Temperature	21.38	deg C	CASA-13-24209
R-11	855	08/17/12	WG	Temperature	21.38	deg C	CASA-12-21643
R-11	855	05/21/12	WG	Temperature	21.87	deg C	CASA-12-14062
R-11	855	05/21/12	WG	Temperature	21.87	deg C	CASA-12-14057
R-11	855	03/07/12	WG	Temperature	20.59	deg C	CASA-12-11709
R-11	855	11/16/11	WG	Temperature	21.21	deg C	CASA-12-1379
R-11	855	11/05/12	WG	Turbidity	0.34	NTU	CASA-13-24209
R-11	855	08/17/12	WG	Turbidity	0.17	NTU	CASA-12-21643
R-11	855	05/21/12	WG	Turbidity	0.2	NTU	CASA-12-14057
R-11	855	05/21/12	WG	Turbidity	0.2	NTU	CASA-12-14062
R-11	855	03/07/12	WG	Turbidity	0.46	NTU	CASA-12-11709
R-11	855	11/16/11	WG	Turbidity	0.24	NTU	CASA-12-1379
R-13	958.33	10/31/12	WG	Dissolved Oxygen	6.36	mg/L	CAMO-13-24258
R-13	958.33	06/05/12	WG	Dissolved Oxygen	6.34	mg/L	CAMO-12-17126
R-13	958.33	11/22/11	WG	Dissolved Oxygen	6.29	mg/L	CAMO-12-1480
R-13	958.33	08/01/11	WG	Dissolved Oxygen	6.59	mg/L	CAMO-11-24633
R-13	958.33	05/25/11	WG	Dissolved Oxygen	6.55	mg/L	CAMO-11-10703
R-13	958.33	10/31/12	WG	Oxidation-Reduction Potential	217.2	mV	CAMO-13-24258
R-13	958.33	06/05/12	WG	Oxidation-Reduction Potential	250.7	mV	CAMO-12-17126
R-13	958.33	11/22/11	WG	Oxidation-Reduction Potential	194.9	mV	CAMO-12-1480

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-13	958.33	08/01/11	WG	Oxidation-Reduction Potential	82.5	mV	CAMO-11-24633
R-13	958.33	05/25/11	WG	Oxidation-Reduction Potential	203.6	mV	CAMO-11-10703
R-13	958.33	10/31/12	WG	pH	8.21	SU	CAMO-13-24258
R-13	958.33	06/05/12	WG	pH	8.23	SU	CAMO-12-17126
R-13	958.33	11/22/11	WG	pH	8.29	SU	CAMO-12-1480
R-13	958.33	08/01/11	WG	pH	8.21	SU	CAMO-11-24633
R-13	958.33	05/25/11	WG	pH	8.24	SU	CAMO-11-10703
R-13	958.33	10/31/12	WG	Specific Conductance	146	µS/cm	CAMO-13-24258
R-13	958.33	06/05/12	WG	Specific Conductance	143	µS/cm	CAMO-12-17126
R-13	958.33	11/22/11	WG	Specific Conductance	141	µS/cm	CAMO-12-1480
R-13	958.33	08/01/11	WG	Specific Conductance	143	µS/cm	CAMO-11-24633
R-13	958.33	05/25/11	WG	Specific Conductance	140	µS/cm	CAMO-11-10703
R-13	958.33	10/31/12	WG	Temperature	21.4	deg C	CAMO-13-24258
R-13	958.33	06/05/12	WG	Temperature	21.85	deg C	CAMO-12-17126
R-13	958.33	11/22/11	WG	Temperature	20.78	deg C	CAMO-12-1480
R-13	958.33	08/01/11	WG	Temperature	22.01	deg C	CAMO-11-24633
R-13	958.33	05/25/11	WG	Temperature	22.08	deg C	CAMO-11-10703
R-13	958.33	10/31/12	WG	Turbidity	0.29	NTU	CAMO-13-24258
R-13	958.33	06/05/12	WG	Turbidity	0.24	NTU	CAMO-12-17126
R-13	958.33	11/22/11	WG	Turbidity	0.42	NTU	CAMO-12-1480
R-13	958.33	08/01/11	WG	Turbidity	0.28	NTU	CAMO-11-24633
R-13	958.33	05/25/11	WG	Turbidity	0.31	NTU	CAMO-11-10703
R-15	958.6	10/31/12	WG	Dissolved Oxygen	7.05	mg/L	CAMO-13-24242
R-15	958.6	05/29/12	WG	Dissolved Oxygen	7.18	mg/L	CAMO-12-14007
R-15	958.6	11/10/11	WG	Dissolved Oxygen	7.16	mg/L	CAMO-12-1485
R-15	958.6	08/15/11	WG	Dissolved Oxygen	6.6	mg/L	CAMO-11-24636
R-15	958.6	05/31/11	WG	Dissolved Oxygen	6.9	mg/L	CAMO-11-10715
R-15	958.6	10/31/12	WG	Oxidation-Reduction Potential	119.1	mV	CAMO-13-24242

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-15	958.6	05/29/12	WG	Oxidation-Reduction Potential	189.7	mV	CAMO-12-14007
R-15	958.6	11/10/11	WG	Oxidation-Reduction Potential	225.4	mV	CAMO-12-1485
R-15	958.6	08/15/11	WG	Oxidation-Reduction Potential	37.9	mV	CAMO-11-24636
R-15	958.6	05/31/11	WG	Oxidation-Reduction Potential	175.9	mV	CAMO-11-10715
R-15	958.6	10/31/12	WG	pH	8.23	SU	CAMO-13-24242
R-15	958.6	05/29/12	WG	pH	8.02	SU	CAMO-12-14007
R-15	958.6	11/10/11	WG	pH	8.24	SU	CAMO-12-1485
R-15	958.6	08/15/11	WG	pH	8.6	SU	CAMO-11-24636
R-15	958.6	05/31/11	WG	pH	8.3	SU	CAMO-11-10715
R-15	958.6	10/31/12	WG	Specific Conductance	150	µS/cm	CAMO-13-24242
R-15	958.6	05/29/12	WG	Specific Conductance	152	µS/cm	CAMO-12-14007
R-15	958.6	11/10/11	WG	Specific Conductance	157	µS/cm	CAMO-12-1485
R-15	958.6	08/15/11	WG	Specific Conductance	185	µS/cm	CAMO-11-24636
R-15	958.6	05/31/11	WG	Specific Conductance	158	µS/cm	CAMO-11-10715
R-15	958.6	10/31/12	WG	Temperature	16.45	deg C	CAMO-13-24242
R-15	958.6	05/29/12	WG	Temperature	20.25	deg C	CAMO-12-14007
R-15	958.6	11/10/11	WG	Temperature	18.75	deg C	CAMO-12-1485
R-15	958.6	08/15/11	WG	Temperature	20.24	deg C	CAMO-11-24636
R-15	958.6	05/31/11	WG	Temperature	20.35	deg C	CAMO-11-10715
R-15	958.6	10/31/12	WG	Turbidity	2.31	NTU	CAMO-13-24242
R-15	958.6	05/29/12	WG	Turbidity	2.78	NTU	CAMO-12-14007
R-15	958.6	11/10/11	WG	Turbidity	2.33	NTU	CAMO-12-1485
R-15	958.6	08/15/11	WG	Turbidity	2.93	NTU	CAMO-11-24636
R-15	958.6	05/31/11	WG	Turbidity	1.71	NTU	CAMO-11-10715
R-28	934.3	10/31/12	WG	Dissolved Oxygen	6.55	mg/L	CAMO-13-24260
R-28	934.3	08/08/12	WG	Dissolved Oxygen	6.72	mg/L	CAMO-12-21735
R-28	934.3	05/24/12	WG	Dissolved Oxygen	6.49	mg/L	CAMO-12-14023
R-28	934.3	03/13/12	WG	Dissolved Oxygen	6.58	mg/L	CAMO-12-12018

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-28	934.3	11/15/11	WG	Dissolved Oxygen	6.73	mg/L	CAMO-12-1486
R-28	934.3	10/31/12	WG	Oxidation-Reduction Potential	183.7	mV	CAMO-13-24260
R-28	934.3	08/08/12	WG	Oxidation-Reduction Potential	220.8	mV	CAMO-12-21735
R-28	934.3	05/24/12	WG	Oxidation-Reduction Potential	207.4	mV	CAMO-12-14023
R-28	934.3	03/13/12	WG	Oxidation-Reduction Potential	98.7	mV	CAMO-12-12018
R-28	934.3	11/15/11	WG	Oxidation-Reduction Potential	95.4	mV	CAMO-12-1486
R-28	934.3	10/31/12	WG	pH	7.63	SU	CAMO-13-24260
R-28	934.3	08/08/12	WG	pH	7.56	SU	CAMO-12-21735
R-28	934.3	05/24/12	WG	pH	7.54	SU	CAMO-12-14023
R-28	934.3	03/13/12	WG	pH	7.49	SU	CAMO-12-12018
R-28	934.3	11/15/11	WG	pH	7.8	SU	CAMO-12-1486
R-28	934.3	10/31/12	WG	Specific Conductance	435	µS/cm	CAMO-13-24260
R-28	934.3	08/08/12	WG	Specific Conductance	421	µS/cm	CAMO-12-21735
R-28	934.3	05/24/12	WG	Specific Conductance	417	µS/cm	CAMO-12-14023
R-28	934.3	03/13/12	WG	Specific Conductance	436	µS/cm	CAMO-12-12018
R-28	934.3	11/15/11	WG	Specific Conductance	417	µS/cm	CAMO-12-1486
R-28	934.3	10/31/12	WG	Temperature	20.48	deg C	CAMO-13-24260
R-28	934.3	08/08/12	WG	Temperature	21.17	deg C	CAMO-12-21735
R-28	934.3	05/24/12	WG	Temperature	21.21	deg C	CAMO-12-14023
R-28	934.3	03/13/12	WG	Temperature	20.66	deg C	CAMO-12-12018
R-28	934.3	11/15/11	WG	Temperature	20.22	deg C	CAMO-12-1486
R-28	934.3	10/31/12	WG	Turbidity	0.45	NTU	CAMO-13-24260
R-28	934.3	08/08/12	WG	Turbidity	0.65	NTU	CAMO-12-21735
R-28	934.3	05/24/12	WG	Turbidity	0.69	NTU	CAMO-12-14023
R-28	934.3	03/13/12	WG	Turbidity	5.2	NTU	CAMO-12-12018
R-28	934.3	11/15/11	WG	Turbidity	0.53	NTU	CAMO-12-1486
R-35a	1013.1	11/13/12	WG	Dissolved Oxygen	4.9	mg/L	CASA-13-24210
R-35a	1013.1	06/05/12	WG	Dissolved Oxygen	4.93	mg/L	CASA-12-17133

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35a	1013.1	11/17/11	WG	Dissolved Oxygen	4.71	mg/L	CASA-12-1383
R-35a	1013.1	08/17/11	WG	Dissolved Oxygen	5.12	mg/L	CASA-11-24781
R-35a	1013.1	05/23/11	WG	Dissolved Oxygen	5.04	mg/L	CASA-11-10812
R-35a	1013.1	11/13/12	WG	Oxidation-Reduction Potential	169.8	mV	CASA-13-24210
R-35a	1013.1	06/05/12	WG	Oxidation-Reduction Potential	312.5	mV	CASA-12-17133
R-35a	1013.1	11/17/11	WG	Oxidation-Reduction Potential	169.2	mV	CASA-12-1383
R-35a	1013.1	08/17/11	WG	Oxidation-Reduction Potential	225.8	mV	CASA-11-24781
R-35a	1013.1	05/23/11	WG	Oxidation-Reduction Potential	217.9	mV	CASA-11-10812
R-35a	1013.1	11/13/12	WG	pH	8.08	SU	CASA-13-24210
R-35a	1013.1	06/05/12	WG	pH	7.47	SU	CASA-12-17133
R-35a	1013.1	11/17/11	WG	pH	8.02	SU	CASA-12-1383
R-35a	1013.1	08/17/11	WG	pH	8	SU	CASA-11-24781
R-35a	1013.1	05/23/11	WG	pH	7.98	SU	CASA-11-10812
R-35a	1013.1	11/13/12	WG	Specific Conductance	241	µS/cm	CASA-13-24210
R-35a	1013.1	06/05/12	WG	Specific Conductance	242	µS/cm	CASA-12-17133
R-35a	1013.1	11/17/11	WG	Specific Conductance	243	µS/cm	CASA-12-1383
R-35a	1013.1	08/17/11	WG	Specific Conductance	247	µS/cm	CASA-11-24781
R-35a	1013.1	05/23/11	WG	Specific Conductance	248	µS/cm	CASA-11-10812
R-35a	1013.1	11/13/12	WG	Temperature	22.66	deg C	CASA-13-24210
R-35a	1013.1	06/05/12	WG	Temperature	24.36	deg C	CASA-12-17133
R-35a	1013.1	11/17/11	WG	Temperature	23.44	deg C	CASA-12-1383
R-35a	1013.1	08/17/11	WG	Temperature	24.23	deg C	CASA-11-24781
R-35a	1013.1	05/23/11	WG	Temperature	24.3	deg C	CASA-11-10812
R-35a	1013.1	11/13/12	WG	Turbidity	1.08	NTU	CASA-13-24210
R-35a	1013.1	06/05/12	WG	Turbidity	1.9	NTU	CASA-12-17133
R-35a	1013.1	11/17/11	WG	Turbidity	0.95	NTU	CASA-12-1383
R-35a	1013.1	08/17/11	WG	Turbidity	0.66	NTU	CASA-11-24781
R-35a	1013.1	05/23/11	WG	Turbidity	2.75	NTU	CASA-11-10812

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35b	825.4	11/14/12	WG	Dissolved Oxygen	6.14	mg/L	CASA-13-24211
R-35b	825.4	06/06/12	WG	Dissolved Oxygen	6.06	mg/L	CASA-12-17134
R-35b	825.4	11/09/11	WG	Dissolved Oxygen	6.27	mg/L	CASA-12-1387
R-35b	825.4	08/12/11	WG	Dissolved Oxygen	5.92	mg/L	CASA-11-24783
R-35b	825.4	06/01/11	WG	Dissolved Oxygen	6.03	mg/L	CASA-11-10815
R-35b	825.4	11/14/12	WG	Oxidation-Reduction Potential	188.4	mV	CASA-13-24211
R-35b	825.4	06/06/12	WG	Oxidation-Reduction Potential	232.7	mV	CASA-12-17134
R-35b	825.4	11/09/11	WG	Oxidation-Reduction Potential	191.7	mV	CASA-12-1387
R-35b	825.4	08/12/11	WG	Oxidation-Reduction Potential	67.4	mV	CASA-11-24783
R-35b	825.4	06/01/11	WG	Oxidation-Reduction Potential	286.6	mV	CASA-11-10815
R-35b	825.4	11/14/12	WG	pH	7.66	SU	CASA-13-24211
R-35b	825.4	06/06/12	WG	pH	7.5	SU	CASA-12-17134
R-35b	825.4	11/09/11	WG	pH	7.62	SU	CASA-12-1387
R-35b	825.4	08/12/11	WG	pH	7.68	SU	CASA-11-24783
R-35b	825.4	06/01/11	WG	pH	7.67	SU	CASA-11-10815
R-35b	825.4	11/14/12	WG	Specific Conductance	170	µS/cm	CASA-13-24211
R-35b	825.4	06/06/12	WG	Specific Conductance	174	µS/cm	CASA-12-17134
R-35b	825.4	11/09/11	WG	Specific Conductance	176	µS/cm	CASA-12-1387
R-35b	825.4	08/12/11	WG	Specific Conductance	177	µS/cm	CASA-11-24783
R-35b	825.4	06/01/11	WG	Specific Conductance	179	µS/cm	CASA-11-10815
R-35b	825.4	11/14/12	WG	Temperature	21.07	deg C	CASA-13-24211
R-35b	825.4	06/06/12	WG	Temperature	22.09	deg C	CASA-12-17134
R-35b	825.4	11/09/11	WG	Temperature	20.54	deg C	CASA-12-1387
R-35b	825.4	08/12/11	WG	Temperature	21.8	deg C	CASA-11-24783
R-35b	825.4	06/01/11	WG	Temperature	22.09	deg C	CASA-11-10815
R-35b	825.4	11/14/12	WG	Turbidity	0.51	NTU	CASA-13-24211
R-35b	825.4	06/06/12	WG	Turbidity	0.41	NTU	CASA-12-17134
R-35b	825.4	11/09/11	WG	Turbidity	0.56	NTU	CASA-12-1387

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35b	825.4	08/12/11	WG	Turbidity	0.42	NTU	CASA-11-24783
R-35b	825.4	06/01/11	WG	Turbidity	0.46	NTU	CASA-11-10815
R-36	766.9	11/14/12	WG	Dissolved Oxygen	5.97	mg/L	CASA-13-24212
R-36	766.9	05/30/12	WG	Dissolved Oxygen	6.08	mg/L	CASA-12-17135
R-36	766.9	03/08/12	WG	Dissolved Oxygen	6.14	mg/L	CASA-12-12037
R-36	766.9	11/16/11	WG	Dissolved Oxygen	6.22	mg/L	CASA-12-1388
R-36	766.9	08/15/11	WG	Dissolved Oxygen	6.16	mg/L	CASA-11-24789
R-36	766.9	11/14/12	WG	Oxidation-Reduction Potential	208.7	mV	CASA-13-24212
R-36	766.9	05/30/12	WG	Oxidation-Reduction Potential	245.9	mV	CASA-12-17135
R-36	766.9	03/08/12	WG	Oxidation-Reduction Potential	167.6	mV	CASA-12-12037
R-36	766.9	11/16/11	WG	Oxidation-Reduction Potential	165	mV	CASA-12-1388
R-36	766.9	08/15/11	WG	Oxidation-Reduction Potential	175.7	mV	CASA-11-24789
R-36	766.9	11/14/12	WG	pH	7.33	SU	CASA-13-24212
R-36	766.9	05/30/12	WG	pH	7.4	SU	CASA-12-17135
R-36	766.9	03/08/12	WG	pH	7.32	SU	CASA-12-12037
R-36	766.9	11/16/11	WG	pH	7.37	SU	CASA-12-1388
R-36	766.9	08/15/11	WG	pH	7.37	SU	CASA-11-24789
R-36	766.9	11/14/12	WG	Specific Conductance	195	µS/cm	CASA-13-24212
R-36	766.9	05/30/12	WG	Specific Conductance	195	µS/cm	CASA-12-17135
R-36	766.9	11/16/11	WG	Specific Conductance	194	µS/cm	CASA-12-1388
R-36	766.9	08/15/11	WG	Specific Conductance	195	µS/cm	CASA-11-24789
R-36	766.9	06/02/11	WG	Specific Conductance	192	µS/cm	CASA-11-10816
R-36	766.9	11/14/12	WG	Temperature	19.84	deg C	CASA-13-24212
R-36	766.9	05/30/12	WG	Temperature	20.87	deg C	CASA-12-17135
R-36	766.9	03/08/12	WG	Temperature	19.28	deg C	CASA-12-12037
R-36	766.9	11/16/11	WG	Temperature	20.45	deg C	CASA-12-1388
R-36	766.9	08/15/11	WG	Temperature	21.02	deg C	CASA-11-24789
R-36	766.9	11/14/12	WG	Turbidity	0.89	NTU	CASA-13-24212

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-36	766.9	05/30/12	WG	Turbidity	0.89	NTU	CASA-12-17135
R-36	766.9	03/08/12	WG	Turbidity	0.8	NTU	CASA-12-12037
R-36	766.9	11/16/11	WG	Turbidity	1	NTU	CASA-12-1388
R-36	766.9	08/15/11	WG	Turbidity	0.67	NTU	CASA-11-24789
R-42	931.8	10/31/12	WG	Dissolved Oxygen	6.99	mg/L	CAMO-13-24244
R-42	931.8	08/08/12	WG	Dissolved Oxygen	6.82	mg/L	CAMO-12-21736
R-42	931.8	05/23/12	WG	Dissolved Oxygen	6.84	mg/L	CAMO-12-14009
R-42	931.8	03/09/12	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-12020
R-42	931.8	03/09/12	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-12029
R-42	931.8	11/10/11	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-1491
R-42	931.8	10/31/12	WG	Oxidation-Reduction Potential	114.4	mV	CAMO-13-24244
R-42	931.8	08/08/12	WG	Oxidation-Reduction Potential	227	mV	CAMO-12-21736
R-42	931.8	05/23/12	WG	Oxidation-Reduction Potential	243.2	mV	CAMO-12-14009
R-42	931.8	03/09/12	WG	Oxidation-Reduction Potential	6.4	mV	CAMO-12-12020
R-42	931.8	03/09/12	WG	Oxidation-Reduction Potential	6.4	mV	CAMO-12-12029
R-42	931.8	11/10/11	WG	Oxidation-Reduction Potential	193	mV	CAMO-12-1491
R-42	931.8	10/31/12	WG	pH	7.48	SU	CAMO-13-24244
R-42	931.8	08/08/12	WG	pH	7.36	SU	CAMO-12-21736
R-42	931.8	05/23/12	WG	pH	7.5	SU	CAMO-12-14009
R-42	931.8	03/09/12	WG	pH	7.49	SU	CAMO-12-12029
R-42	931.8	03/09/12	WG	pH	7.49	SU	CAMO-12-12020
R-42	931.8	11/10/11	WG	pH	7.38	SU	CAMO-12-1491
R-42	931.8	10/31/12	WG	Specific Conductance	480	µS/cm	CAMO-13-24244
R-42	931.8	08/08/12	WG	Specific Conductance	488	µS/cm	CAMO-12-21736
R-42	931.8	05/23/12	WG	Specific Conductance	486	µS/cm	CAMO-12-14009
R-42	931.8	03/09/12	WG	Specific Conductance	483	µS/cm	CAMO-12-12029
R-42	931.8	03/09/12	WG	Specific Conductance	483	µS/cm	CAMO-12-12020
R-42	931.8	11/10/11	WG	Specific Conductance	486	µS/cm	CAMO-12-1491

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-42	931.8	10/31/12	WG	Temperature	19.49	deg C	CAMO-13-24244
R-42	931.8	08/08/12	WG	Temperature	21.18	deg C	CAMO-12-21736
R-42	931.8	05/23/12	WG	Temperature	20.69	deg C	CAMO-12-14009
R-42	931.8	03/09/12	WG	Temperature	18.42	deg C	CAMO-12-12020
R-42	931.8	03/09/12	WG	Temperature	18.42	deg C	CAMO-12-12029
R-42	931.8	11/10/11	WG	Temperature	18.76	deg C	CAMO-12-1491
R-42	931.8	10/31/12	WG	Turbidity	1.79	NTU	CAMO-13-24244
R-42	931.8	08/08/12	WG	Turbidity	0.66	NTU	CAMO-12-21736
R-42	931.8	05/23/12	WG	Turbidity	1.42	NTU	CAMO-12-14009
R-42	931.8	03/09/12	WG	Turbidity	0.84	NTU	CAMO-12-12020
R-42	931.8	03/09/12	WG	Turbidity	0.84	NTU	CAMO-12-12029
R-42	931.8	11/10/11	WG	Turbidity	0.81	NTU	CAMO-12-1491
R-43 S1	903.9	11/07/12	WG	Dissolved Oxygen	6.88	mg/L	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Dissolved Oxygen	6.86	mg/L	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Dissolved Oxygen	7.05	mg/L	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Dissolved Oxygen	7.04	mg/L	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	Dissolved Oxygen	7.06	mg/L	CASA-12-1391
R-43 S1	903.9	11/07/12	WG	Oxidation-Reduction Potential	83.3	mV	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Oxidation-Reduction Potential	244.2	mV	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Oxidation-Reduction Potential	229.9	mV	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Oxidation-Reduction Potential	151	mV	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	Oxidation-Reduction Potential	158.5	mV	CASA-12-1391
R-43 S1	903.9	11/07/12	WG	pH	8.23	SU	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	pH	8.12	SU	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	pH	8.2	SU	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	pH	8.33	SU	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	pH	8.3	SU	CASA-12-1391
R-43 S1	903.9	11/07/12	WG	Specific Conductance	176	µS/cm	CASA-13-24213

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S1	903.9	08/14/12	WG	Specific Conductance	181	µS/cm	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Specific Conductance	173	µS/cm	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Specific Conductance	177	µS/cm	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	Specific Conductance	177	µS/cm	CASA-12-1391
R-43 S1	903.9	11/07/12	WG	Temperature	20.18	deg C	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Temperature	20.4	deg C	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Temperature	20.85	deg C	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Temperature	19.71	deg C	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	Temperature	20.13	deg C	CASA-12-1391
R-43 S1	903.9	11/07/12	WG	Turbidity	0.51	NTU	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Turbidity	0.35	NTU	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Turbidity	0.53	NTU	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Turbidity	0.33	NTU	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	Turbidity	0.34	NTU	CASA-12-1391
R-43 S2	969.1	11/07/12	WG	Dissolved Oxygen	3.07	mg/L	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Dissolved Oxygen	2.95	mg/L	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Dissolved Oxygen	3.09	mg/L	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Dissolved Oxygen	3.42	mg/L	CASA-12-11715
R-43 S2	969.1	11/15/11	WG	Dissolved Oxygen	2.93	mg/L	CASA-12-1396
R-43 S2	969.1	11/07/12	WG	Oxidation-Reduction Potential	60.9	mV	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Oxidation-Reduction Potential	161.5	mV	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Oxidation-Reduction Potential	202.6	mV	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Oxidation-Reduction Potential	-147.3	mV	CASA-12-11715
R-43 S2	969.1	11/15/11	WG	Oxidation-Reduction Potential	110.7	mV	CASA-12-1396
R-43 S2	969.1	11/07/12	WG	pH	8.78	SU	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	pH	8.71	SU	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	pH	8.72	SU	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	pH	8.88	SU	CASA-12-11715

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	11/15/11	WG	pH	8.86	SU	CASA-12-1396
R-43 S2	969.1	11/07/12	WG	Specific Conductance	183	µS/cm	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Specific Conductance	191	µS/cm	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Specific Conductance	181	µS/cm	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Specific Conductance	189	µS/cm	CASA-12-11715
R-43 S2	969.1	11/15/11	WG	Specific Conductance	188	µS/cm	CASA-12-1396
R-43 S2	969.1	11/07/12	WG	Temperature	20.16	deg C	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Temperature	19.96	deg C	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Temperature	20.78	deg C	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Temperature	19.12	deg C	CASA-12-11715
R-43 S2	969.1	11/15/11	WG	Temperature	19.56	deg C	CASA-12-1396
R-43 S2	969.1	11/07/12	WG	Turbidity	0.38	NTU	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Turbidity	0.19	NTU	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Turbidity	0.29	NTU	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Turbidity	0.61	NTU	CASA-12-11715
R-43 S2	969.1	11/15/11	WG	Turbidity	0.44	NTU	CASA-12-1396
R-44 S1	895	11/12/12	WG	Dissolved Oxygen	6.7	mg/L	CAMO-13-24245
R-44 S1	895	05/24/12	WG	Dissolved Oxygen	5.64	mg/L	CAMO-12-14010
R-44 S1	895	11/17/11	WG	Dissolved Oxygen	5.23	mg/L	CAMO-12-1500
R-44 S1	895	08/05/11	WG	Dissolved Oxygen	5.56	mg/L	CAMO-11-24645
R-44 S1	895	05/19/11	WG	Dissolved Oxygen	5.33	mg/L	CAMO-11-10706
R-44 S1	895	11/12/12	WG	Oxidation-Reduction Potential	101.2	mV	CAMO-13-24245
R-44 S1	895	05/24/12	WG	Oxidation-Reduction Potential	271.1	mV	CAMO-12-14010
R-44 S1	895	11/17/11	WG	Oxidation-Reduction Potential	226.6	mV	CAMO-12-1500
R-44 S1	895	08/05/11	WG	Oxidation-Reduction Potential	103.8	mV	CAMO-11-24645
R-44 S1	895	05/19/11	WG	Oxidation-Reduction Potential	151	mV	CAMO-11-10706
R-44 S1	895	11/12/12	WG	pH	7.78	SU	CAMO-13-24245
R-44 S1	895	05/24/12	WG	pH	7.75	SU	CAMO-12-14010

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44 S1	895	11/17/11	WG	pH	7.95	SU	CAMO-12-1500
R-44 S1	895	08/05/11	WG	pH	7.84	SU	CAMO-11-24645
R-44 S1	895	05/19/11	WG	pH	7.8	SU	CAMO-11-10706
R-44 S1	895	11/12/12	WG	Specific Conductance	134	µS/cm	CAMO-13-24245
R-44 S1	895	05/24/12	WG	Specific Conductance	132	µS/cm	CAMO-12-14010
R-44 S1	895	11/17/11	WG	Specific Conductance	137	µS/cm	CAMO-12-1500
R-44 S1	895	08/05/11	WG	Specific Conductance	133	µS/cm	CAMO-11-24645
R-44 S1	895	05/19/11	WG	Specific Conductance	133	µS/cm	CAMO-11-10706
R-44 S1	895	11/12/12	WG	Temperature	18.67	deg C	CAMO-13-24245
R-44 S1	895	05/24/12	WG	Temperature	21.67	deg C	CAMO-12-14010
R-44 S1	895	11/17/11	WG	Temperature	18.57	deg C	CAMO-12-1500
R-44 S1	895	08/05/11	WG	Temperature	21.3	deg C	CAMO-11-24645
R-44 S1	895	05/19/11	WG	Temperature	20.16	deg C	CAMO-11-10706
R-44 S1	895	11/12/12	WG	Turbidity	0.43	NTU	CAMO-13-24245
R-44 S1	895	05/24/12	WG	Turbidity	0.57	NTU	CAMO-12-14010
R-44 S1	895	11/17/11	WG	Turbidity	0.42	NTU	CAMO-12-1500
R-44 S1	895	08/05/11	WG	Turbidity	0.58	NTU	CAMO-11-24645
R-44 S1	895	05/19/11	WG	Turbidity	0.45	NTU	CAMO-11-10706
R-44 S2	985.3	11/12/12	WG	Dissolved Oxygen	7.14	mg/L	CAMO-13-24246
R-44 S2	985.3	05/24/12	WG	Dissolved Oxygen	6.95	mg/L	CAMO-12-14011
R-44 S2	985.3	11/17/11	WG	Dissolved Oxygen	7.2	mg/L	CAMO-12-1502
R-44 S2	985.3	08/05/11	WG	Dissolved Oxygen	6.87	mg/L	CAMO-11-24526
R-44 S2	985.3	08/05/11	WG	Dissolved Oxygen	6.99	mg/L	CAMO-11-24528
R-44 S2	985.3	08/05/11	WG	Dissolved Oxygen	7.16	mg/L	CAMO-11-24530
R-44 S2	985.3	08/05/11	WG	Dissolved Oxygen	7.16	mg/L	CAMO-11-24648
R-44 S2	985.3	05/19/11	WG	Dissolved Oxygen	6.82	mg/L	CAMO-11-11471
R-44 S2	985.3	05/19/11	WG	Dissolved Oxygen	6.82	mg/L	CAMO-11-10708
R-44 S2	985.3	05/19/11	WG	Dissolved Oxygen	6.94	mg/L	CAMO-11-11467

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44 S2	985.3	05/19/11	WG	Dissolved Oxygen	6.94	mg/L	CAMO-11-11469
R-44 S2	985.3	11/12/12	WG	Oxidation-Reduction Potential	119.1	mV	CAMO-13-24246
R-44 S2	985.3	05/24/12	WG	Oxidation-Reduction Potential	275.9	mV	CAMO-12-14011
R-44 S2	985.3	11/17/11	WG	Oxidation-Reduction Potential	240.2	mV	CAMO-12-1502
R-44 S2	985.3	08/05/11	WG	Oxidation-Reduction Potential	95.1	mV	CAMO-11-24648
R-44 S2	985.3	08/05/11	WG	Oxidation-Reduction Potential	49.3	mV	CAMO-11-24526
R-44 S2	985.3	08/05/11	WG	Oxidation-Reduction Potential	86.6	mV	CAMO-11-24528
R-44 S2	985.3	08/05/11	WG	Oxidation-Reduction Potential	95.1	mV	CAMO-11-24530
R-44 S2	985.3	05/19/11	WG	Oxidation-Reduction Potential	71.9	mV	CAMO-11-11467
R-44 S2	985.3	05/19/11	WG	Oxidation-Reduction Potential	123	mV	CAMO-11-11471
R-44 S2	985.3	05/19/11	WG	Oxidation-Reduction Potential	108.8	mV	CAMO-11-11469
R-44 S2	985.3	05/19/11	WG	Oxidation-Reduction Potential	123	mV	CAMO-11-10708
R-44 S2	985.3	11/12/12	WG	pH	7.87	SU	CAMO-13-24246
R-44 S2	985.3	05/24/12	WG	pH	7.86	SU	CAMO-12-14011
R-44 S2	985.3	11/17/11	WG	pH	7.86	SU	CAMO-12-1502
R-44 S2	985.3	08/05/11	WG	pH	7.92	SU	CAMO-11-24526
R-44 S2	985.3	08/05/11	WG	pH	7.93	SU	CAMO-11-24648
R-44 S2	985.3	08/05/11	WG	pH	7.93	SU	CAMO-11-24530
R-44 S2	985.3	08/05/11	WG	pH	7.93	SU	CAMO-11-24528
R-44 S2	985.3	05/19/11	WG	pH	7.9	SU	CAMO-11-11471
R-44 S2	985.3	05/19/11	WG	pH	7.9	SU	CAMO-11-11467
R-44 S2	985.3	05/19/11	WG	pH	7.9	SU	CAMO-11-10708
R-44 S2	985.3	05/19/11	WG	pH	7.89	SU	CAMO-11-11469
R-44 S2	985.3	11/12/12	WG	Specific Conductance	144	µS/cm	CAMO-13-24246
R-44 S2	985.3	05/24/12	WG	Specific Conductance	148	µS/cm	CAMO-12-14011
R-44 S2	985.3	11/17/11	WG	Specific Conductance	151	µS/cm	CAMO-12-1502
R-44 S2	985.3	08/05/11	WG	Specific Conductance	146	µS/cm	CAMO-11-24530
R-44 S2	985.3	08/05/11	WG	Specific Conductance	146	µS/cm	CAMO-11-24648

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44 S2	985.3	08/05/11	WG	Specific Conductance	148	µS/cm	CAMO-11-24528
R-44 S2	985.3	08/05/11	WG	Specific Conductance	150	µS/cm	CAMO-11-24526
R-44 S2	985.3	05/19/11	WG	Specific Conductance	147	µS/cm	CAMO-11-10708
R-44 S2	985.3	05/19/11	WG	Specific Conductance	150	µS/cm	CAMO-11-11467
R-44 S2	985.3	05/19/11	WG	Specific Conductance	147	µS/cm	CAMO-11-11471
R-44 S2	985.3	05/19/11	WG	Specific Conductance	148	µS/cm	CAMO-11-11469
R-44 S2	985.3	11/12/12	WG	Temperature	19.03	deg C	CAMO-13-24246
R-44 S2	985.3	05/24/12	WG	Temperature	21.23	deg C	CAMO-12-14011
R-44 S2	985.3	11/17/11	WG	Temperature	20.72	deg C	CAMO-12-1502
R-44 S2	985.3	08/05/11	WG	Temperature	21.48	deg C	CAMO-11-24528
R-44 S2	985.3	08/05/11	WG	Temperature	20.53	deg C	CAMO-11-24526
R-44 S2	985.3	08/05/11	WG	Temperature	21.38	deg C	CAMO-11-24530
R-44 S2	985.3	08/05/11	WG	Temperature	21.38	deg C	CAMO-11-24648
R-44 S2	985.3	05/19/11	WG	Temperature	20.43	deg C	CAMO-11-10708
R-44 S2	985.3	05/19/11	WG	Temperature	20.43	deg C	CAMO-11-11471
R-44 S2	985.3	05/19/11	WG	Temperature	19.67	deg C	CAMO-11-11467
R-44 S2	985.3	05/19/11	WG	Temperature	20.44	deg C	CAMO-11-11469
R-44 S2	985.3	11/12/12	WG	Turbidity	0.17	NTU	CAMO-13-24246
R-44 S2	985.3	05/24/12	WG	Turbidity	1.1	NTU	CAMO-12-14011
R-44 S2	985.3	11/17/11	WG	Turbidity	0.29	NTU	CAMO-12-1502
R-44 S2	985.3	08/05/11	WG	Turbidity	0.39	NTU	CAMO-11-24528
R-44 S2	985.3	08/05/11	WG	Turbidity	0.33	NTU	CAMO-11-24526
R-44 S2	985.3	08/05/11	WG	Turbidity	0.26	NTU	CAMO-11-24648
R-44 S2	985.3	08/05/11	WG	Turbidity	0.26	NTU	CAMO-11-24530
R-44 S2	985.3	05/19/11	WG	Turbidity	0.4	NTU	CAMO-11-11469
R-44 S2	985.3	05/19/11	WG	Turbidity	0.33	NTU	CAMO-11-11471
R-44 S2	985.3	05/19/11	WG	Turbidity	0.33	NTU	CAMO-11-10708
R-44 S2	985.3	05/19/11	WG	Turbidity	0.3	NTU	CAMO-11-11467

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45 S1	880	11/06/12	WG	Dissolved Oxygen	7.22	mg/L	CAMO-13-24247
R-45 S1	880	05/22/12	WG	Dissolved Oxygen	7.18	mg/L	CAMO-12-14012
R-45 S1	880	11/16/11	WG	Dissolved Oxygen	7.25	mg/L	CAMO-12-1494
R-45 S1	880	08/01/11	WG	Dissolved Oxygen	7.08	mg/L	CAMO-11-24642
R-45 S1	880	05/20/11	WG	Dissolved Oxygen	7.2	mg/L	CAMO-11-10711
R-45 S1	880	11/06/12	WG	Oxidation-Reduction Potential	97.1	mV	CAMO-13-24247
R-45 S1	880	05/22/12	WG	Oxidation-Reduction Potential	186.5	mV	CAMO-12-14012
R-45 S1	880	11/16/11	WG	Oxidation-Reduction Potential	129.2	mV	CAMO-12-1494
R-45 S1	880	08/01/11	WG	Oxidation-Reduction Potential	119.5	mV	CAMO-11-24642
R-45 S1	880	05/20/11	WG	Oxidation-Reduction Potential	89.7	mV	CAMO-11-10711
R-45 S1	880	11/06/12	WG	pH	7.84	SU	CAMO-13-24247
R-45 S1	880	05/22/12	WG	pH	7.73	SU	CAMO-12-14012
R-45 S1	880	11/16/11	WG	pH	7.88	SU	CAMO-12-1494
R-45 S1	880	08/01/11	WG	pH	7.81	SU	CAMO-11-24642
R-45 S1	880	05/20/11	WG	pH	7.89	SU	CAMO-11-10711
R-45 S1	880	11/06/12	WG	Specific Conductance	173	µS/cm	CAMO-13-24247
R-45 S1	880	05/22/12	WG	Specific Conductance	176	µS/cm	CAMO-12-14012
R-45 S1	880	11/16/11	WG	Specific Conductance	177	µS/cm	CAMO-12-1494
R-45 S1	880	08/01/11	WG	Specific Conductance	178	µS/cm	CAMO-11-24642
R-45 S1	880	05/20/11	WG	Specific Conductance	175	µS/cm	CAMO-11-10711
R-45 S1	880	11/06/12	WG	Temperature	20.71	deg C	CAMO-13-24247
R-45 S1	880	05/22/12	WG	Temperature	21.38	deg C	CAMO-12-14012
R-45 S1	880	11/16/11	WG	Temperature	20.39	deg C	CAMO-12-1494
R-45 S1	880	08/01/11	WG	Temperature	21.48	deg C	CAMO-11-24642
R-45 S1	880	05/20/11	WG	Temperature	20.2	deg C	CAMO-11-10711
R-45 S1	880	11/06/12	WG	Turbidity	0.37	NTU	CAMO-13-24247
R-45 S1	880	05/22/12	WG	Turbidity	0.38	NTU	CAMO-12-14012
R-45 S1	880	11/16/11	WG	Turbidity	0.39	NTU	CAMO-12-1494

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45 S1	880	08/01/11	WG	Turbidity	0.25	NTU	CAMO-11-24642
R-45 S1	880	05/20/11	WG	Turbidity	0.14	NTU	CAMO-11-10711
R-45 S2	974.9	11/06/12	WG	Dissolved Oxygen	6.69	mg/L	CAMO-13-24248
R-45 S2	974.9	05/22/12	WG	Dissolved Oxygen	6.24	mg/L	CAMO-12-14013
R-45 S2	974.9	11/16/11	WG	Dissolved Oxygen	6.52	mg/L	CAMO-12-1497
R-45 S2	974.9	08/01/11	WG	Dissolved Oxygen	6.55	mg/L	CAMO-11-24644
R-45 S2	974.9	05/20/11	WG	Dissolved Oxygen	6.61	mg/L	CAMO-11-10713
R-45 S2	974.9	11/06/12	WG	Oxidation-Reduction Potential	86.8	mV	CAMO-13-24248
R-45 S2	974.9	05/22/12	WG	Oxidation-Reduction Potential	220.6	mV	CAMO-12-14013
R-45 S2	974.9	11/16/11	WG	Oxidation-Reduction Potential	123.4	mV	CAMO-12-1497
R-45 S2	974.9	08/01/11	WG	Oxidation-Reduction Potential	131.5	mV	CAMO-11-24644
R-45 S2	974.9	05/20/11	WG	Oxidation-Reduction Potential	100.9	mV	CAMO-11-10713
R-45 S2	974.9	11/06/12	WG	pH	8.1	SU	CAMO-13-24248
R-45 S2	974.9	05/22/12	WG	pH	8.01	SU	CAMO-12-14013
R-45 S2	974.9	11/16/11	WG	pH	8.19	SU	CAMO-12-1497
R-45 S2	974.9	08/01/11	WG	pH	8.08	SU	CAMO-11-24644
R-45 S2	974.9	05/20/11	WG	pH	8.15	SU	CAMO-11-10713
R-45 S2	974.9	11/06/12	WG	Specific Conductance	104	µS/cm	CAMO-13-24248
R-45 S2	974.9	05/22/12	WG	Specific Conductance	170	µS/cm	CAMO-12-14013
R-45 S2	974.9	11/16/11	WG	Specific Conductance	170	µS/cm	CAMO-12-1497
R-45 S2	974.9	08/01/11	WG	Specific Conductance	173	µS/cm	CAMO-11-24644
R-45 S2	974.9	05/20/11	WG	Specific Conductance	168	µS/cm	CAMO-11-10713
R-45 S2	974.9	11/06/12	WG	Temperature	20.82	µS/cm	CAMO-13-24248
R-45 S2	974.9	05/22/12	WG	Temperature	22.51	deg C	CAMO-12-14013
R-45 S2	974.9	11/16/11	WG	Temperature	20.67	deg C	CAMO-12-1497
R-45 S2	974.9	08/01/11	WG	Temperature	21.56	deg C	CAMO-11-24644
R-45 S2	974.9	05/20/11	WG	Temperature	21.06	deg C	CAMO-11-10713
R-45 S2	974.9	11/06/12	WG	Turbidity	0.4	NTU	CAMO-13-24248

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45 S2	974.9	05/22/12	WG	Turbidity	0.33	NTU	CAMO-12-14013
R-45 S2	974.9	11/16/11	WG	Turbidity	0.29	NTU	CAMO-12-1497
R-45 S2	974.9	08/01/11	WG	Turbidity	0.16	NTU	CAMO-11-24644
R-45 S2	974.9	05/20/11	WG	Turbidity	0.34	NTU	CAMO-11-10713
R-50 S1	1077	11/09/12	WG	Dissolved Oxygen	5.55	mg/L	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Dissolved Oxygen	5.27	mg/L	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Dissolved Oxygen	5.33	mg/L	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Dissolved Oxygen	5.47	mg/L	CAMO-12-12021
R-50 S1	1077	11/18/11	WG	Dissolved Oxygen	5.23	mg/L	CAMO-12-1505
R-50 S1	1077	11/09/12	WG	Oxidation-Reduction Potential	81.5	mV	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Oxidation-Reduction Potential	156.6	mV	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Oxidation-Reduction Potential	87.4	mV	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Oxidation-Reduction Potential	-6.9	mV	CAMO-12-12021
R-50 S1	1077	11/18/11	WG	Oxidation-Reduction Potential	107.9	mV	CAMO-12-1505
R-50 S1	1077	11/09/12	WG	pH	8.04	SU	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	pH	8.02	SU	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	pH	7.94	SU	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	pH	7.93	SU	CAMO-12-12021
R-50 S1	1077	11/18/11	WG	pH	7.93	SU	CAMO-12-1505
R-50 S1	1077	11/09/12	WG	Specific Conductance	185	µS/cm	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Specific Conductance	175	µS/cm	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Specific Conductance	186	µS/cm	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Specific Conductance	182	µS/cm	CAMO-12-12021
R-50 S1	1077	11/18/11	WG	Specific Conductance	176	µS/cm	CAMO-12-1505
R-50 S1	1077	11/09/12	WG	Temperature	18.06	deg C	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Temperature	20.7	deg C	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Temperature	21.25	deg C	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Temperature	19.42	deg C	CAMO-12-12021

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S1	1077	11/18/11	WG	Temperature	20.61	deg C	CAMO-12-1505
R-50 S1	1077	11/09/12	WG	Turbidity	0.63	NTU	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Turbidity	0.82	NTU	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Turbidity	0.58	NTU	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Turbidity	0.76	NTU	CAMO-12-12021
R-50 S1	1077	11/18/11	WG	Turbidity	2.57	NTU	CAMO-12-1505
R-50 S2	1185	11/09/12	WG	Dissolved Oxygen	7.04	mg/L	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Dissolved Oxygen	6.93	mg/L	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Dissolved Oxygen	6.93	mg/L	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Dissolved Oxygen	6.89	mg/L	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	Dissolved Oxygen	6.57	mg/L	CAMO-12-1809
R-50 S2	1185	11/09/12	WG	Oxidation-Reduction Potential	74	mV	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Oxidation-Reduction Potential	201.7	mV	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Oxidation-Reduction Potential	128.8	mV	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Oxidation-Reduction Potential	82.7	mV	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	Oxidation-Reduction Potential	133.9	mV	CAMO-12-1809
R-50 S2	1185	11/09/12	WG	pH	8.13	SU	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	pH	8.06	SU	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	pH	8.06	SU	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	pH	8.24	SU	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	pH	8.19	SU	CAMO-12-1809
R-50 S2	1185	11/09/12	WG	Specific Conductance	139	µS/cm	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Specific Conductance	127	µS/cm	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Specific Conductance	133	µS/cm	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Specific Conductance	127	µS/cm	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	Specific Conductance	115	µS/cm	CAMO-12-1809
R-50 S2	1185	11/09/12	WG	Temperature	18.57	deg C	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Temperature	21.64	deg C	CAMO-12-21746

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S2	1185	05/31/12	WG	Temperature	21.56	deg C	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Temperature	20.79	deg C	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	Temperature	20.86	deg C	CAMO-12-1809
R-50 S2	1185	11/09/12	WG	Turbidity	1.24	NTU	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Turbidity	0.43	NTU	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Turbidity	1.93	NTU	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Turbidity	0.64	NTU	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	Turbidity	0.81	NTU	CAMO-12-1809
R-61 S1	1125	11/15/12	WG	Dissolved Oxygen	4.77	mg/L	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	0.42	mg/L	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	1.51	mg/L	CAMO-12-13965
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	0.76	mg/L	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	0.48	mg/L	CAMO-12-13962
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	3.11	mg/L	CAMO-12-2236
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	3.8	mg/L	CAMO-12-2248
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	3.8	mg/L	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	2.57	mg/L	CAMO-12-2238
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	2.08	mg/L	CAMO-12-2245
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	1.68	mg/L	CAMO-12-2239
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	1.18	mg/L	CAMO-12-2241
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	0.74	mg/L	CAMO-12-2243
R-61 S1	1125	11/21/11	WG	Dissolved Oxygen	2.11	mg/L	CAMO-12-1511
R-61 S1	1125	11/21/11	WG	Dissolved Oxygen	2.11	mg/L	CAMO-12-1433
R-61 S1	1125	11/21/11	WG	Dissolved Oxygen	0.49	mg/L	CAMO-12-1429
R-61 S1	1125	11/21/11	WG	Dissolved Oxygen	1.06	mg/L	CAMO-12-1431
R-61 S1	1125	11/15/11	WG	Dissolved Oxygen	0.79	mg/L	CAMO-12-1419
R-61 S1	1125	11/15/11	WG	Dissolved Oxygen	3.03	mg/L	CAMO-12-1425
R-61 S1	1125	11/15/11	WG	Dissolved Oxygen	2.4	mg/L	CAMO-12-1423

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	11/15/11	WG	Dissolved Oxygen	1.42	mg/L	CAMO-12-1421
R-61 S1	1125	11/15/12	WG	Oxidation-Reduction Potential	202.1	mV	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-74.3	mV	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-52.2	mV	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-42.1	mV	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-23.5	mV	CAMO-12-13965
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-98.6	mV	CAMO-12-2243
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-13.6	mV	CAMO-12-2248
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-13.6	mV	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-39.9	mV	CAMO-12-2236
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-62.2	mV	CAMO-12-2238
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-74.2	mV	CAMO-12-2241
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-142.6	mV	CAMO-12-2245
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-67.1	mV	CAMO-12-2239
R-61 S1	1125	11/21/11	WG	Oxidation-Reduction Potential	-72.3	mV	CAMO-12-1511
R-61 S1	1125	11/21/11	WG	Oxidation-Reduction Potential	-72.3	mV	CAMO-12-1433
R-61 S1	1125	11/21/11	WG	Oxidation-Reduction Potential	-83.9	mV	CAMO-12-1431
R-61 S1	1125	11/21/11	WG	Oxidation-Reduction Potential	-89.5	mV	CAMO-12-1429
R-61 S1	1125	11/15/11	WG	Oxidation-Reduction Potential	-85.5	mV	CAMO-12-1423
R-61 S1	1125	11/15/11	WG	Oxidation-Reduction Potential	-85.4	mV	CAMO-12-1421
R-61 S1	1125	11/15/11	WG	Oxidation-Reduction Potential	-96.5	mV	CAMO-12-1419
R-61 S1	1125	11/15/11	WG	Oxidation-Reduction Potential	-76.1	mV	CAMO-12-1425
R-61 S1	1125	11/15/12	WG	pH	6.53	SU	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	pH	7.07	SU	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	pH	7.04	SU	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	pH	7	SU	CAMO-12-13965
R-61 S1	1125	05/09/12	WG	pH	6.65	SU	CAMO-12-13962
R-61 S1	1125	02/07/12	WG	pH	6.93	SU	CAMO-12-2241

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	02/07/12	WG	pH	7.08	SU	CAMO-12-2248
R-61 S1	1125	02/07/12	WG	pH	7.08	SU	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	pH	7.03	SU	CAMO-12-2245
R-61 S1	1125	02/07/12	WG	pH	7.03	SU	CAMO-12-2236
R-61 S1	1125	02/07/12	WG	pH	7.02	SU	CAMO-12-2243
R-61 S1	1125	02/07/12	WG	pH	6.99	SU	CAMO-12-2238
R-61 S1	1125	02/07/12	WG	pH	6.94	SU	CAMO-12-2239
R-61 S1	1125	11/21/11	WG	pH	7.23	SU	CAMO-12-1511
R-61 S1	1125	11/21/11	WG	pH	7.23	SU	CAMO-12-1433
R-61 S1	1125	11/21/11	WG	pH	7.23	SU	CAMO-12-1429
R-61 S1	1125	11/21/11	WG	pH	7.2	SU	CAMO-12-1431
R-61 S1	1125	11/15/11	WG	pH	7.11	SU	CAMO-12-1425
R-61 S1	1125	11/15/11	WG	pH	7.01	SU	CAMO-12-1423
R-61 S1	1125	11/15/11	WG	pH	6.91	SU	CAMO-12-1421
R-61 S1	1125	11/15/11	WG	pH	6.89	SU	CAMO-12-1419
R-61 S1	1125	11/15/12	WG	Specific Conductance	180	µS/cm	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Specific Conductance	157	µS/cm	CAMO-12-13965
R-61 S1	1125	05/09/12	WG	Specific Conductance	172	µS/cm	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Specific Conductance	157	µS/cm	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Specific Conductance	200	µS/cm	CAMO-12-13962
R-61 S1	1125	02/07/12	WG	Specific Conductance	139	µS/cm	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	Specific Conductance	139	µS/cm	CAMO-12-2248
R-61 S1	1125	02/07/12	WG	Specific Conductance	148	µS/cm	CAMO-12-2236
R-61 S1	1125	02/07/12	WG	Specific Conductance	163	µS/cm	CAMO-12-2238
R-61 S1	1125	02/07/12	WG	Specific Conductance	171	µS/cm	CAMO-12-2243
R-61 S1	1125	02/07/12	WG	Specific Conductance	173	µS/cm	CAMO-12-2239
R-61 S1	1125	02/07/12	WG	Specific Conductance	175	µS/cm	CAMO-12-2241
R-61 S1	1125	02/07/12	WG	Specific Conductance	189	µS/cm	CAMO-12-2245

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	11/21/11	WG	Specific Conductance	143	µS/cm	CAMO-12-1511
R-61 S1	1125	11/21/11	WG	Specific Conductance	172	µS/cm	CAMO-12-1431
R-61 S1	1125	11/21/11	WG	Specific Conductance	177	µS/cm	CAMO-12-1429
R-61 S1	1125	11/21/11	WG	Specific Conductance	143	µS/cm	CAMO-12-1433
R-61 S1	1125	11/15/11	WG	Specific Conductance	194	µS/cm	CAMO-12-1423
R-61 S1	1125	11/15/11	WG	Specific Conductance	186	µS/cm	CAMO-12-1425
R-61 S1	1125	11/15/11	WG	Specific Conductance	203	µS/cm	CAMO-12-1419
R-61 S1	1125	11/15/11	WG	Specific Conductance	199	µS/cm	CAMO-12-1421
R-61 S1	1125	11/15/12	WG	Temperature	19.4	deg C	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Temperature	21.28	deg C	CAMO-12-13965
R-61 S1	1125	05/09/12	WG	Temperature	20.86	deg C	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Temperature	20.38	deg C	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Temperature	20.09	deg C	CAMO-12-13962
R-61 S1	1125	02/07/12	WG	Temperature	18.59	deg C	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	Temperature	18.17	deg C	CAMO-12-2241
R-61 S1	1125	02/07/12	WG	Temperature	16.93	deg C	CAMO-12-2239
R-61 S1	1125	02/07/12	WG	Temperature	16.66	deg C	CAMO-12-2243
R-61 S1	1125	02/07/12	WG	Temperature	13.46	deg C	CAMO-12-2245
R-61 S1	1125	02/07/12	WG	Temperature	19.99	deg C	CAMO-12-2238
R-61 S1	1125	02/07/12	WG	Temperature	18.59	deg C	CAMO-12-2248
R-61 S1	1125	02/07/12	WG	Temperature	19	deg C	CAMO-12-2236
R-61 S1	1125	11/21/11	WG	Temperature	17.83	deg C	CAMO-12-1429
R-61 S1	1125	11/21/11	WG	Temperature	20.08	deg C	CAMO-12-1431
R-61 S1	1125	11/21/11	WG	Temperature	19.9	deg C	CAMO-12-1511
R-61 S1	1125	11/21/11	WG	Temperature	19.9	deg C	CAMO-12-1433
R-61 S1	1125	11/15/11	WG	Temperature	16.94	deg C	CAMO-12-1425
R-61 S1	1125	11/15/11	WG	Temperature	14.98	deg C	CAMO-12-1421
R-61 S1	1125	11/15/11	WG	Temperature	14.4	deg C	CAMO-12-1419

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	11/15/11	WG	Temperature	16.96	deg C	CAMO-12-1423
R-61 S1	1125	11/15/12	WG	Turbidity	4.55	NTU	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Turbidity	1.29	NTU	CAMO-12-13965
R-61 S1	1125	05/09/12	WG	Turbidity	5.86	NTU	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Turbidity	4.49	NTU	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Turbidity	2.86	NTU	CAMO-12-13962
R-61 S1	1125	02/07/12	WG	Turbidity	4.35	NTU	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	Turbidity	4.35	NTU	CAMO-12-2248
R-61 S1	1125	02/07/12	WG	Turbidity	2.71	NTU	CAMO-12-2243
R-61 S1	1125	02/07/12	WG	Turbidity	1.8	NTU	CAMO-12-2241
R-61 S1	1125	02/07/12	WG	Turbidity	1.61	NTU	CAMO-12-2236
R-61 S1	1125	02/07/12	WG	Turbidity	1.43	NTU	CAMO-12-2239
R-61 S1	1125	02/07/12	WG	Turbidity	1.32	NTU	CAMO-12-2245
R-61 S1	1125	02/07/12	WG	Turbidity	1.24	NTU	CAMO-12-2238
R-61 S1	1125	11/21/11	WG	Turbidity	2.75	NTU	CAMO-12-1429
R-61 S1	1125	11/21/11	WG	Turbidity	1.74	NTU	CAMO-12-1511
R-61 S1	1125	11/21/11	WG	Turbidity	1.74	NTU	CAMO-12-1433
R-61 S1	1125	11/21/11	WG	Turbidity	1.67	NTU	CAMO-12-1431
R-61 S1	1125	11/15/11	WG	Turbidity	3.78	NTU	CAMO-12-1421
R-61 S1	1125	11/15/11	WG	Turbidity	3.41	NTU	CAMO-12-1423
R-61 S1	1125	11/15/11	WG	Turbidity	2.3	NTU	CAMO-12-1419
R-61 S1	1125	11/15/11	WG	Turbidity	2.26	NTU	CAMO-12-1425
R-61 S2	1220.4	11/15/12	WG	Dissolved Oxygen	3.34	mg/L	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	0.3	mg/L	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	0.42	mg/L	CAMO-12-13969
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	0.39	mg/L	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	1.18	mg/L	CAMO-12-13966
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	0.23	mg/L	CAMO-12-2258

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	0.27	mg/L	CAMO-12-2256
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	0.39	mg/L	CAMO-12-2253
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	1.11	mg/L	CAMO-12-2251
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	2.11	mg/L	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	7.07	mg/L	CAMO-12-2259
R-61 S2	1220.4	11/18/11	WG	Dissolved Oxygen	1.17	mg/L	CAMO-12-1445
R-61 S2	1220.4	11/18/11	WG	Dissolved Oxygen	1.48	mg/L	CAMO-12-1447
R-61 S2	1220.4	11/18/11	WG	Dissolved Oxygen	1.76	mg/L	CAMO-12-1449
R-61 S2	1220.4	11/18/11	WG	Dissolved Oxygen	1.76	mg/L	CAMO-12-1516
R-61 S2	1220.4	11/18/11	WG	Dissolved Oxygen	0.3	mg/L	CAMO-12-1443
R-61 S2	1220.4	11/14/11	WG	Dissolved Oxygen	0.71	mg/L	CAMO-12-1439
R-61 S2	1220.4	11/14/11	WG	Dissolved Oxygen	0.26	mg/L	CAMO-12-1435
R-61 S2	1220.4	11/14/11	WG	Dissolved Oxygen	1.43	mg/L	CAMO-12-1441
R-61 S2	1220.4	11/14/11	WG	Dissolved Oxygen	0.47	mg/L	CAMO-12-1437
R-61 S2	1220.4	11/15/12	WG	Oxidation-Reduction Potential	48.7	mV	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-59.4	mV	CAMO-12-13969
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-77.3	mV	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-78.1	mV	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-148.9	mV	CAMO-12-13966
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	-100.3	mV	CAMO-12-2253
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	160.8	mV	CAMO-12-2259
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	-61.6	mV	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	-77.9	mV	CAMO-12-2251
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	-102.1	mV	CAMO-12-2256
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	-100.1	mV	CAMO-12-2258
R-61 S2	1220.4	11/18/11	WG	Oxidation-Reduction Potential	-82.3	mV	CAMO-12-1447
R-61 S2	1220.4	11/18/11	WG	Oxidation-Reduction Potential	-83.3	mV	CAMO-12-1445
R-61 S2	1220.4	11/18/11	WG	Oxidation-Reduction Potential	-104.8	mV	CAMO-12-1443

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	11/18/11	WG	Oxidation-Reduction Potential	-80.3	mV	CAMO-12-1449
R-61 S2	1220.4	11/18/11	WG	Oxidation-Reduction Potential	-80.3	mV	CAMO-12-1516
R-61 S2	1220.4	11/14/11	WG	Oxidation-Reduction Potential	-86.7	mV	CAMO-12-1441
R-61 S2	1220.4	11/14/11	WG	Oxidation-Reduction Potential	-97.2	mV	CAMO-12-1439
R-61 S2	1220.4	11/14/11	WG	Oxidation-Reduction Potential	-100.6	mV	CAMO-12-1437
R-61 S2	1220.4	11/14/11	WG	Oxidation-Reduction Potential	-115.6	mV	CAMO-12-1435
R-61 S2	1220.4	11/15/12	WG	pH	6.46	SU	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	pH	6.81	SU	CAMO-12-13969
R-61 S2	1220.4	05/09/12	WG	pH	6.82	SU	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	pH	6.82	SU	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	pH	7.13	SU	CAMO-12-13966
R-61 S2	1220.4	02/08/12	WG	pH	7.14	SU	CAMO-12-2256
R-61 S2	1220.4	02/08/12	WG	pH	7.21	SU	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	pH	7.17	SU	CAMO-12-2253
R-61 S2	1220.4	02/08/12	WG	pH	6.99	SU	CAMO-12-2259
R-61 S2	1220.4	02/08/12	WG	pH	7	SU	CAMO-12-2258
R-61 S2	1220.4	02/08/12	WG	pH	7.12	SU	CAMO-12-2251
R-61 S2	1220.4	11/18/11	WG	pH	6.95	SU	CAMO-12-1443
R-61 S2	1220.4	11/18/11	WG	pH	7.02	SU	CAMO-12-1449
R-61 S2	1220.4	11/18/11	WG	pH	6.96	SU	CAMO-12-1447
R-61 S2	1220.4	11/18/11	WG	pH	6.95	SU	CAMO-12-1445
R-61 S2	1220.4	11/18/11	WG	pH	7.02	SU	CAMO-12-1516
R-61 S2	1220.4	11/14/11	WG	pH	6.84	SU	CAMO-12-1435
R-61 S2	1220.4	11/14/11	WG	pH	6.88	SU	CAMO-12-1441
R-61 S2	1220.4	11/14/11	WG	pH	6.85	SU	CAMO-12-1439
R-61 S2	1220.4	11/14/11	WG	pH	6.84	SU	CAMO-12-1437
R-61 S2	1220.4	11/15/12	WG	Specific Conductance	199	µS/cm	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	220	µS/cm	CAMO-12-13968

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	193	µS/cm	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	175	µS/cm	CAMO-12-13969
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	243	µS/cm	CAMO-12-13967
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	154	µS/cm	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	167	µS/cm	CAMO-12-2259
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	178	µS/cm	CAMO-12-2256
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	180	µS/cm	CAMO-12-2251
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	215	µS/cm	CAMO-12-2253
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	241	µS/cm	CAMO-12-2258
R-61 S2	1220.4	11/18/11	WG	Specific Conductance	141	µS/cm	CAMO-12-1449
R-61 S2	1220.4	11/18/11	WG	Specific Conductance	141	µS/cm	CAMO-12-1516
R-61 S2	1220.4	11/18/11	WG	Specific Conductance	149	µS/cm	CAMO-12-1445
R-61 S2	1220.4	11/18/11	WG	Specific Conductance	170	µS/cm	CAMO-12-1443
R-61 S2	1220.4	11/18/11	WG	Specific Conductance	136	µS/cm	CAMO-12-1447
R-61 S2	1220.4	11/14/11	WG	Specific Conductance	197	µS/cm	CAMO-12-1439
R-61 S2	1220.4	11/14/11	WG	Specific Conductance	156	µS/cm	CAMO-12-1441
R-61 S2	1220.4	11/14/11	WG	Specific Conductance	213	µS/cm	CAMO-12-1437
R-61 S2	1220.4	11/14/11	WG	Specific Conductance	257	µS/cm	CAMO-12-1435
R-61 S2	1220.4	11/15/12	WG	Temperature	19.28	deg C	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Temperature	20.96	deg C	CAMO-12-13969
R-61 S2	1220.4	05/09/12	WG	Temperature	19.64	deg C	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Temperature	19.07	deg C	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Temperature	16.14	deg C	CAMO-12-13966
R-61 S2	1220.4	02/08/12	WG	Temperature	19.74	deg C	CAMO-12-2251
R-61 S2	1220.4	02/08/12	WG	Temperature	20.8	deg C	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	Temperature	20.06	deg C	CAMO-12-2258
R-61 S2	1220.4	02/08/12	WG	Temperature	19.89	deg C	CAMO-12-2256
R-61 S2	1220.4	02/08/12	WG	Temperature	15.85	deg C	CAMO-12-2259

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	02/08/12	WG	Temperature	17.91	deg C	CAMO-12-2253
R-61 S2	1220.4	11/18/11	WG	Temperature	19.5	deg C	CAMO-12-1445
R-61 S2	1220.4	11/18/11	WG	Temperature	20.33	deg C	CAMO-12-1447
R-61 S2	1220.4	11/18/11	WG	Temperature	20.26	deg C	CAMO-12-1516
R-61 S2	1220.4	11/18/11	WG	Temperature	20.26	deg C	CAMO-12-1449
R-61 S2	1220.4	11/18/11	WG	Temperature	19.53	deg C	CAMO-12-1443
R-61 S2	1220.4	11/14/11	WG	Temperature	18.67	deg C	CAMO-12-1441
R-61 S2	1220.4	11/14/11	WG	Temperature	18.59	deg C	CAMO-12-1439
R-61 S2	1220.4	11/14/11	WG	Temperature	18.57	deg C	CAMO-12-1435
R-61 S2	1220.4	11/14/11	WG	Temperature	18.68	deg C	CAMO-12-1437
R-61 S2	1220.4	11/15/12	WG	Turbidity	6.19	NTU	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Turbidity	0.91	NTU	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Turbidity	0.84	NTU	CAMO-12-13969
R-61 S2	1220.4	05/09/12	WG	Turbidity	0.96	NTU	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Turbidity	3.03	NTU	CAMO-12-13966
R-61 S2	1220.4	02/08/12	WG	Turbidity	1.12	NTU	CAMO-12-2258
R-61 S2	1220.4	02/08/12	WG	Turbidity	9.86	NTU	CAMO-12-2259
R-61 S2	1220.4	02/08/12	WG	Turbidity	0.94	NTU	CAMO-12-2256
R-61 S2	1220.4	02/08/12	WG	Turbidity	0.85	NTU	CAMO-12-2253
R-61 S2	1220.4	02/08/12	WG	Turbidity	0.79	NTU	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	Turbidity	0.77	NTU	CAMO-12-2251
R-61 S2	1220.4	11/18/11	WG	Turbidity	2.43	NTU	CAMO-12-1443
R-61 S2	1220.4	11/18/11	WG	Turbidity	1.45	NTU	CAMO-12-1445
R-61 S2	1220.4	11/18/11	WG	Turbidity	1.27	NTU	CAMO-12-1447
R-61 S2	1220.4	11/18/11	WG	Turbidity	0.89	NTU	CAMO-12-1516
R-61 S2	1220.4	11/18/11	WG	Turbidity	0.89	NTU	CAMO-12-1449
R-61 S2	1220.4	11/14/11	WG	Turbidity	2	NTU	CAMO-12-1437
R-61 S2	1220.4	11/14/11	WG	Turbidity	1.43	NTU	CAMO-12-1439

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	11/14/11	WG	Turbidity	1.11	NTU	CAMO-12-1441
R-61 S2	1220.4	11/14/11	WG	Turbidity	2.51	NTU	CAMO-12-1435
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	6.34	mg/L	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	6.78	mg/L	CAMO-13-24537
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	6.56	mg/L	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	5.41	mg/L	CAMO-13-24253
R-62	1158.4	08/08/12	WG	Dissolved Oxygen	6.01	mg/L	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Dissolved Oxygen	5.34	mg/L	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Dissolved Oxygen	6.22	mg/L	CAMO-12-12025
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	57.9	mV	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	60.9	mV	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	67.1	mV	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	68.1	mV	CAMO-13-24537
R-62	1158.4	08/08/12	WG	Oxidation-Reduction Potential	72.7	mV	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Oxidation-Reduction Potential	208	mV	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Oxidation-Reduction Potential	120.2	mV	CAMO-12-12025
R-62	1158.4	11/08/12	WG	pH	8.44	SU	CAMO-13-24534
R-62	1158.4	11/08/12	WG	pH	8.54	SU	CAMO-13-24533
R-62	1158.4	11/08/12	WG	pH	8.77	SU	CAMO-13-24253
R-62	1158.4	11/08/12	WG	pH	8.37	SU	CAMO-13-24537
R-62	1158.4	08/08/12	WG	pH	8.31	SU	CAMO-12-21741
R-62	1158.4	06/06/12	WG	pH	8.72	SU	CAMO-12-14018
R-62	1158.4	03/26/12	WG	pH	8.62	SU	CAMO-12-12025
R-62	1158.4	11/08/12	WG	Specific Conductance	188	µS/cm	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Specific Conductance	188	µS/cm	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Specific Conductance	190	µS/cm	CAMO-13-24537
R-62	1158.4	11/08/12	WG	Specific Conductance	190	µS/cm	CAMO-13-24534
R-62	1158.4	08/08/12	WG	Specific Conductance	165	µS/cm	CAMO-12-21741

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-62	1158.4	06/06/12	WG	Specific Conductance	172	µS/cm	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Specific Conductance	188	µS/cm	CAMO-12-12025
R-62	1158.4	11/08/12	WG	Temperature	19.84	deg C	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Temperature	20	deg C	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Temperature	19.92	deg C	CAMO-13-24537
R-62	1158.4	11/08/12	WG	Temperature	19.22	deg C	CAMO-13-24253
R-62	1158.4	08/08/12	WG	Temperature	21.83	deg C	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Temperature	22.32	deg C	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Temperature	19.6	deg C	CAMO-12-12025
R-62	1158.4	11/08/12	WG	Turbidity	1.02	NTU	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Turbidity	1.64	NTU	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Turbidity	2.95	NTU	CAMO-13-24537
R-62	1158.4	11/08/12	WG	Turbidity	0.55	NTU	CAMO-13-24253
R-62	1158.4	08/08/12	WG	Turbidity	0.65	NTU	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Turbidity	2.51	NTU	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Turbidity	6.15	NTU	CAMO-12-12025
SCI-1	358.4	11/02/12	WG	Dissolved Oxygen	8.96	mg/L	CASA-13-24215
SCI-1	358.4	05/21/12	WG	Dissolved Oxygen	8.84	mg/L	CASA-12-14060
SCI-1	358.4	05/21/12	WG	Dissolved Oxygen	8.84	mg/L	CASA-12-14065
SCI-1	358.4	11/16/11	WG	Dissolved Oxygen	8.96	mg/L	CASA-12-1373
SCI-1	358.4	08/16/11	WG	Dissolved Oxygen	8.89	mg/L	CASA-11-24841
SCI-1	358.4	08/16/11	WG	Dissolved Oxygen	8.78	mg/L	CASA-11-24834
SCI-1	358.4	08/16/11	WG	Dissolved Oxygen	8.78	mg/L	CASA-11-24764
SCI-1	358.4	08/16/11	WG	Dissolved Oxygen	8.94	mg/L	CASA-11-24843
SCI-1	358.4	05/24/11	WG	Dissolved Oxygen	8.93	mg/L	CASA-11-11651
SCI-1	358.4	05/24/11	WG	Dissolved Oxygen	8.78	mg/L	CASA-11-10805
SCI-1	358.4	11/02/12	WG	Oxidation-Reduction Potential	165.3	mV	CASA-13-24215
SCI-1	358.4	05/21/12	WG	Oxidation-Reduction Potential	216.4	mV	CASA-12-14060

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-1	358.4	05/21/12	WG	Oxidation-Reduction Potential	216.4	mV	CASA-12-14065
SCI-1	358.4	11/16/11	WG	Oxidation-Reduction Potential	229.8	mV	CASA-12-1373
SCI-1	358.4	08/16/11	WG	Oxidation-Reduction Potential	113.1	mV	CASA-11-24841
SCI-1	358.4	08/16/11	WG	Oxidation-Reduction Potential	102.6	mV	CASA-11-24843
SCI-1	358.4	08/16/11	WG	Oxidation-Reduction Potential	149.3	mV	CASA-11-24834
SCI-1	358.4	08/16/11	WG	Oxidation-Reduction Potential	149.3	mV	CASA-11-24764
SCI-1	358.4	05/24/11	WG	Oxidation-Reduction Potential	227.5	mV	CASA-11-11651
SCI-1	358.4	05/24/11	WG	Oxidation-Reduction Potential	225	mV	CASA-11-10805
SCI-1	358.4	11/02/12	WG	pH	7.09	SU	CASA-13-24215
SCI-1	358.4	05/21/12	WG	pH	6.95	SU	CASA-12-14065
SCI-1	358.4	05/21/12	WG	pH	6.95	SU	CASA-12-14060
SCI-1	358.4	11/16/11	WG	pH	7.13	SU	CASA-12-1373
SCI-1	358.4	08/16/11	WG	pH	7.11	SU	CASA-11-24834
SCI-1	358.4	08/16/11	WG	pH	7.18	SU	CASA-11-24843
SCI-1	358.4	08/16/11	WG	pH	7.11	SU	CASA-11-24764
SCI-1	358.4	08/16/11	WG	pH	7.19	SU	CASA-11-24841
SCI-1	358.4	05/24/11	WG	pH	7.14	SU	CASA-11-11651
SCI-1	358.4	05/24/11	WG	pH	7.1	SU	CASA-11-10805
SCI-1	358.4	11/02/12	WG	Specific Conductance	695	µS/cm	CASA-13-24215
SCI-1	358.4	05/21/12	WG	Specific Conductance	713	µS/cm	CASA-12-14065
SCI-1	358.4	05/21/12	WG	Specific Conductance	713	µS/cm	CASA-12-14060
SCI-1	358.4	11/16/11	WG	Specific Conductance	712	µS/cm	CASA-12-1373
SCI-1	358.4	08/16/11	WG	Specific Conductance	750	µS/cm	CASA-11-24834
SCI-1	358.4	08/16/11	WG	Specific Conductance	752	µS/cm	CASA-11-24843
SCI-1	358.4	08/16/11	WG	Specific Conductance	750	µS/cm	CASA-11-24764
SCI-1	358.4	08/16/11	WG	Specific Conductance	754	µS/cm	CASA-11-24841
SCI-1	358.4	05/24/11	WG	Specific Conductance	705	µS/cm	CASA-11-10805
SCI-1	358.4	05/24/11	WG	Specific Conductance	716	µS/cm	CASA-11-11651

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-1	358.4	11/02/12	WG	Temperature	10.28	deg C	CASA-13-24215
SCI-1	358.4	05/21/12	WG	Temperature	10.95	deg C	CASA-12-14065
SCI-1	358.4	05/21/12	WG	Temperature	10.95	deg C	CASA-12-14060
SCI-1	358.4	11/16/11	WG	Temperature	9.71	deg C	CASA-12-1373
SCI-1	358.4	08/16/11	WG	Temperature	11.1	deg C	CASA-11-24843
SCI-1	358.4	08/16/11	WG	Temperature	10.95	deg C	CASA-11-24764
SCI-1	358.4	08/16/11	WG	Temperature	10.85	deg C	CASA-11-24834
SCI-1	358.4	08/16/11	WG	Temperature	11.43	deg C	CASA-11-24841
SCI-1	358.4	05/24/11	WG	Temperature	10.23	deg C	CASA-11-10805
SCI-1	358.4	05/24/11	WG	Temperature	10.18	deg C	CASA-11-11651
SCI-1	358.4	11/02/12	WG	Turbidity	3.47	NTU	CASA-13-24215
SCI-1	358.4	05/21/12	WG	Turbidity	4.15	NTU	CASA-12-14065
SCI-1	358.4	05/21/12	WG	Turbidity	4.15	NTU	CASA-12-14060
SCI-1	358.4	11/16/11	WG	Turbidity	9.88	NTU	CASA-12-1373
SCI-1	358.4	08/16/11	WG	Turbidity	5.83	NTU	CASA-11-24764
SCI-1	358.4	08/16/11	WG	Turbidity	7.39	NTU	CASA-11-24841
SCI-1	358.4	08/16/11	WG	Turbidity	5.83	NTU	CASA-11-24834
SCI-1	358.4	08/16/11	WG	Turbidity	10.2	NTU	CASA-11-24843
SCI-1	358.4	05/24/11	WG	Turbidity	18.1	NTU	CASA-11-10805
SCI-1	358.4	05/24/11	WG	Turbidity	18.9	NTU	CASA-11-11651
SCI-2	548	11/05/12	WG	Dissolved Oxygen	9.77	mg/L	CASA-13-24216
SCI-2	548	08/13/12	WG	Dissolved Oxygen	8.23	mg/L	CASA-12-21646
SCI-2	548	05/23/12	WG	Dissolved Oxygen	8.62	mg/L	CASA-12-14061
SCI-2	548	03/05/12	WG	Dissolved Oxygen	9.43	mg/L	CASA-12-11712
SCI-2	548	08/11/11	WG	Dissolved Oxygen	9.79	mg/L	CASA-11-24765
SCI-2	548	11/05/12	WG	Oxidation-Reduction Potential	149.1	mV	CASA-13-24216
SCI-2	548	08/13/12	WG	Oxidation-Reduction Potential	170.4	mV	CASA-12-21646
SCI-2	548	05/23/12	WG	Oxidation-Reduction Potential	229	mV	CASA-12-14061

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	548	03/05/12	WG	Oxidation-Reduction Potential	21.5	mV	CASA-12-11712
SCI-2	548	08/11/11	WG	Oxidation-Reduction Potential	90.4	mV	CASA-11-24765
SCI-2	548	11/05/12	WG	pH	7.46	SU	CASA-13-24216
SCI-2	548	08/13/12	WG	pH	8.15	SU	CASA-12-21646
SCI-2	548	05/23/12	WG	pH	7.45	SU	CASA-12-14061
SCI-2	548	03/05/12	WG	pH	7.5	SU	CASA-12-11712
SCI-2	548	08/11/11	WG	pH	7.49	SU	CASA-11-24765
SCI-2	548	11/05/12	WG	Specific Conductance	590	µS/cm	CASA-13-24216
SCI-2	548	08/13/12	WG	Specific Conductance	592	µS/cm	CASA-12-21646
SCI-2	548	05/23/12	WG	Specific Conductance	564	µS/cm	CASA-12-14061
SCI-2	548	03/05/12	WG	Specific Conductance	609	µS/cm	CASA-12-11712
SCI-2	548	08/11/11	WG	Specific Conductance	590	µS/cm	CASA-11-24765
SCI-2	548	11/05/12	WG	Temperature	14.35	deg C	CASA-13-24216
SCI-2	548	08/13/12	WG	Temperature	16.08	deg C	CASA-12-21646
SCI-2	548	05/23/12	WG	Temperature	17.02	deg C	CASA-12-14061
SCI-2	548	03/05/12	WG	Temperature	14.1	deg C	CASA-12-11712
SCI-2	548	08/11/11	WG	Temperature	14.52	deg C	CASA-11-24765
SCI-2	548	11/05/12	WG	Turbidity	3.15	NTU	CASA-13-24216
SCI-2	548	08/13/12	WG	Turbidity	4.22	NTU	CASA-12-21646
SCI-2	548	05/23/12	WG	Turbidity	3.51	NTU	CASA-12-14061
SCI-2	548	03/05/12	WG	Turbidity	0.73	NTU	CASA-12-11712
SCI-2	548	08/11/11	WG	Turbidity	1.29	NTU	CASA-11-24765

[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 terms in the lists.

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
%D	percent difference
%R	percent recovery
%RSD	percent relative standard deviation
<	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	chlorinated biphenyl
CCB	continuing calibration blank
CCV	continuing calibration verification
CLP	Control Laboratory Program
CRDL	contract-required detection limit
CRI	CDRL check standard
DCG	Derived Concentration Guide (DOE)
DDE	dichlorodiphenyldichloroethylene
DNX	dinitroso-RDX (or hexahydro-1,3-dinitroso-5-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
DQO	data quality objective
EPA	Environmental Protection Agency (U.S.)
GC	gas chromatography
GC/MS	gas chromatography/mass spectrometry
GFAA	graphite furnace atomic absorption
GFPC	gas-flow proportional counter
GW	groundwater
HH OO	Human Health—Organism Only (NMWQCC standard)
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HPLC	high-pressure liquid chromatography
ICAL	initial calibration
ICPAES	inductively coupled plasma atomic (optical) emission spectroscopy
ICV	initial calibration verification
IDL	instrument detection limit

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
IS	internal standard
LAL	lower acceptance limit
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
LLEE	low-level electrolytic extraction
LOC	level of chlorination
LSC	liquid scintillation counting
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
NM	NMWQCC
NMED	New Mexico Environmental Department
NMWQCC	New Mexico Water Quality Control Commission
OPR	ongoing precision recovery
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzo-p-dioxin
PCDF	polychlorinated dibenzofuran
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
RRT	relative retention time
RT	retention time
Scr	screening
SDG	sample delivery group
SMO	Sample Management Office
SSC	suspended sediment concentration
SU	standard unit
TCDD	tetrachlorodibenzo-p-dioxin

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
TCDF	tetrachlorodibenzofuran
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	
W	water
WG	groundwater
WM	snowmelt
WP	persistent flow
WS	base flow
WT	storm runoff
Field Prep Codes	
F	filtered
UF	unfiltered
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
INIT	initial
RE	reanalysis
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate
Field QC Type Codes	
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
FR	field rinsate
FS	field split
FTB	field trip blank
FTR	field triplicate
INB	equipment blank taken during installation and not associated with a sampling event
ITB	trip blank taken during installation and not associated with a sampling event
NA	not applicable
PEB	performance evaluation blank

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Field QC Type Codes (continued)	
PEK	performance evaluation known
REG	regular
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	
DIOX/FUR, Diox/Fur	dioxins and furans
DRO	diesel range organics
Geninorg, GENINORG, General Chemistry	general inorganics
GRO	gasoline range organics
HERB	herbicides
HEXP	high explosives
INORGANIC	inorganics
ISOTOPE, Isotope	isotope ratios
LCMS/MS	liquid chromatography mass spectrometry/mass spectrometry
METALS, Metals	metals
PEST/PCB, PESTPCB	pesticides and PCBs
RAD, Rad	radiochemistry
SVOC, SVOA	semivolatile organic compounds
VOC, VOA	volatile organic compounds
Detect Flag and Best Value Flag Codes	
N	no
Y	yes
Lab Codes	
ALTC	Alta Analytical Laboratory, Inc., San Diego, CA
ARSL	American Radiation Services, Inc.
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.

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Lab Codes (continued)	
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 [RPD]) 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 (MS) 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 MS sample was outside acceptance criteria. * (Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
H	(Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded.

Analytical Laboratory Qualifier Codes (continued)

Code	Description
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)

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.

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.97	—	—	—	%	Y	—	NQ	12-1565	CASA-12-14081	UIL
R-43 S1	903.9	11/16/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.02	—	—	—	%	Y	—	NQ	11-746	CASA-11-1378	UIL
R-43 S1	903.9	02/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.11	—	—	—	%	Y	—	NQ	10-3592	CASA-10-9842	UIL
R-43 S1	903.9	11/19/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.36	—	—	—	%	Y	—	NQ	10-1027	CASA-10-4776	UIL
R-43 S1	903.9	08/18/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.22	—	—	—	%	Y	—	NQ	09-3059	CASA-09-10396	UIL
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.64	—	—	—	%	Y	—	NQ	12-1565	CASA-12-14082	UIL
R-43 S2	969.1	11/16/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	2.01	—	—	—	%	Y	—	NQ	11-746	CASA-11-1381	UIL
R-43 S2	969.1	02/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	2.12	—	—	—	%	Y	—	NQ	10-3592	CASA-10-9845	UIL
R-43 S2	969.1	08/18/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.58	—	—	—	%	Y	—	NQ	09-3059	CASA-09-10401	UIL
R-43 S2	969.1	06/18/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.41	—	—	—	%	Y	—	NQ	09-2847	CAMO-09-10509	UIL
R-43 S2	969.1	06/18/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.43	—	—	—	%	Y	—	NQ	09-2847	CAMO-09-10512	UIL
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.05	—	—	—	%	Y	—	NQ	12-1564	CAMO-12-14078	UIL

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.44	—	—	0.01	SU	Y	H	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.46	—	—	0.01	SU	Y	H	NQ	12-1338	CAMO-12-17129	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	J-	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	0.01	SU	Y	H	J-	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.79	—	—	0.01	SU	Y	H	J-	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.1	—	—	0.725	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.3	—	—	0.725	mg/L	Y	—	NQ	12-1338	CAMO-12-17129	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.4	—	—	0.73	mg/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50.6	—	—	0.73	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	48.1	—	—	0.73	mg/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00631	0.00773	0.0359	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00507	0.0051	0.039	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000402	0.0038	0.035	—	pCi/L	Y	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0024	0.0026	0.045	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00151	0.0044	0.028	—	pCi/L	Y	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.1	—	—	1	ug/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.5	—	—	1	ug/L	Y	—	NQ	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.6	—	—	1	ug/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.8	—	—	1	ug/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14	—	—	1	ug/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	ug/L	Y	J	J	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	24.5	—	—	15	ug/L	Y	J	J	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.2	—	—	15	ug/L	Y	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.5	—	—	15	ug/L	Y	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.2	—	—	15	ug/L	Y	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.143	—	—	0.067	mg/L	Y	J	J	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.09	—	—	0.067	mg/L	Y	J	J	12-1338	CAMO-12-17129	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.14	—	—	0.066	mg/L	Y	J	J-	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.142	—	—	0.066	mg/L	Y	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.132	—	—	0.066	mg/L	Y	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.8	—	—	0.05	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.5	—	—	0.05	mg/L	Y	—	NQ	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19	—	—	0.05	mg/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.7	—	—	0.05	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.3	—	—	0.05	mg/L	Y	N	J-	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.494	1.64	5.91	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.776	1.4	4.8	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.21	1.6	5.9	—	pCi/L	Y	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3	1.4	3.9	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.082	1.3	4.2	—	pCi/L	Y	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.86	—	—	0.067	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.57	—	—	0.067	mg/L	Y	—	NQ	12-1338	CAMO-12-17129	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.73	—	—	0.066	mg/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.69	—	—	0.066	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.79	—	—	0.066	mg/L	Y	—	J+	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.32	—	—	2	ug/L	Y	J	J	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.79	—	—	2	ug/L	Y	J	J	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.4	—	—	2	ug/L	Y	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.59	—	—	2	ug/L	Y	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.03	—	—	2	ug/L	Y	J	J	11-2561	CAMO-11-10698	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.889	1.56	6.39	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.403	1	4	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.355	1.9	6.3	—	pCi/L	Y	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.265	1.3	4.1	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.843	1.5	4.4	—	pCi/L	Y	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	5.28	—	—	3	ug/L	Y	J	J	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	06/04/12	WG	UF	RE	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	4.45	—	—	3.13	ug/L	Y	J	J	12-1337	CAMO-12-14070	GELC
MCOI-5	689.04	06/04/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	4.41	—	—	3	ug/L	N	J	J	12-1337	CAMO-12-14070	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	5.19	—	—	3.3	ug/L	Y	J	J	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	05/26/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	4.76	—	—	2	ug/L	Y	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	689.04	11/15/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	9.09	—	—	2	ug/L	Y	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.224	—	—	0.033	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.23	—	—	0.033	mg/L	Y	—	NQ	12-1338	CAMO-12-17129	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.207	—	—	0.033	mg/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.243	—	—	0.033	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.224	—	—	0.033	mg/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.346	0.598	2.46	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.587	0.54	1.9	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.172	0.54	2.6	—	pCi/L	Y	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.82	0.4	1.2	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/23/07	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.17	0.716	2.29	—	pCi/L	Y	U	U	192433	GU070800GMC520	GELC
MCOI-5	689.04	08/23/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.194	0.63	2.44	—	pCi/L	Y	U	U	192433	GU070800GMC501	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.638	0.648	2.63	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.338	0.67	2.4	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.11	1.1	3	—	pCi/L	Y	—	NQ	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.98	0.76	2.2	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/23/07	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	4.79	0.994	2.55	—	pCi/L	Y	—	J	192433	GU070800GMC520	GELC
MCOI-5	689.04	08/23/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.09	0.93	2.95	—	pCi/L	Y	U	U	192433	GU070800GMC501	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68.1	—	—	0.453	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.2	—	—	0.453	mg/L	Y	—	NQ	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.3	—	—	0.45	mg/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.8	—	—	0.45	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.3	—	—	0.45	mg/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.96	—	—	0.11	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.77	—	—	0.11	mg/L	Y	—	NQ	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.62	—	—	0.11	mg/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.43	—	—	0.11	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.54	—	—	0.11	mg/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.79	—	—	0.165	ug/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.74	—	—	0.165	ug/L	Y	—	NQ	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.6	—	—	0.17	ug/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.54	—	—	0.17	ug/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.17	ug/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.21	3.27	11.8	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.12	3.1	11	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.15	3.3	11	—	pCi/L	Y	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	29.6	14	35	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.27	10	34	—	pCi/L	Y	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.78	—	—	0.5	ug/L	Y	J	J	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.18	—	—	0.5	ug/L	Y	J	J	12-1337	CAMO-12-14075	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.776	—	—	0.5	ug/L	Y	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.775	—	—	0.5	ug/L	Y	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.701	—	—	0.5	ug/L	Y	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.89	—	—	0.17	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.75	—	—	0.17	mg/L	Y	—	NQ	12-1338	CAMO-12-17129	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.88	—	—	0.05	mg/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.04	—	—	0.05	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4	—	—	0.1	mg/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	75	—	—	5	ug/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	68.7	—	—	5	ug/L	Y	—	NQ	12-1338	CAMO-12-17129	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	75.1	—	—	5	ug/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	82.8	—	—	5	ug/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	87.9	—	—	5	ug/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00249	0.00557	0.0239	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0033	0.026	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00159	0.0022	0.021	—	pCi/L	Y	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0019	0.028	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0242	0.008	0.031	—	pCi/L	Y	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0125	0.00659	0.0398	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0023	0.036	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00159	0.0036	0.022	—	pCi/L	Y	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0018	0.034	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0022	0.0058	0.037	—	pCi/L	Y	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.984	—	—	0.05	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.52	—	—	0.05	mg/L	Y	—	NQ	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.46	—	—	0.05	mg/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.438	—	—	0.05	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	N	0.365	—	—	0.05	mg/L	Y	—	U	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.8	22.1	89.8	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.9	18	72	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13.9	20	70	—	pCi/L	Y	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	50.4	14	55	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.82	17	58	—	pCi/L	Y	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.6	—	—	0.053	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.1	—	—	0.053	mg/L	Y	—	NQ	12-1338	CAMO-12-17129	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70	—	—	0.053	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.7	—	—	0.053	mg/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.9	—	—	0.1	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.2	—	—	0.1	mg/L	Y	—	NQ	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	J-	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13	—	—	0.1	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.07	1.89	6.1	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.725	1.3	5	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.16	1.8	5.3	—	pCi/L	Y	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.71	1.1	3.1	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.82	1.2	3.4	—	pCi/L	Y	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	195	—	—	1	uS/cm	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	—	1	uS/cm	Y	—	NQ	12-1338	CAMO-12-17129	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	182	—	—	1	uS/cm	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	182	—	—	1	uS/cm	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	186	—	—	1	uS/cm	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	93.8	—	—	1	ug/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	89.6	—	—	1	ug/L	Y	—	NQ	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	86.4	—	—	1	ug/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	82.4	—	—	1	ug/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	80.5	—	—	1	ug/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.295	0.126	0.487	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.33	0.15	0.47	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.368	0.15	0.47	—	pCi/L	Y	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.11	0.15	0.49	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0919	0.11	0.39	—	pCi/L	Y	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.3	—	—	0.133	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.8	—	—	0.133	mg/L	Y	—	NQ	12-1338	CAMO-12-17129	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.1	—	—	0.1	mg/L	Y	—	J+	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13	—	—	0.1	mg/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	169	—	—	3.4	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	3.4	mg/L	Y	—	NQ	12-1338	CAMO-12-17129	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	NQ	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	157	—	—	3.4	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	2.4	mg/L	Y	—	NQ	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.879	—	—	0.33	mg/L	Y	J	J	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	06/04/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.947	—	—	0.33	mg/L	Y	J	J	12-1338	CAMO-12-17124	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.333	—	—	0.33	mg/L	Y	J	J	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	08/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3146	CAMO-11-24627	GELC
MCOI-5	689.04	05/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.858	—	—	0.33	mg/L	Y	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.327	—	—	0.017	mg/L	Y	—	NQ	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.031	—	—	0.017	mg/L	Y	J	J	12-1338	CAMO-12-17129	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0428	—	—	0.015	mg/L	Y	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.136	—	—	0.015	mg/L	Y	—	NQ	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0959	—	—	0.015	mg/L	Y	—	U	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2410	79.2	154	—	pCi/L	Y	—	NQ	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2320	260	180	—	pCi/L	Y	—	NQ	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	05/26/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2370	250	170	—	pCi/L	Y	—	NQ	11-2561	CAMO-11-10699	GELC
MCOI-5	689.04	11/15/10	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	3290	340	150	—	pCi/L	Y	—	NQ	11-531	CAMO-11-1253	GELC
MCOI-5	689.04	05/03/10	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	3920	410	160	—	pCi/L	Y	—	NQ	10-3007	CAMO-10-16735	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.13	—	—	0.067	ug/L	Y	J	J	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.165	—	—	0.067	ug/L	Y	J	J	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.106	—	—	0.067	ug/L	Y	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.2	—	—	0.067	ug/L	Y	U	U	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.092	—	—	0.067	ug/L	Y	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0758	0.0155	0.0592	—	pCi/L	Y	—	NQ	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0809	0.019	0.071	—	pCi/L	Y	—	NQ	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.126	0.021	0.068	—	pCi/L	Y	—	NQ	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0873	0.017	0.082	—	pCi/L	Y	—	NQ	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.121	0.015	0.051	—	pCi/L	Y	—	NQ	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00631	0.037	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0104	0.0092	0.037	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0163	0.0074	0.041	—	pCi/L	Y	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00264	0.0059	0.04	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0166	0.0062	0.027	—	pCi/L	Y	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0485	0.0117	0.0402	—	pCi/L	Y	—	NQ	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.028	0.0091	0.031	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0976	0.018	0.047	—	pCi/L	Y	—	NQ	10-3605	CAMO-10-22836	GELC
MCOI-5	689.04	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0214	0.014	0.04	—	pCi/L	Y	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689.04	08/18/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0492	0.0092	0.027	—	pCi/L	Y	—	NQ	08-1709	CAMO-08-14497	GELC
MCOI-5	689.04	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.27	—	—	1	ug/L	Y	J	J	2013-246	CAMO-13-24255	GELC
MCOI-5	689.04	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.13	—	—	1	ug/L	Y	J	J	12-1337	CAMO-12-14075	GELC
MCOI-5	689.04	11/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.41	—	—	1	ug/L	Y	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689.04	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.34	—	—	1	ug/L	Y	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	689.04	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.18	—	—	1	ug/L	Y	J	J	11-2561	CAMO-11-10698	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.38	—	—	0.01	SU	Y	H	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.33	—	—	0.01	SU	Y	H	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.26	—	—	0.01	SU	Y	H	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.35	—	—	0.01	SU	Y	H	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.27	—	—	0.01	SU	Y	H	J-	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.37	—	—	0.01	SU	Y	H	J-	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96	—	—	0.725	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97	—	—	0.725	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	98.4	—	—	0.725	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	100	—	—	0.725	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	101	—	—	0.73	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	101	—	—	0.73	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00338	0.00756	0.0385	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00202	0.0045	0.031	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00226	0.006	0.035	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00106	0.0063	0.041	—	pCi/L	Y	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000582	0.0017	0.032	—	pCi/L	Y	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00286	0.0031	0.034	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00668	0.0038	0.031	—	pCi/L	Y	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0587	—	—	0.017	mg/L	Y	—	J+	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0265	—	—	0.017	mg/L	Y	J	U	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0193	—	—	0.017	mg/L	Y	J	J	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0234	—	—	0.016	mg/L	Y	J	U	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46.9	—	—	1	ug/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.8	—	—	1	ug/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.9	—	—	1	ug/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.4	—	—	1	ug/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	48.2	—	—	1	ug/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46	—	—	1	ug/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50.4	—	—	15	ug/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50.8	—	—	15	ug/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	49.9	—	—	15	ug/L	Y	J	J	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	48.6	—	—	15	ug/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	49.6	—	—	15	ug/L	Y	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	51.3	—	—	15	ug/L	Y	—	NQ	12-312	CAMO-12-1472	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.702	—	—	0.067	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.633	—	—	0.067	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.646	—	—	0.067	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.692	—	—	0.067	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.669	—	—	0.066	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.658	—	—	0.066	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	71.6	—	—	0.05	mg/L	Y	—	J-	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67	—	—	0.05	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67.8	—	—	0.05	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	69.8	—	—	0.05	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.6	—	—	0.05	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	74.7	—	—	0.05	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.31	1.62	5.73	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.68	0.78	2.8	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.46	1.5	4.4	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.84	1.7	5.1	—	pCi/L	Y	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.362	1.3	4.2	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.39	1.4	4.6	—	pCi/L	Y	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0224	1.4	4.5	—	pCi/L	Y	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	58.6	—	—	0.67	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	54.8	—	—	0.67	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.3	—	—	0.67	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	62.3	—	—	0.335	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	64.6	—	—	0.33	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	64.8	—	—	0.33	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.32	—	—	0.3	ug/L	Y	J	J	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.34	—	—	0.25	ug/L	Y	J	J	12-313	CAMO-12-1468	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.35	—	—	0.25	ug/L	Y	J	J	12-313	CAMO-12-1471	GELC
MCOI-6	686	08/10/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.32	—	—	0.25	ug/L	Y	J	J	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.3	—	—	0.25	ug/L	Y	J	J	11-2587	CAMO-11-10700	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.27	—	—	0.25	ug/L	Y	J	J	10-3589	CAMO-10-22837	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	61.6	—	—	2	ug/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	64.6	—	—	2	ug/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	58.4	—	—	2	ug/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	59.6	—	—	2	ug/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	61.8	—	—	2	ug/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	60.9	—	—	2	ug/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.53	1.31	4.46	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0279	0.86	3	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.05	0.98	3.1	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.33	1.7	4.6	—	pCi/L	Y	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.19	1.5	4.1	—	pCi/L	Y	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.42	1.3	4.9	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.8	1.6	4.5	—	pCi/L	Y	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	13.1	—	—	3	ug/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	5.52	—	—	3	ug/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	12.1	—	—	3	ug/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	9.42	—	—	3	ug/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	13.2	—	—	3	ug/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Copper	Cu	Y	13	—	—	3	ug/L	Y	—	NQ	12-312	CAMO-12-1472	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	11/02/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	9.69	—	—	3.06	ug/L	Y	J	J	2013-267	CAMO-13-24239	GELC
MCOI-6	686	06/04/12	WG	UF	RE	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	11.2	—	—	3.13	ug/L	Y	—	NQ	12-1340	CAMO-12-14071	GELC
MCOI-6	686	06/04/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	9.26	—	—	3.13	ug/L	N	J	J	12-1340	CAMO-12-14071	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	12.1	—	—	3.1	ug/L	Y	—	NQ	12-313	CAMO-12-1468	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	12.1	—	—	3.2	ug/L	Y	—	NQ	12-313	CAMO-12-1471	GELC
MCOI-6	686	05/31/11	WG	UF	RE	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	10.8	—	—	2.2	ug/L	Y	J	J	11-2587	CAMO-11-10700	GELC
MCOI-6	686	05/31/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	9.83	—	—	2	ug/L	N	J	J-	11-2587	CAMO-11-10700	GELC
MCOI-6	686	11/10/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	11.5	—	—	2.2	ug/L	Y	—	NQ	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/10/10	WG	UF	INIT	FD	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	13.6	—	—	2	ug/L	Y	—	NQ	11-471	CAMO-11-1258	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.563	—	—	0.033	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.503	—	—	0.033	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.558	—	—	0.033	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.548	—	—	0.033	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.539	—	—	0.033	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.547	—	—	0.033	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.198	0.645	2.74	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.121	0.57	2.5	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.11	1	2.6	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	3.55	1.2	2.9	—	pCi/L	Y	—	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.139	0.46	2	—	pCi/L	Y	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.103	0.49	2.1	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/13/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.402	0.79	2.97	—	pCi/L	Y	U	U	191539	GU070800GMC601	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.92	0.954	3.08	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.32	0.81	2.6	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.2	0.8	2.3	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.14	1	2.9	—	pCi/L	Y	—	NQ	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.64	0.86	1.9	—	pCi/L	Y	—	NQ	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.91	0.93	2.9	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/13/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.37	0.96	2.53	—	pCi/L	Y	—	J	191539	GU070800GMC601	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	240	—	—	0.453	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	223	—	—	0.453	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	228	—	—	0.453	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	233	—	—	0.453	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	235	—	—	0.45	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	248	—	—	0.45	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	13.5	—	—	0.11	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.3	—	—	0.11	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.2	—	—	0.11	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.2	—	—	0.11	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.88	—	—	2	ug/L	Y	J	J	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.59	—	—	2	ug/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	5.63	—	—	2	ug/L	Y	J	J	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.48	—	—	2	ug/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.07	—	—	2	ug/L	Y	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.06	—	—	2	ug/L	Y	J	J	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	—	0.165	ug/L	Y	—	J	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.165	ug/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.69	—	—	0.165	ug/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.165	ug/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.39	—	—	0.17	ug/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.4	—	—	0.17	ug/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.59	2.91	10.7	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.0677	1.3	4.4	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.776	1.6	5.7	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.13	3.2	10	—	pCi/L	Y	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	17.5	11	37	—	pCi/L	Y	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	11.5	11	38	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	10.3	10	34	—	pCi/L	Y	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	38.1	—	—	0.5	ug/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	40.1	—	—	0.5	ug/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	40.8	—	—	0.5	ug/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	34.3	—	—	0.5	ug/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	39.9	—	—	0.5	ug/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	38.3	—	—	0.5	ug/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.5	—	—	0.425	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.96	—	—	0.17	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.33	—	—	0.17	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.07	—	—	0.1	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.76	—	—	0.1	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.93	—	—	0.1	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	63.5	—	—	5	ug/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	60.6	—	—	5	ug/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	59.4	—	—	5	ug/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	64.3	—	—	5	ug/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	63.1	—	—	5	ug/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	63.1	—	—	5	ug/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00181	0.00542	0.0174	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00206	0.0029	0.023	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0025	0.028	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0086	0.027	—	pCi/L	Y	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00366	0.0026	0.032	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-2.06E-10	0.0024	0.03	—	pCi/L	Y	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.003	0.03	—	pCi/L	Y	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00361	0.00722	0.0288	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00412	0.0036	0.032	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	8.29E-10	0.005	0.039	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00815	0.0058	0.028	—	pCi/L	Y	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00365	0.0045	0.036	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0069	0.0042	0.034	—	pCi/L	Y	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.003	0.037	—	pCi/L	Y	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.06	—	—	0.05	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.882	—	—	0.05	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.908	—	—	0.05	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.99	—	—	0.05	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.2	—	—	0.05	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.11	—	—	0.05	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.1	15.1	55.2	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-31.8	12	35	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.6	13	34	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.4	19	66	—	pCi/L	Y	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-16.7	18	61	—	pCi/L	Y	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-19.1	17	58	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.9	18	51	—	pCi/L	Y	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.9	—	—	0.053	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.9	—	—	0.053	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.1	—	—	0.053	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.6	—	—	0.053	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	28.8	—	—	0.1	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	27.4	—	—	0.1	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.1	—	—	0.1	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.1	—	—	0.1	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.8	—	—	0.1	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	28.3	—	—	0.1	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0195	1.2	4.65	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.368	0.82	3	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.371	0.72	2.7	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.28	1.5	5.4	—	pCi/L	Y	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.829	1.2	3.5	—	pCi/L	Y	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.34	1.2	4.2	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.622	1.2	3.8	—	pCi/L	Y	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	591	—	—	1	uS/cm	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	uS/cm	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	601	—	—	1	uS/cm	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	594	—	—	1	uS/cm	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	611	—	—	1	uS/cm	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	608	—	—	1	uS/cm	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	325	—	—	1	ug/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	322	—	—	1	ug/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	315	—	—	1	ug/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	321	—	—	1	ug/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	322	—	—	1	ug/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	339	—	—	1	ug/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.146	0.133	0.462	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.257	0.12	0.48	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.339	0.15	0.49	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0848	0.097	0.41	—	pCi/L	Y	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0337	0.075	0.26	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.107	0.07	0.23	—	pCi/L	Y	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0728	0.075	0.26	—	pCi/L	Y	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	66.1	—	—	1.33	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	60.6	—	—	1.33	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	66.8	—	—	1.33	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	65.1	—	—	0.665	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	66.1	—	—	0.5	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	66.4	—	—	0.5	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	390	—	—	3.4	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	419	—	—	3.4	mg/L	Y	—	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	420	—	—	3.4	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	413	—	—	3.4	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	401	—	—	3.4	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	417	—	—	3.4	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.163	—	—	0.035	mg/L	Y	—	J-	2013-267	CAMO-13-24239	GELC
MCOI-6	686	08/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0945	—	—	0.035	mg/L	Y	J	J-	12-1509	CAMO-12-21734	GELC
MCOI-6	686	06/04/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.146	—	—	0.035	mg/L	Y	—	NQ	12-1339	CAMO-12-14006	GELC
MCOI-6	686	03/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0853	—	—	0.035	mg/L	Y	J	J-	12-1052	CAMO-12-12017	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0976	—	—	0.017	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0859	—	—	0.017	mg/L	Y	—	U	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0634	—	—	0.017	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0696	—	—	0.015	mg/L	Y	—	J-	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0409	—	—	0.015	mg/L	Y	J	J	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0398	—	—	0.015	mg/L	Y	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	3720	117	110	—	pCi/L	Y	—	NQ	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	4280	450	180	—	pCi/L	Y	—	NQ	12-312	CAMO-12-1468	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	4180	440	180	—	pCi/L	Y	—	NQ	12-312	CAMO-12-1471	GELC
MCOI-6	686	05/31/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	4280	430	180	—	pCi/L	Y	—	NQ	11-2587	CAMO-11-10700	GELC
MCOI-6	686	11/10/10	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	5040	510	200	—	pCi/L	Y	—	NQ	11-471	CAMO-11-1258	GELC
MCOI-6	686	11/10/10	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	5240	530	200	—	pCi/L	Y	—	NQ	11-471	CAMO-11-1256	GELC
MCOI-6	686	05/11/10	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	6450	650	180	—	pCi/L	Y	—	NQ	10-3131	CAMO-10-16981	GELC
MCOI-6	686	05/11/10	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	6680	670	180	—	pCi/L	Y	—	NQ	10-3131	CAMO-10-16737	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.26	—	—	0.067	ug/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.31	—	—	0.067	ug/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.41	—	—	0.067	ug/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.46	—	—	0.067	ug/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.39	—	—	0.067	ug/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.4	—	—	0.067	ug/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.617	0.0441	0.0708	—	pCi/L	Y	—	NQ	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.11	0.099	0.075	—	pCi/L	Y	—	NQ	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.06	0.095	0.075	—	pCi/L	Y	—	NQ	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.982	0.087	0.07	—	pCi/L	Y	—	NQ	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.751	0.074	0.12	—	pCi/L	Y	—	NQ	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.814	0.081	0.12	—	pCi/L	Y	—	NQ	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.655	0.069	0.15	—	pCi/L	Y	—	NQ	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0264	0.0125	0.0442	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0367	0.013	0.04	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0439	0.015	0.039	—	pCi/L	Y	—	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0541	0.015	0.042	—	pCi/L	Y	—	NQ	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0078	0.0096	0.058	—	pCi/L	Y	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0168	0.012	0.062	—	pCi/L	Y	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0163	0.012	0.086	—	pCi/L	Y	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.281	0.0302	0.0481	—	pCi/L	Y	—	NQ	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.428	0.048	0.033	—	pCi/L	Y	—	NQ	12-312	CAMO-12-1468	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.412	0.046	0.033	—	pCi/L	Y	—	NQ	12-312	CAMO-12-1471	GELC
MCOI-6	686	07/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.432	0.046	0.049	—	pCi/L	Y	—	NQ	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.325	0.041	0.058	—	pCi/L	Y	—	NQ	09-2970	CAMO-09-9533	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	08/19/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.318	0.042	0.062	—	pCi/L	Y	—	NQ	09-2970	CAMO-09-9537	GELC
MCOI-6	686	08/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.233	0.036	0.079	—	pCi/L	Y	—	NQ	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.33	—	—	1	ug/L	Y	J	J	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.53	—	—	1	ug/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	ug/L	Y	U	U	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.31	—	—	1	ug/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	ug/L	Y	U	U	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.37	—	—	1	ug/L	Y	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	24.8	—	—	3.3	ug/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	30.2	—	—	3.3	ug/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	33.4	—	—	3.3	ug/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	27.9	—	—	3.3	ug/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	39.2	—	—	3.3	ug/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	39.3	—	—	3.3	ug/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.48	—	—	0.01	SU	Y	H	J-	12-384	CAMO-12-1475	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.67	—	—	0.01	SU	Y	H	J-	12-384	CAMO-12-1478	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.41	—	—	0.01	SU	Y	H	J-	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.81	—	—	0.01	SU	Y	H	J-	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.77	—	—	0.01	SU	Y	H	J-	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66	—	—	0.725	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.1	—	—	0.73	mg/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.1	—	—	0.73	mg/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.9	—	—	0.73	mg/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.7	—	—	0.73	mg/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.5	—	—	0.73	mg/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00259	0.00449	0.0295	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00514	0.0045	0.032	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00756	0.0071	0.034	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00286	0.0088	0.033	—	pCi/L	Y	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000048	0.014	0.031	—	pCi/L	Y	U	U	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	13.7	—	—	1	ug/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.6	—	—	1	ug/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.3	—	—	1	ug/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.4	—	—	1	ug/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.6	—	—	1	ug/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.2	—	—	1	ug/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.3	—	—	0.05	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.3	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.5	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.1	—	—	0.05	mg/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.5	—	—	0.05	mg/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.788	1.43	5.03	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.63	1.6	5.7	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.31	1.5	5.3	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.621	1.4	4.9	—	pCi/L	Y	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.43	1.3	4.1	—	pCi/L	Y	U	U	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.02	—	—	0.067	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.82	—	—	0.066	mg/L	Y	—	NQ	12-384	CAMO-12-1478	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1031.12	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.8	—	—	0.066	mg/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.9	—	—	0.066	mg/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.99	—	—	0.066	mg/L	Y	—	J+	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.77	—	—	0.066	mg/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.27	—	—	2	ug/L	Y	J	J	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.49	—	—	2	ug/L	Y	J	J	12-384	CAMO-12-1478	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.46	—	—	2	ug/L	Y	J	J	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.75	—	—	2	ug/L	Y	J	J	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.37	—	—	2	ug/L	Y	J	J	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.9	—	—	2	ug/L	Y	J	J	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.11	1.28	5.36	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.973	1.4	4.9	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.58	1.6	4.7	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.239	1.4	4.4	—	pCi/L	Y	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.71	1.5	5.2	—	pCi/L	Y	U	U	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.187	—	—	0.033	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.179	—	—	0.033	mg/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.169	—	—	0.033	mg/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.164	—	—	0.033	mg/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.194	—	—	0.033	mg/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.16	—	—	0.033	mg/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0647	0.579	2.65	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.769	0.69	2.5	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.18	0.38	0.67	—	pCi/L	Y	—	NQ	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/13/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.56	0.606	1.61	—	pCi/L	Y	U	U	191539	GU070800G01R01	GELC
R-1	1031.12	07/06/06	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.383	0.362	1.41	—	pCi/L	Y	U	U	166714	GU060500G01R01	GELC
R-1	1031.12	07/06/06	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.92	0.749	2.25	—	pCi/L	Y	U	U	166714	GU060500G01R90	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.61	0.947	2.92	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.204	0.73	2.7	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.34	0.73	2.3	—	pCi/L	Y	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/13/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	3.08	1.02	3.09	—	pCi/L	Y	U	U	191539	GU070800G01R01	GELC
R-1	1031.12	07/06/06	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.23	0.536	1.66	—	pCi/L	Y	—	J	166714	GU060500G01R01	GELC
R-1	1031.12	07/06/06	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.74	0.74	2.89	—	pCi/L	Y	U	U	166714	GU060500G01R90	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.1	—	—	0.453	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.8	—	—	0.45	mg/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.6	—	—	0.45	mg/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.5	—	—	0.45	mg/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.5	—	—	0.45	mg/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.6	—	—	0.45	mg/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.11	—	—	0.11	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.78	—	—	0.11	mg/L	Y	—	J	12-384	CAMO-12-1478	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.85	—	—	0.11	mg/L	Y	—	J	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.19	—	—	0.11	mg/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.96	—	—	0.11	mg/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.12	—	—	0.11	mg/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.24	—	—	0.165	ug/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.17	ug/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.17	ug/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.01	—	—	0.17	ug/L	Y	—	U	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.17	ug/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.17	ug/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.29	2.85	9.74	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.8	2.9	10	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	15.7	10	34	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	12.5	15	33	—	pCi/L	Y	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.92	13	35	—	pCi/L	Y	U	U	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	11	—	—	0.5	ug/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.7	—	—	0.5	ug/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.5	—	—	0.5	ug/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.19	—	—	0.5	ug/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	9.12	—	—	0.5	ug/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.41	—	—	0.5	ug/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.316	—	—	0.017	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.304	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.316	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.316	—	—	0.05	mg/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.375	—	—	0.05	mg/L	Y	—	J+	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.311	—	—	0.05	mg/L	Y	—	J-	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.34	—	—	0.05	ug/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.349	—	—	0.05	ug/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.343	—	—	0.05	ug/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.334	—	—	0.05	ug/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.386	—	—	0.05	ug/L	Y	—	J	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.368	—	—	0.05	ug/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00545	0.00545	0.0262	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0031	0.0044	0.041	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.003	0.049	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0152	0.0078	0.035	—	pCi/L	Y	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00159	0.0062	0.022	—	pCi/L	Y	U	U	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00272	0.00721	0.0435	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00929	0.0069	0.042	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.000832	0.0037	0.034	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0108	0.0065	0.042	—	pCi/L	Y	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00318	0.0045	0.027	—	pCi/L	Y	U	U	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.69	—	—	0.05	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.71	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.67	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	J	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.82	—	—	0.05	mg/L	Y	—	J	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.95	—	—	0.05	mg/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.81	19.6	69.6	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.3	19	71	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21.4	17	64	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-34.1	18	54	—	pCi/L	Y	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	46.9	26	45	—	pCi/L	Y	UI	R	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.3	—	—	0.053	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.5	—	—	0.053	mg/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.7	—	—	0.053	mg/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.9	—	—	0.053	mg/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.3	—	—	0.053	mg/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.7	—	—	0.053	mg/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.15	1.49	5.98	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.2	1.2	4.8	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.7	1.6	4.9	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.951	1.5	4.8	—	pCi/L	Y	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.369	1.3	4.3	—	pCi/L	Y	U	U	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	uS/cm	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	uS/cm	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	139	—	—	1	uS/cm	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	uS/cm	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	1	uS/cm	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	uS/cm	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.8	—	—	1	ug/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.6	—	—	1	ug/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.4	—	—	1	ug/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53	—	—	1	ug/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.3	—	—	1	ug/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.6	—	—	1	ug/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.225	0.147	0.49	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0194	0.1	0.4	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.33	0.16	0.5	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.155	0.11	0.4	—	pCi/L	Y	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.253	0.11	0.34	—	pCi/L	Y	U	U	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.39	—	—	0.133	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.29	—	—	0.1	mg/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.3	—	—	0.1	mg/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.26	—	—	0.1	mg/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.5	—	—	0.1	mg/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.47	—	—	0.1	mg/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	3.4	mg/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	2.4	mg/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	2.4	mg/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.774	—	—	0.33	mg/L	Y	J	J	2013-247	CAMO-13-24240	GELC
R-1	1031.12	11/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-383	CAMO-12-1474	GELC
R-1	1031.12	11/18/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-383	CAMO-12-1476	GELC
R-1	1031.12	08/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.495	—	—	0.33	mg/L	Y	J	J	11-3001	CAMO-11-24660	GELC
R-1	1031.12	06/03/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.412	—	—	0.33	mg/L	Y	J	J	11-2615	CAMO-11-10747	GELC
R-1	1031.12	02/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.449	—	—	0.33	mg/L	Y	J	J	11-1348	CAMO-11-4636	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.785	0.791	2.41	—	pCi/L	Y	U	U	2013-251	CAMO-13-24240	ARSL
R-1	1031.12	11/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.61	0.67	2.31	—	pCi/L	Y	U	U	12-436	CAMO-12-1474	ARSL
R-1	1031.12	11/18/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.37	0.71	2.42	—	pCi/L	Y	U	U	12-436	CAMO-12-1476	ARSL

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1031.12	06/03/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.644	0.7728	2.6082	—	pCi/L	Y	U	U	11-2628	CAMO-11-10747	ARSL
R-1	1031.12	11/12/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.4186	0.7084	2.3506	—	pCi/L	Y	U	U	11-564	CAMO-11-1262	ARSL
R-1	1031.12	11/12/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	23.7636	3.703	2.3506	—	pCi/L	N	—	R	11-564	CAMO-11-1262	ARSL
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.0966	0.2898	0.2898	—	pCi/L	Y	U	U	10-1902	CAMO-10-9329	UMTL
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.933	—	—	0.067	ug/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.759	—	—	0.067	ug/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.78	—	—	0.067	ug/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.487	—	—	0.067	ug/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.633	—	—	0.067	ug/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.872	—	—	0.067	ug/L	Y	N	J+	11-1348	CAMO-11-4638	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.729	0.0509	0.0719	—	pCi/L	Y	—	NQ	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.768	0.071	0.068	—	pCi/L	Y	—	NQ	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.759	0.086	0.08	—	pCi/L	Y	—	NQ	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.747	0.067	0.092	—	pCi/L	Y	—	NQ	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.698	0.059	0.084	—	pCi/L	Y	—	NQ	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0115	0.0101	0.0449	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0262	0.0095	0.041	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0345	0.016	0.064	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00597	0.0085	0.045	—	pCi/L	Y	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00604	0.0061	0.045	—	pCi/L	Y	U	U	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.335	0.0328	0.0488	—	pCi/L	Y	—	NQ	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.276	0.034	0.047	—	pCi/L	Y	—	NQ	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.267	0.042	0.057	—	pCi/L	Y	—	NQ	10-1817	CAMO-10-9329	GELC
R-1	1031.12	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.333	0.037	0.046	—	pCi/L	Y	—	NQ	09-2878	CAMO-09-9549	GELC
R-1	1031.12	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.232	0.027	0.044	—	pCi/L	Y	—	NQ	08-1699	CAMO-08-14505	GELC
R-1	1031.12	10/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.1	—	—	1	ug/L	Y	—	NQ	2013-247	CAMO-13-24257	GELC
R-1	1031.12	11/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.18	—	—	1	ug/L	Y	—	NQ	12-384	CAMO-12-1478	GELC
R-1	1031.12	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.18	—	—	1	ug/L	Y	—	NQ	12-384	CAMO-12-1475	GELC
R-1	1031.12	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.57	—	—	1	ug/L	Y	—	NQ	11-3001	CAMO-11-24661	GELC
R-1	1031.12	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	9	—	—	1	ug/L	Y	—	NQ	11-2615	CAMO-11-10748	GELC
R-1	1031.12	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.36	—	—	1	ug/L	Y	—	NQ	11-1348	CAMO-11-4638	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.53	—	—	0.01	SU	Y	H	J-	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.2	—	—	0.725	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.7	—	—	0.725	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.4	—	—	0.725	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.8	—	—	0.725	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.1	—	—	0.73	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0123	0.00867	0.0349	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00254	0.00568	0.0348	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00182	0.0021	0.028	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00222	0.0019	0.027	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00286	0.0024	0.03	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.114	—	—	0.017	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.124	—	—	0.017	mg/L	Y	—	U	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0757	—	—	0.017	mg/L	Y	—	U	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.105	—	—	0.016	mg/L	Y	—	U	12-1058	CASA-12-11713	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.4	—	—	1	ug/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.8	—	—	1	ug/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.9	—	—	1	ug/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.2	—	—	1	ug/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36	—	—	1	ug/L	Y	—	J	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.3	—	—	15	ug/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.9	—	—	15	ug/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.7	—	—	15	ug/L	Y	J	J	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.4	—	—	15	ug/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.6	—	—	15	ug/L	Y	J	J	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.126	—	—	0.067	mg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0882	—	—	0.067	mg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.125	—	—	0.067	mg/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.11	—	—	0.066	mg/L	Y	J	J	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.4	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.7	—	—	0.05	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	J+	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.8	—	—	0.05	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.37	1.23	4.54	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.44	1.86	7.55	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.17	1.8	6.6	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.342	1.4	4.6	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.27	1.3	4.4	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.26	—	—	0.067	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.83	—	—	0.067	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.94	—	—	0.067	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.63	—	—	0.067	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.62	—	—	0.066	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	23.7	—	—	2	ug/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	20.3	—	—	2	ug/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	20.5	—	—	2	ug/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	21.4	—	—	2	ug/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	19.1	—	—	2	ug/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.04	1.24	4.29	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.91	2.18	7.34	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.36	1.3	4.9	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.71	1.6	6	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.43	1.3	4.8	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	3.05	—	—	3	ug/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	ug/L	Y	U	U	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	ug/L	Y	U	U	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	ug/L	Y	U	U	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	ug/L	Y	U	U	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.421	—	—	0.033	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.378	—	—	0.033	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.411	—	—	0.033	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.404	—	—	0.033	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.53	—	—	0.033	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.27	0.862	2.89	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.134	0.376	2.15	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.89	0.71	1.7	—	pCi/L	Y	—	U	10-3621	CASA-10-22657	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.71	0.53	1.5	—	pCi/L	Y	—	NQ	09-2826	CASA-09-10366	GELC
R-11	855	08/17/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.27	0.741	2.28	—	pCi/L	Y	U	U	191952	GU070800G11R01	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.23	0.697	2.26	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.7	0.823	2.66	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.09	1.2	2.8	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22657	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.693	0.6	2	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/17/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.28	0.805	2.64	—	pCi/L	Y	U	U	191952	GU070800G11R01	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.9	—	—	0.453	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.8	—	—	0.453	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79	—	—	0.453	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79.5	—	—	0.453	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.45	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.77	—	—	0.11	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.08	—	—	0.11	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.05	—	—	0.11	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.07	—	—	0.11	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.34	—	—	0.11	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.51	—	—	0.165	ug/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.165	ug/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.165	ug/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.165	ug/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	—	0.17	ug/L	Y	—	J	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.342	2.55	9.17	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.01	3.29	10.6	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.27	2.9	9.4	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.53	9	29	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	10.4	12	41	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.619	—	—	0.5	ug/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.617	—	—	0.5	ug/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.709	—	—	0.5	ug/L	Y	J	J	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.68	—	—	0.5	ug/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	ug/L	Y	U	U	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.93	—	—	0.425	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.26	—	—	0.17	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.85	—	—	0.17	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.25	—	—	0.05	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.27	—	—	0.05	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.86	—	—	0.05	ug/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.899	—	—	0.05	ug/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.92	—	—	0.05	ug/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.843	—	—	0.05	ug/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.55	—	—	0.2	ug/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0105	0.00628	0.0201	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00359	0.0171	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0024	0.023	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00979	0.0048	0.033	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0204	0.0076	0.03	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00837	0.00662	0.0334	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00761	0.00567	0.0306	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00681	0.0034	0.023	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00783	0.0048	0.023	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0037	0.0059	0.036	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.65	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.95	—	—	0.05	mg/L	Y	—	J	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.8	17.4	70.2	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.04	17	76.7	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18.3	20	73	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.9	15	52	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-25.7	16	49	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.88	—	—	1.5	ug/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.76	—	—	1.5	ug/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.66	—	—	1.5	ug/L	Y	J	J	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.6	—	—	1.5	ug/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	ug/L	Y	U	UJ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.4	—	—	0.053	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.8	—	—	0.053	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.7	—	—	0.053	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.8	—	—	0.053	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.5	—	—	0.1	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.7	—	—	0.1	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.73	1.17	3.75	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.956	1.78	6.84	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.88	1.5	3.4	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.878	1.2	4.3	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.942	1.2	4.2	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	234	—	—	1	uS/cm	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	uS/cm	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	uS/cm	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	222	—	—	1	uS/cm	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	uS/cm	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.3	—	—	1	ug/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.6	—	—	1	ug/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	87.5	—	—	1	ug/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	90.1	—	—	1	ug/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	71.7	—	—	1	ug/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.391	0.135	0.399	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.149	0.135	0.467	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.354	0.13	0.48	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0676	0.13	0.47	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.41	0.14	0.41	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.4	—	—	0.133	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12	—	—	0.133	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.2	—	—	0.133	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.1	—	—	0.133	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.71	—	—	0.1	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	214	—	—	3.4	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	210	—	—	3.4	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197	—	—	3.4	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	3.4	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0308	—	—	0.017	mg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0349	—	—	0.017	mg/L	Y	J	U	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0595	—	—	0.017	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	UJ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0394	—	—	0.015	mg/L	Y	J	J	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	5.262	1.136	2.422	—	pCi/L	Y	—	NQ	2013-293	CASA-13-24209	ARSL
R-11	855	11/16/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.02	0.99	2.42	—	pCi/L	Y	—	NQ	12-414	CASA-12-1379	ARSL
R-11	855	05/23/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.7996	0.9016	2.093	—	pCi/L	Y	—	NQ	11-2519	CASA-11-10811	ARSL
R-11	855	11/11/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	44.7258	6.8264	2.3184	—	pCi/L	N	—	R	11-556	CASA-11-1371	ARSL
R-11	855	11/11/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	5.4096	1.127	2.3184	—	pCi/L	Y	—	NQ	11-556	CASA-11-1371	ARSL
R-11	855	05/05/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.025	0.9338	2.2218	—	pCi/L	N	—	R	10-3122	CASA-10-16778	ARSL
R-11	855	05/05/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.64	1	2.22	—	pCi/L	Y	—	NQ	10-3122	CASA-10-16778	ARSL
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.758	—	—	0.067	ug/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.714	—	—	0.067	ug/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.782	—	—	0.067	ug/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.678	—	—	0.067	ug/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.748	—	—	0.067	ug/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.516	0.039	0.0617	—	pCi/L	Y	—	J	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.556	0.0409	0.0735	—	pCi/L	Y	—	NQ	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.58	0.057	0.067	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.589	0.074	0.14	—	pCi/L	Y	—	NQ	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.546	0.057	0.11	—	pCi/L	Y	—	NQ	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0132	0.0104	0.0385	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0136	0.00833	0.0475	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0195	0.0081	0.041	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0136	0.0097	0.079	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0179	0.0096	0.054	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.218	0.0258	0.0419	—	pCi/L	Y	—	J	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.184	0.0229	0.0373	—	pCi/L	Y	—	NQ	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.229	0.03	0.047	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.231	0.041	0.088	—	pCi/L	Y	—	NQ	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.276	0.036	0.055	—	pCi/L	Y	—	NQ	09-2826	CASA-09-10366	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.53	—	—	1	ug/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.54	—	—	1	ug/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.38	—	—	1	ug/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.84	—	—	1	ug/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.8	—	—	1	ug/L	Y	—	J	12-366	CASA-12-1380	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.94	—	—	3.3	ug/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.79	—	—	3.3	ug/L	Y	J	J	12-1508	CASA-12-21647	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	9.94	—	—	3.3	ug/L	Y	J	U	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.85	—	—	3.3	ug/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	52.9	—	—	3.3	ug/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	J-	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.28	—	—	0.01	SU	Y	H	J-	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.89	—	—	0.01	SU	Y	H	J-	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.725	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.7	—	—	0.725	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.73	mg/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.73	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.4	—	—	0.73	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0077	0.00574	0.0292	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00378	0.0026	0.034	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00306	0.01	0.033	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00813	0.0036	0.027	—	pCi/L	Y	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.017	0.0086	0.03	—	pCi/L	Y	U	U	08-1683	CAMO-08-14536	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0086	0.012	0.031	—	pCi/L	Y	U	U	08-1683	CAMO-08-14532	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.031	—	—	0.017	mg/L	Y	J	J	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.1	—	—	1	ug/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.3	—	—	1	ug/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.5	—	—	1	ug/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26	—	—	1	ug/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.4	—	—	1	ug/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0682	—	—	0.067	mg/L	Y	J	J	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.6	—	—	0.05	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.1	—	—	0.05	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.4	—	—	0.05	mg/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.5	—	—	0.05	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.91	1.31	4.23	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.04	1.9	6.5	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.65	2.2	7.6	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.73	1.5	5.4	—	pCi/L	Y	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.21	1.1	4	—	pCi/L	Y	U	U	08-1683	CAMO-08-14536	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.136	1.3	4.3	—	pCi/L	Y	U	U	08-1683	CAMO-08-14532	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.41	—	—	0.067	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.39	—	—	0.067	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.34	—	—	0.066	mg/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.33	—	—	0.066	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.3	—	—	0.066	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.91	—	—	2	ug/L	Y	J	J	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.39	—	—	2	ug/L	Y	J	J	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.98	—	—	2	ug/L	Y	J	J	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.24	—	—	2	ug/L	Y	J	J	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.62	—	—	2	ug/L	Y	J	J	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.158	1.1	4.07	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.51	1.7	5.8	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.69	1.6	6.1	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.432	1.4	4.6	—	pCi/L	Y	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.19	1.6	4.6	—	pCi/L	Y	U	U	08-1683	CAMO-08-14532	GELC
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.99	1.1	3	—	pCi/L	Y	U	U	08-1683	CAMO-08-14536	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.301	—	—	0.033	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.306	—	—	0.033	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.275	—	—	0.033	mg/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.274	—	—	0.033	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.32	—	—	0.033	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.631	0.7	2.6	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.747	0.62	2.2	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	11.1	1.8	2.5	—	pCi/L	Y	—	NQ	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/16/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.25	0.352	2.12	—	pCi/L	Y	U	U	191858	GU070800G13R01	GELC
R-13	958.33	07/03/06	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0249	0.532	2.72	—	pCi/L	Y	U	U	166561	GU060500G13R01	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.196	0.775	2.87	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.62	0.88	2.8	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	14.5	3.1	6.9	—	pCi/L	Y	—	NQ	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/16/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.376	0.621	2.12	—	pCi/L	Y	U	U	191858	GU070800G13R01	GELC
R-13	958.33	07/03/06	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.177	0.456	2.1	—	pCi/L	Y	U	U	166561	GU060500G13R01	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.2	—	—	0.453	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.1	—	—	0.453	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.2	—	—	0.45	mg/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.6	—	—	0.45	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51	—	—	0.45	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.48	—	—	0.11	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.6	—	—	0.11	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.46	—	—	0.11	mg/L	Y	—	J	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.39	—	—	0.11	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.59	—	—	0.11	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.05	—	—	0.165	ug/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.165	ug/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.17	ug/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.939	—	—	0.17	ug/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.17	ug/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.1	2.19	7.66	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.31	2.9	9.7	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	8.64	7.4	23	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-7.8	12	37	—	pCi/L	Y	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	12.4	10	34	—	pCi/L	Y	U	U	08-1683	CAMO-08-14536	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.62	10	33	—	pCi/L	Y	U	U	08-1683	CAMO-08-14532	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.509	—	—	0.5	ug/L	Y	J	J	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.558	—	—	0.5	ug/L	Y	J	J	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	ug/L	Y	U	U	12-421	CAMO-12-1482	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.809	—	—	0.5	ug/L	Y	J	J	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	ug/L	Y	U	U	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.682	—	—	0.017	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.71	—	—	0.085	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.755	—	—	0.05	mg/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.053	—	—	0.01	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.73	—	—	0.05	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.403	—	—	0.05	ug/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.419	—	—	0.05	ug/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.418	—	—	0.05	ug/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.404	—	—	0.05	ug/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.426	—	—	0.05	ug/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00728	0.035	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0113	0.0068	0.03	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0022	0.0038	0.038	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0147	0.0094	0.028	—	pCi/L	Y	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0051	0.025	—	pCi/L	Y	U	U	08-1683	CAMO-08-14532	GELC
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0025	0.025	—	pCi/L	Y	U	U	08-1683	CAMO-08-14536	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00364	0.00814	0.0581	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0136	0.012	0.031	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	1.31E-10	0.0031	0.027	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0055	0.0049	0.034	—	pCi/L	Y	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00357	0.0025	0.03	—	pCi/L	Y	U	U	08-1683	CAMO-08-14532	GELC
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0124	0.0054	0.03	—	pCi/L	Y	U	U	08-1683	CAMO-08-14536	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.24	—	—	0.05	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.48	—	—	0.05	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.4	—	—	0.05	mg/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.29	—	—	0.05	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21.5	14.9	58.3	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.51	20	71	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.04	19	68	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	31.1	14	55	—	pCi/L	Y	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.6	17	59	—	pCi/L	Y	U	U	08-1683	CAMO-08-14532	GELC
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-1.59	17	57	—	pCi/L	Y	U	U	08-1683	CAMO-08-14536	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.1	—	—	0.053	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.8	—	—	0.053	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.2	—	—	0.053	mg/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.6	—	—	0.053	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.2	—	—	0.053	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.81	—	—	0.1	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10	—	—	0.1	mg/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10	—	—	0.1	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.961	1.14	3.85	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.349	1.7	5.7	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0559	1.5	4.8	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.33	1.5	5.3	—	pCi/L	Y	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.827	1.1	3.4	—	pCi/L	Y	U	U	08-1683	CAMO-08-14532	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.288	1.2	4	—	pCi/L	Y	U	U	08-1683	CAMO-08-14536	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	uS/cm	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	uS/cm	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	1	uS/cm	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	uS/cm	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	uS/cm	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51	—	—	1	ug/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.2	—	—	1	ug/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53	—	—	1	ug/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.8	—	—	1	ug/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.6	—	—	1	ug/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.224	0.147	0.489	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0338	0.14	0.49	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.152	0.096	0.32	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.141	0.1	0.34	—	pCi/L	Y	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0304	0.11	0.41	—	pCi/L	Y	U	U	08-1683	CAMO-08-14536	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0642	0.11	0.39	—	pCi/L	Y	U	U	08-1683	CAMO-08-14532	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.14	—	—	0.133	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.2	—	—	0.133	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.18	—	—	0.1	mg/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.98	—	—	0.1	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.93	—	—	0.1	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	3.4	mg/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	2.4	mg/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.037	0.628	1.997	—	pCi/L	Y	U	U	2013-291	CAMO-13-24241	ARSL
R-13	958.33	11/22/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.1	0.71	2.43	—	pCi/L	Y	U	U	12-422	CAMO-12-1480	ARSL
R-13	958.33	05/25/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.7084	0.6762	2.3506	—	pCi/L	Y	U	U	11-2581	CAMO-11-10703	ARSL
R-13	958.33	11/09/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.3488	0.9016	2.3184	—	pCi/L	N	—	R	11-474	CAMO-11-1269	ARSL
R-13	958.33	11/09/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.9016	0.7084	2.3184	—	pCi/L	Y	U	U	11-474	CAMO-11-1269	ARSL
R-13	958.33	02/11/10	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.7728	0.2898	0.2898	—	pCi/L	Y	—	U	10-1902	CAMO-10-9346	UMTL
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.991	0.2898	0.2898	—	pCi/L	Y	—	NQ	10-1902	CAMO-10-9343	UMTL
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.435	—	—	0.067	ug/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.478	—	—	0.067	ug/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.436	—	—	0.067	ug/L	Y	—	NQ	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.436	—	—	0.067	ug/L	Y	—	J	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.398	—	—	0.067	ug/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.241	0.0361	0.0919	—	pCi/L	Y	—	NQ	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.291	0.034	0.065	—	pCi/L	Y	—	NQ	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.176	0.033	0.08	—	pCi/L	Y	—	NQ	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.217	0.025	0.068	—	pCi/L	Y	—	NQ	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.377	0.036	0.07	—	pCi/L	Y	—	NQ	08-1683	CAMO-08-14536	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.305	0.032	0.072	—	pCi/L	Y	—	NQ	08-1683	CAMO-08-14532	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0196	0.012	0.0573	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.0063	0.039	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.0089	0.063	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0022	0.0058	0.033	—	pCi/L	Y	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0181	0.0078	0.038	—	pCi/L	Y	U	U	08-1683	CAMO-08-14532	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00751	0.0056	0.037	—	pCi/L	Y	U	U	08-1683	CAMO-08-14536	GELC
R-13	958.33	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.139	0.026	0.0624	—	pCi/L	Y	—	NQ	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.106	0.019	0.045	—	pCi/L	Y	—	NQ	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.136	0.029	0.057	—	pCi/L	Y	—	NQ	10-1817	CAMO-10-9343	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.107	0.016	0.034	—	pCi/L	Y	—	NQ	09-2808	CAMO-09-9558	GELC
R-13	958.33	08/14/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.106	0.017	0.038	—	pCi/L	Y	—	NQ	08-1683	CAMO-08-14532	GELC
R-13	958.33	08/14/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.148	0.02	0.036	—	pCi/L	Y	—	NQ	08-1683	CAMO-08-14536	GELC
R-13	958.33	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.58	—	—	1	ug/L	Y	—	NQ	2013-258	CAMO-13-24258	GELC
R-13	958.33	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.19	—	—	1	ug/L	Y	—	NQ	12-1344	CAMO-12-17131	GELC
R-13	958.33	11/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.6	—	—	1	ug/L	Y	J	J	12-421	CAMO-12-1482	GELC
R-13	958.33	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.11	—	—	1	ug/L	Y	—	NQ	11-2987	CAMO-11-24634	GELC
R-13	958.33	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.29	—	—	1	ug/L	Y	—	NQ	11-2553	CAMO-11-10702	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.75	—	—	0.01	SU	Y	H	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	J-	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.54	—	—	0.01	SU	Y	H	J-	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.81	—	—	0.01	SU	Y	H	J-	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	54.7	—	—	0.725	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.8	—	—	0.725	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.9	—	—	0.73	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.4	—	—	0.73	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.9	—	—	0.73	mg/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28	—	—	1	ug/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.8	—	—	1	ug/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.8	—	—	1	ug/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.6	—	—	1	ug/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.1	—	—	1	ug/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.087	—	—	0.067	mg/L	Y	J	J	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0817	—	—	0.066	mg/L	Y	J	J	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0811	—	—	0.066	mg/L	Y	J	J	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.114	—	—	0.066	mg/L	Y	J	J	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.6	—	—	0.05	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.1	—	—	0.05	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.5	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15	—	—	0.05	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.5	—	—	0.05	mg/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.17	—	—	0.067	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.19	—	—	0.067	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.06	—	—	0.066	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.13	—	—	0.066	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.35	—	—	0.066	mg/L	Y	—	J+	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	10.5	—	—	2	ug/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	10.5	—	—	2	ug/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	9.59	—	—	2	ug/L	Y	J	J	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	14.8	—	—	2	ug/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	11.6	—	—	2	ug/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.193	—	—	0.033	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.193	—	—	0.033	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.189	—	—	0.033	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.172	—	—	0.033	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.198	—	—	0.033	mg/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.6	—	—	0.453	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.4	—	—	0.453	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.6	—	—	0.45	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.4	—	—	0.45	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52	—	—	0.45	mg/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.81	—	—	0.11	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.96	—	—	0.11	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.97	—	—	0.11	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.85	—	—	0.11	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.85	—	—	0.11	mg/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.165	ug/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.885	—	—	0.165	ug/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.998	—	—	0.17	ug/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1	—	—	0.17	ug/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.885	—	—	0.17	ug/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.88	—	—	0.5	ug/L	Y	J	J	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.655	—	—	0.5	ug/L	Y	J	J	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.8	—	—	0.5	ug/L	Y	J	J	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.24	—	—	0.5	ug/L	Y	J	J	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.848	—	—	0.5	ug/L	Y	J	J	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.02	—	—	0.17	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.06	—	—	0.085	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.35	—	—	0.01	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.78	—	—	0.1	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.77	—	—	0.05	mg/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.86	—	—	0.5	ug/L	Y	—	J	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.76	—	—	0.5	ug/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	8.14	—	—	1	ug/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.86	—	—	1	ug/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.76	—	—	0.5	ug/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.69	—	—	0.05	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.79	—	—	0.05	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.04	—	—	0.05	mg/L	Y	—	J	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.5	—	—	0.053	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.7	—	—	0.053	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.6	—	—	0.053	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.1	—	—	0.053	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.1	—	—	0.053	mg/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	1	uS/cm	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	1	uS/cm	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	1	uS/cm	Y	—	NQ	12-323	CAMO-12-1483	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	1	uS/cm	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	1	uS/cm	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.9	—	—	1	ug/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.7	—	—	1	ug/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	64.2	—	—	1	ug/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.2	—	—	1	ug/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.6	—	—	1	ug/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.48	—	—	0.133	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.56	—	—	0.133	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.47	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.17	—	—	0.1	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.64	—	—	0.1	mg/L	Y	—	J+	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	160	—	—	3.4	mg/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	2.4	mg/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	15.912	2.532	1.933	—	pCi/L	Y	—	NQ	2013-291	CAMO-13-24242	ARSL
R-15	958.6	11/10/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	29.99	4.64	2.34	—	pCi/L	Y	—	NQ	12-342	CAMO-12-1485	ARSL
R-15	958.6	05/31/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	33.7778	5.2486	2.8336	—	pCi/L	Y	—	J	11-2581	CAMO-11-10715	ARSL
R-15	958.6	11/09/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	34.0998	5.1842	1.8998	—	pCi/L	Y	—	NQ	11-474	CAMO-11-1268	ARSL
R-15	958.6	11/09/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	33.9388	5.1842	1.8032	—	pCi/L	N	—	R	11-474	CAMO-11-1268	ARSL
R-15	958.6	02/11/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	30.59	0.966	0.2898	—	pCi/L	Y	—	NQ	10-1902	CAMO-10-9324	UMTL
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.443	—	—	0.067	ug/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.38	—	—	0.067	ug/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.361	—	—	0.067	ug/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.411	—	—	0.067	ug/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.38	—	—	0.067	ug/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-15	958.6	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.86	—	—	1	ug/L	Y	—	NQ	2013-259	CAMO-13-24259	GELC
R-15	958.6	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.97	—	—	1	ug/L	Y	—	NQ	12-1324	CAMO-12-14022	GELC
R-15	958.6	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.51	—	—	1	ug/L	Y	—	NQ	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.42	—	—	1	ug/L	Y	—	NQ	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.17	—	—	1	ug/L	Y	—	NQ	11-2587	CAMO-11-10714	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.77	—	—	0.01	SU	Y	H	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	—	0.01	SU	Y	H	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	—	—	0.01	SU	Y	H	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.79	—	—	0.01	SU	Y	H	J-	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.2	—	—	0.725	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.3	—	—	0.725	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.1	—	—	0.725	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80	—	—	0.725	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.2	—	—	0.73	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0047	0.00576	0.0268	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00612	0.00749	0.0419	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00282	0.0047	0.039	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.025	0.0084	0.035	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000528	0.013	0.033	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0573	—	—	0.017	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.144	—	—	0.017	mg/L	Y	—	J	12-1481	CAMO-12-21743	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0262	—	—	0.017	mg/L	Y	J	U	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	66.3	—	—	1	ug/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.9	—	—	1	ug/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.6	—	—	1	ug/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.2	—	—	1	ug/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	71.1	—	—	1	ug/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.7	—	—	15	ug/L	Y	J	J	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.7	—	—	15	ug/L	Y	J	J	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.6	—	—	15	ug/L	Y	J	J	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	24.6	—	—	15	ug/L	Y	J	J	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	24.5	—	—	15	ug/L	Y	J	J	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.278	—	—	0.067	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.295	—	—	0.067	mg/L	Y	—	J	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.231	—	—	0.067	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.33	—	—	0.067	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.259	—	—	0.066	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	45.2	—	—	0.05	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	46.2	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	46.3	—	—	0.05	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	46.3	—	—	0.05	mg/L	Y	—	J+	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	47.4	—	—	0.05	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.00362	1.25	4.61	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.434	1.13	3.97	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.56	2.2	6.2	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.7	1.3	4.6	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.981	1.2	3.7	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	35.8	—	—	0.335	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	32.9	—	—	0.67	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	34.1	—	—	0.335	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	28.7	—	—	0.335	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	35.3	—	—	0.33	mg/L	Y	—	J+	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	415	—	—	20	ug/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	450	—	—	2	ug/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	351	—	—	2	ug/L	Y	—	J+	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	336	—	—	2	ug/L	Y	E	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	455	—	—	10	ug/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.795	1.32	4.8	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.464	1.29	4.99	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.55	2	6.5	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.21	1.5	4.3	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.28	1.3	4.2	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.308	—	—	0.033	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.271	—	—	0.033	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.328	—	—	0.033	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.287	—	—	0.033	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.289	—	—	0.033	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.61	0.89	2.71	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.93	0.802	1.99	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.55	0.87	2.6	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.18	0.49	0.73	—	pCi/L	Y	—	NQ	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.75	0.558	1.22	—	pCi/L	Y	—	J	191952	GU070800G28R01	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.2	0.837	2.52	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.842	0.883	2.99	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.36	0.88	2.5	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.42	0.75	2	—	pCi/L	Y	—	NQ	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.87	0.853	2.56	—	pCi/L	Y	—	J	191952	GU070800G28R01	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	161	—	—	0.453	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	164	—	—	0.453	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	163	—	—	0.453	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	164	—	—	0.453	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	167	—	—	0.45	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.7	—	—	0.11	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.7	—	—	0.11	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.6	—	—	0.11	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.8	—	—	0.11	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.8	—	—	0.11	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.822	—	—	0.165	ug/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.889	—	—	0.165	ug/L	Y	—	U	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.847	—	—	0.165	ug/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	ug/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.734	—	—	0.17	ug/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.568	2.5	8.76	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.36	2.54	8.4	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.32	2.9	8.9	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	27.7	11	31	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6	5.8	18	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	21.1	—	—	0.5	ug/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.8	—	—	0.5	ug/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	14.4	—	—	0.5	ug/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	14.6	—	—	0.5	ug/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	22.3	—	—	2.5	ug/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.63	—	—	0.085	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.74	—	—	0.085	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.74	—	—	0.17	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.37	—	—	0.1	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.83	—	—	0.1	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.93	—	—	0.05	ug/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	ug/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.987	—	—	0.1	ug/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.01	—	—	0.1	ug/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.05	—	—	0.1	ug/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00691	0.00691	0.0332	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00359	0.0171	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00208	0.0047	0.028	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.004	0.0049	0.032	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0104	0.0051	0.029	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00691	0.00846	0.0552	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0127	0.00672	0.0306	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00833	0.0042	0.028	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.002	0.0072	0.039	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00208	0.0075	0.035	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.7	—	—	0.05	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.9	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.81	—	—	0.05	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.02	—	—	0.05	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-22.4	14.7	51.6	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17.5	15.1	59.6	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.49	20	66	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-2.5	16	53	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.55	14	50	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.4	—	—	0.053	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	0.0782	—	—	0.053	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.4	—	—	0.053	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.6	—	—	0.053	mg/L	Y	—	J+	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.3	—	—	0.053	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.3	—	—	0.1	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.9	—	—	0.1	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.2	—	—	0.1	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.4	—	—	0.1	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.24	1.42	5.02	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.614	1.21	4.78	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.47	1.8	4.5	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.601	1.1	3.9	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.29	1.1	4	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	415	—	—	1	uS/cm	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	415	—	—	1	uS/cm	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	411	—	—	1	uS/cm	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	442	—	—	1	uS/cm	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	407	—	—	1	uS/cm	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	172	—	—	1	ug/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	181	—	—	1	ug/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	175	—	—	1	ug/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	179	—	—	1	ug/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	185	—	—	1	ug/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.207	0.129	0.426	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.083	0.123	0.486	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.112	0.14	0.49	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0127	0.14	0.48	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.117	0.099	0.34	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	51.3	—	—	0.665	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	47.3	—	—	1.33	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	47.9	—	—	0.665	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	39.6	—	—	0.665	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	49.8	—	—	0.5	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	303	—	—	3.4	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	287	—	—	3.4	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	273	—	—	3.4	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	396	—	—	3.4	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	326	—	—	3.4	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	178	47.3	150	—	pCi/L	Y	—	NQ	2013-258	CAMO-13-24243	GELC
R-28	934.3	11/15/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	106	55	170	—	pCi/L	Y	U	U	12-341	CAMO-12-1486	GELC
R-28	934.3	06/01/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	171.626	25.8566	3.0268	—	pCi/L	Y	—	NQ	11-2628	CAMO-11-10705	ARSL
R-28	934.3	11/10/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	220.377	33.1016	1.8032	—	pCi/L	Y	—	NQ	11-474	CAMO-11-1271	ARSL
R-28	934.3	11/10/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	221.729	33.327	1.8032	—	pCi/L	N	—	R	11-474	CAMO-11-1271	ARSL
R-28	934.3	02/03/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	201.25	6.762	0.2898	—	pCi/L	Y	—	NQ	10-1902	CAMO-10-9326	UMTL
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.54	—	—	0.067	ug/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.5	—	—	0.067	ug/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.7	—	—	0.067	ug/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.9	—	—	0.067	ug/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.27	—	—	0.067	ug/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.15	0.0587	0.0654	—	pCi/L	Y	—	NQ	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.14	0.0486	0.0531	—	pCi/L	Y	—	NQ	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.85	0.077	0.068	—	pCi/L	Y	—	NQ	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.954	0.083	0.092	—	pCi/L	Y	—	NQ	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.793	0.058	0.057	—	pCi/L	Y	—	NQ	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0139	0.00986	0.0408	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0147	0.00851	0.0343	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.059	0.015	0.041	—	pCi/L	Y	—	NQ	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0417	0.012	0.045	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0326	0.011	0.03	—	pCi/L	Y	—	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.488	0.0373	0.0444	—	pCi/L	Y	—	NQ	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.433	0.0297	0.0269	—	pCi/L	Y	—	NQ	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.371	0.041	0.047	—	pCi/L	Y	—	NQ	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.407	0.043	0.045	—	pCi/L	Y	—	NQ	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.399	0.034	0.03	—	pCi/L	Y	—	NQ	08-1699	CAMO-08-14543	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.93	—	—	1	ug/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.31	—	—	1	ug/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.3	—	—	1	ug/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.56	—	—	1	ug/L	Y	J	J	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.28	—	—	1	ug/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.67	—	—	3.3	ug/L	Y	J	J	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.55	—	—	3.3	ug/L	Y	J	J	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	11.2	—	—	3.3	ug/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	29.4	—	—	3.3	ug/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	ug/L	Y	U	U	12-341	CAMO-12-1487	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	—	—	0.01	SU	Y	H	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	J-	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	J-	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	J-	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	105	—	—	0.725	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	106	—	—	0.725	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	102	—	—	0.73	mg/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	106	—	—	0.73	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	108	—	—	0.73	mg/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00381	0.00762	0.0217	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00654	0.0036	0.031	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00828	0.0048	0.036	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00285	0.0025	0.034	—	pCi/L	Y	U	U	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00021	0.0015	0.026	—	pCi/L	Y	U	U	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0497	—	—	0.017	mg/L	Y	J	J	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	361	—	—	1	ug/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	369	—	—	1	ug/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	372	—	—	1	ug/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	380	—	—	1	ug/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	352	—	—	1	ug/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	39.7	—	—	15	ug/L	Y	J	J	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	41.3	—	—	15	ug/L	Y	J	J	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	42.1	—	—	15	ug/L	Y	J	J	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	43.1	—	—	15	ug/L	Y	J	J	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	43.6	—	—	15	ug/L	Y	J	J	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.3	—	—	0.05	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.3	—	—	0.05	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.4	—	—	0.05	mg/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.5	—	—	0.05	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.2	—	—	0.05	mg/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.28	1.56	5.25	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.371	1.3	4.2	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.38	1.3	3.9	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.14	1.5	4.3	—	pCi/L	Y	U	U	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.18	1.4	4.4	—	pCi/L	Y	U	U	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.27	—	—	0.067	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.37	—	—	0.067	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.98	—	—	0.066	mg/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.25	—	—	0.066	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.51	—	—	0.066	mg/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.25	—	—	2	ug/L	Y	J	J	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.07	—	—	2	ug/L	Y	J	J	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.04	—	—	2	ug/L	Y	J	J	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.63	—	—	2	ug/L	Y	J	J	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.02	—	—	2	ug/L	Y	J	J	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.75	1.25	5.3	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.969	1.1	3.4	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.743	1.4	4.8	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.917	1.6	5	—	pCi/L	Y	U	U	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.508	1.2	3.6	—	pCi/L	Y	U	U	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.332	—	—	0.033	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.32	—	—	0.033	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.298	—	—	0.033	mg/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.326	—	—	0.033	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.333	—	—	0.033	mg/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.22	0.69	2.04	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.798	0.68	2.4	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.418	0.57	2.6	—	pCi/L	Y	U	U	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.41	0.76	2.1	—	pCi/L	Y	U	U	09-2768	CASA-09-10387	GELC
R-35a	1013.1	04/28/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.186	0.41	1.6	—	pCi/L	Y	U	U	09-1644	CASA-09-8305	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.02	0.808	2.13	—	pCi/L	Y	—	NQ	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.4	0.86	2.8	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.44	1	2.1	—	pCi/L	Y	—	NQ	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.86	1	2.1	—	pCi/L	Y	—	NQ	09-2768	CASA-09-10387	GELC
R-35a	1013.1	04/28/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.2	0.94	2.1	—	pCi/L	Y	—	NQ	09-1644	CASA-09-8305	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	80.6	—	—	0.453	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	80.3	—	—	0.453	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	83.3	—	—	0.45	mg/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	86.5	—	—	0.45	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	82.3	—	—	0.45	mg/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	48.2	—	—	30	ug/L	Y	J	J	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	ug/L	Y	U	U	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	ug/L	Y	U	U	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	ug/L	Y	U	U	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	ug/L	Y	U	U	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.08	—	—	0.11	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.99	—	—	0.11	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.04	—	—	0.11	mg/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.18	—	—	0.11	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.94	—	—	0.11	mg/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.36	—	—	0.165	ug/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.165	ug/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.23	—	—	0.17	ug/L	Y	—	U	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.17	ug/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.17	ug/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.15	2.81	9.64	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.873	2.2	7.6	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-12.3	9.7	31	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.59	12	39	—	pCi/L	Y	U	U	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.82	11	35	—	pCi/L	Y	U	U	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	14.9	—	—	0.5	ug/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.09	—	—	0.5	ug/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	9.13	—	—	0.5	ug/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	11	—	—	0.5	ug/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	13.2	—	—	0.5	ug/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.451	—	—	0.017	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.423	—	—	0.085	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.114	—	—	0.01	mg/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.206	—	—	0.01	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.605	—	—	0.05	mg/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.42	—	—	0.05	ug/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.435	—	—	0.05	ug/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.406	—	—	0.05	ug/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.443	—	—	0.05	ug/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.403	—	—	0.05	ug/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00916	0.00857	0.022	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00168	0.0024	0.022	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00329	0.012	0.045	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00669	0.0041	0.027	—	pCi/L	Y	U	U	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00925	0.014	0.035	—	pCi/L	Y	U	U	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00687	0.00606	0.0366	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0024	0.023	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00121	0.0039	0.031	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00334	0.0033	0.027	—	pCi/L	Y	U	U	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0162	0.0065	0.042	—	pCi/L	Y	U	U	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.03	—	—	0.05	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.06	—	—	0.05	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.02	—	—	0.05	mg/L	Y	—	J	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.17	—	—	0.05	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.09	—	—	0.05	mg/L	Y	—	J	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.7	19.5	71.3	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.05	15	47	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.2	17	61	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.535	20	71	—	pCi/L	Y	U	U	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.3	16	58	—	pCi/L	Y	U	U	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	81.9	—	—	0.053	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	84.1	—	—	0.053	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	88.6	—	—	0.053	mg/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	87.1	—	—	0.053	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	81.1	—	—	0.053	mg/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.8	—	—	0.1	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.9	—	—	0.1	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.4	—	—	0.1	mg/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.4	—	—	0.1	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.18	1.5	5.13	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.08	1.1	3.9	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.26	1	3.9	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.26	1.5	4.6	—	pCi/L	Y	U	U	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0647	1.3	4.1	—	pCi/L	Y	U	U	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	244	—	—	1	uS/cm	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	236	—	—	1	uS/cm	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	241	—	—	1	uS/cm	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	241	—	—	1	uS/cm	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	241	—	—	1	uS/cm	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	181	—	—	1	ug/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	176	—	—	1	ug/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	181	—	—	1	ug/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	186	—	—	1	ug/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	173	—	—	1	ug/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.458	0.154	0.482	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.233	0.12	0.46	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0849	0.094	0.32	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.318	0.11	0.41	—	pCi/L	Y	U	U	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.423	0.14	0.43	—	pCi/L	Y	U	U	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.52	—	—	0.133	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.53	—	—	0.133	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.29	—	—	0.1	mg/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.47	—	—	0.1	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.82	—	—	0.1	mg/L	Y	—	J+	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	204	—	—	3.4	mg/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	201	—	—	3.4	mg/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	196	—	—	3.4	mg/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	216	—	—	3.4	mg/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	193	—	—	2.4	mg/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.02	—	—	0.33	mg/L	Y	—	NQ	2013-312	CASA-13-24210	GELC
R-35a	1013.1	06/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.31	—	—	0.33	mg/L	Y	—	NQ	12-1345	CASA-12-17133	GELC
R-35a	1013.1	11/17/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.369	—	—	0.33	mg/L	Y	J	U	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.358	—	—	0.33	mg/L	Y	J	J	11-2498	CASA-11-10813	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.723	0.667	2.296	—	pCi/L	Y	U	U	2013-315	CASA-13-24210	ARSL
R-35a	1013.1	11/17/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.52	0.68	2.34	—	pCi/L	Y	U	U	12-437	CASA-12-1383	ARSL
R-35a	1013.1	05/23/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.127	0.7728	2.6082	—	pCi/L	Y	U	U	11-2519	CASA-11-10813	ARSL
R-35a	1013.1	11/11/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.0644	0.7084	2.415	—	pCi/L	Y	U	U	11-556	CASA-11-1373	ARSL
R-35a	1013.1	11/11/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	24.4076	3.7996	2.415	—	pCi/L	N	—	R	11-556	CASA-11-1373	ARSL
R-35a	1013.1	05/14/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.161	0.4508	1.5778	—	pCi/L	Y	U	U	10-3221	CASA-10-16779	ARSL
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.693	—	—	0.067	ug/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.701	—	—	0.067	ug/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.626	—	—	0.067	ug/L	Y	—	NQ	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.658	—	—	0.067	ug/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.697	—	—	0.067	ug/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.413	0.0351	0.0615	—	pCi/L	Y	—	NQ	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.476	0.05	0.068	—	pCi/L	Y	—	NQ	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.504	0.063	0.076	—	pCi/L	Y	—	NQ	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.475	0.043	0.058	—	pCi/L	Y	—	NQ	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.435	0.041	0.067	—	pCi/L	Y	—	J-	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00983	0.00867	0.0384	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00651	0.0065	0.041	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0297	0.013	0.06	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0219	0.0083	0.029	—	pCi/L	Y	U	U	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00435	0.0044	0.033	—	pCi/L	Y	U	UJ	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.202	0.0237	0.0418	—	pCi/L	Y	—	NQ	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.176	0.025	0.047	—	pCi/L	Y	—	NQ	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.168	0.031	0.054	—	pCi/L	Y	—	NQ	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.203	0.023	0.036	—	pCi/L	Y	—	NQ	10-376	CASA-10-3827	GELC
R-35a	1013.1	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.159	0.021	0.033	—	pCi/L	Y	—	J-	09-2768	CASA-09-10387	GELC
R-35a	1013.1	11/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	17.5	—	—	1	ug/L	Y	—	NQ	2013-312	CASA-13-24218	GELC
R-35a	1013.1	06/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	17.1	—	—	1	ug/L	Y	—	NQ	12-1345	CASA-12-17136	GELC
R-35a	1013.1	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	17.6	—	—	1	ug/L	Y	—	J	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	17.5	—	—	1	ug/L	Y	—	NQ	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	18.7	—	—	1	ug/L	Y	—	NQ	11-2498	CASA-11-10812	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.85	—	—	0.01	SU	Y	H	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.85	—	—	0.01	SU	Y	H	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.77	—	—	0.01	SU	Y	H	J-	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.85	—	—	0.01	SU	Y	H	J-	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.79	—	—	0.01	SU	Y	H	J-	11-2596	CASA-11-10814	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.1	—	—	0.725	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.6	—	—	0.725	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.6	—	—	0.73	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.2	—	—	0.73	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.6	—	—	0.73	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0027	0.00603	0.0307	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00826	0.0044	0.031	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00377	0.0036	0.034	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00484	0.0074	0.033	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00454	0.0024	0.032	—	pCi/L	Y	U	U	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000568	0.0026	0.029	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	37.7	—	—	1	ug/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	38.2	—	—	1	ug/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	41.3	—	—	1	ug/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.1	—	—	1	ug/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.4	—	—	1	ug/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22	—	—	15	ug/L	Y	J	J	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.5	—	—	15	ug/L	Y	J	J	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.7	—	—	15	ug/L	Y	J	J	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.6	—	—	15	ug/L	Y	J	J	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.5	—	—	15	ug/L	Y	J	J	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0894	—	—	0.067	mg/L	Y	J	J	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0804	—	—	0.066	mg/L	Y	J	J	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0792	—	—	0.066	mg/L	Y	J	J	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.2	—	—	0.05	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.3	—	—	0.05	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.738	1.56	5.66	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.49	1.5	4.6	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.54	1.3	4.9	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.623	1.3	4	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.71	1.5	5.2	—	pCi/L	Y	U	U	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.232	1.4	4.7	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.84	—	—	0.067	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.88	—	—	0.067	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.69	—	—	0.066	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.81	—	—	0.066	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.93	—	—	0.066	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5	—	—	2	ug/L	Y	J	J	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.34	—	—	2	ug/L	Y	J	J	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.4	—	—	2	ug/L	Y	J	J	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.42	—	—	2	ug/L	Y	J	J	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.67	—	—	2	ug/L	Y	J	J	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.83	1.26	5.41	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.34	1.5	5.7	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.602	1.4	5	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.92	1.3	3.3	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.47	1.9	6.3	—	pCi/L	Y	U	U	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.143	1.3	4.4	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.498	—	—	0.033	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.501	—	—	0.033	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.473	—	—	0.033	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.464	—	—	0.033	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.5	—	—	0.033	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.603	0.59	2.13	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.89	1.1	2.6	—	pCi/L	Y	—	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.61	0.96	3	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.146	0.62	2.7	—	pCi/L	Y	U	U	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.44	0.71	2.8	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	04/27/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.213	0.31	1.2	—	pCi/L	Y	U	U	09-1625	CASA-09-8309	GELC
R-35b	825.4	04/27/09	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.539	0.35	1.1	—	pCi/L	Y	U	U	09-1625	CASA-09-8424	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.06	0.724	2.41	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.52	0.94	2.8	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.76	0.86	2.7	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.23	1.1	2.9	—	pCi/L	Y	—	NQ	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.09	0.63	2	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	04/27/09	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.35	0.83	2.4	—	pCi/L	Y	—	NQ	09-1625	CASA-09-8424	GELC
R-35b	825.4	04/27/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.03	0.69	2.1	—	pCi/L	Y	U	U	09-1625	CASA-09-8309	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.1	—	—	0.453	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.2	—	—	0.453	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.5	—	—	0.45	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61	—	—	0.45	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.1	—	—	0.45	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.13	—	—	0.11	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.08	—	—	0.11	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.26	—	—	0.11	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.98	—	—	0.11	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.15	—	—	0.11	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	ug/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.39	—	—	0.165	ug/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.33	—	—	0.17	ug/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.3	—	—	0.17	ug/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.17	ug/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.49	3.02	10.4	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.49	3.5	12	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.86	3	10	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-13.4	9.2	26	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-7.83	13	35	—	pCi/L	Y	U	U	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.06	13	43	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.77	—	—	0.5	ug/L	Y	J	J	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.74	—	—	0.5	ug/L	Y	J	J	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.56	—	—	0.5	ug/L	Y	J	J	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.05	—	—	0.5	ug/L	Y	J	J	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.965	—	—	0.5	ug/L	Y	J	J	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.085	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.2	—	—	0.085	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.21	—	—	0.05	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.18	—	—	0.1	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.18	—	—	0.05	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.591	—	—	0.05	ug/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.622	—	—	0.05	ug/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.581	—	—	0.05	ug/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.545	—	—	0.05	ug/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.616	—	—	0.05	ug/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00574	0.00574	0.0276	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0052	0.0037	0.035	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0033	0.031	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00213	0.0036	0.048	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00474	0.0035	0.026	—	pCi/L	Y	U	U	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00173	0.0067	0.026	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0115	0.00703	0.0458	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0026	0.035	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00469	0.0047	0.032	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.000826	0.0036	0.034	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0111	0.0052	0.026	—	pCi/L	Y	U	U	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0156	0.0057	0.032	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.98	—	—	0.05	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.02	—	—	0.05	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.25	—	—	0.05	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.06	—	—	0.05	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.09	—	—	0.05	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.1	17.2	65.3	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	8.02	20	72	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.2	19	64	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-28	16	46	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35.2	19	74	—	pCi/L	Y	U	U	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.4	19	60	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.6	—	—	0.053	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.8	—	—	0.053	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	83.2	—	—	0.053	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.9	—	—	0.053	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.2	—	—	0.053	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.177	1.73	6.46	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.25	1.3	4.7	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.17	1.8	6.6	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.42	1.3	4.7	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.23	1.5	5.5	—	pCi/L	Y	U	U	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.51	1.5	5.3	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	—	—	1	uS/cm	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	168	—	—	1	uS/cm	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	168	—	—	1	uS/cm	Y	—	NQ	12-317	CASA-12-1386	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	165	—	—	1	uS/cm	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	—	—	1	uS/cm	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67	—	—	1	ug/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	64	—	—	1	ug/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	72.7	—	—	1	ug/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.1	—	—	1	ug/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	65.5	—	—	1	ug/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.174	0.113	0.497	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00708	0.13	0.52	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.186	0.13	0.45	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0108	0.091	0.32	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.129	0.12	0.4	—	pCi/L	Y	U	U	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0119	0.14	0.46	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.63	—	—	0.133	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.64	—	—	0.133	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.49	—	—	0.1	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.43	—	—	0.1	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.75	—	—	0.1	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	2.4	mg/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0863	—	—	0.033	mg/L	Y	J	J	2013-321	CASA-13-24211	GELC
R-35b	825.4	06/06/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1347	CASA-12-17134	GELC
R-35b	825.4	11/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	1	—	—	0.35	mg/L	Y	U	U	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.16	—	—	0.035	mg/L	Y	—	NQ	11-2596	CASA-11-10815	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.311	0.847	2.906	—	pCi/L	Y	U	U	2013-320	CASA-13-24211	ARSL
R-35b	825.4	11/09/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.72	0.69	2.37	—	pCi/L	Y	U	U	12-306	CASA-12-1387	ARSL
R-35b	825.4	06/01/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.0322	0.8372	2.8014	—	pCi/L	Y	U	U	11-2593	CASA-11-10815	ARSL
R-35b	825.4	11/11/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	27.2734	4.2504	2.7048	—	pCi/L	N	—	R	11-556	CASA-11-1374	ARSL
R-35b	825.4	11/11/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.322	0.805	2.7048	—	pCi/L	Y	U	U	11-556	CASA-11-1374	ARSL
R-35b	825.4	05/12/10	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.161	0.5152	1.6744	—	pCi/L	Y	U	U	10-3221	CASA-10-16790	ARSL
R-35b	825.4	05/12/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.3542	0.5152	1.6422	—	pCi/L	Y	U	U	10-3221	CASA-10-16783	ARSL
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.301	—	—	0.067	ug/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.328	—	—	0.067	ug/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.316	—	—	0.067	ug/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.185	—	—	0.067	ug/L	Y	J	J	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.293	—	—	0.067	ug/L	Y	—	U	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.186	0.0279	0.0693	—	pCi/L	Y	—	NQ	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.21	0.028	0.066	—	pCi/L	Y	—	NQ	10-3679	CASA-10-22663	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.236	0.03	0.066	—	pCi/L	Y	—	NQ	10-3679	CASA-10-22690	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.329	0.049	0.082	—	pCi/L	Y	—	NQ	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.222	0.032	0.094	—	pCi/L	Y	—	NQ	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.215	0.026	0.07	—	pCi/L	Y	—	NQ	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0148	0.0104	0.0433	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0045	0.04	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00955	0.0072	0.04	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0352	0.016	0.065	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0046	0.048	—	pCi/L	Y	U	U	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00226	0.006	0.034	—	pCi/L	Y	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.128	0.0205	0.0471	—	pCi/L	Y	—	NQ	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.121	0.02	0.046	—	pCi/L	Y	—	NQ	10-3679	CASA-10-22690	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0824	0.017	0.046	—	pCi/L	Y	—	NQ	10-3679	CASA-10-22663	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.119	0.027	0.058	—	pCi/L	Y	—	NQ	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.089	0.02	0.058	—	pCi/L	Y	—	NQ	10-335	CASA-10-3830	GELC
R-35b	825.4	08/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0733	0.013	0.035	—	pCi/L	Y	—	NQ	09-2779	CASA-09-10392	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.4	—	—	1	ug/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.9	—	—	1	ug/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.7	—	—	1	ug/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.6	—	—	1	ug/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.4	—	—	1	ug/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-35b	825.4	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	30	—	—	3.3	ug/L	Y	—	NQ	2013-321	CASA-13-24219	GELC
R-35b	825.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	29.2	—	—	3.3	ug/L	Y	—	NQ	12-1347	CASA-12-17137	GELC
R-35b	825.4	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	25.2	—	—	3.3	ug/L	Y	—	NQ	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	26.5	—	—	3.3	ug/L	Y	—	NQ	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	28.2	—	—	3.3	ug/L	Y	—	NQ	11-2596	CASA-11-10814	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.49	—	—	0.01	SU	Y	H	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.52	—	—	0.01	SU	Y	H	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.65	—	—	0.01	SU	Y	H	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.44	—	—	0.01	SU	Y	H	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	J-	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.39	—	—	0.01	SU	Y	H	J-	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.5	—	—	0.725	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70	—	—	0.725	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.4	—	—	0.725	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.4	—	—	0.725	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.7	—	—	0.73	mg/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.6	—	—	0.73	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00241	0.0054	0.0275	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.009	0.00712	0.0256	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0233	0.007	0.039	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00834	0.0041	0.027	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0204	0.0075	0.031	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00683	0.0033	0.031	—	pCi/L	Y	U	U	10-376	CASA-10-3854	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00621	0.0038	0.032	—	pCi/L	Y	U	U	10-376	CASA-10-3834	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0371	—	—	0.017	mg/L	Y	J	J	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0375	—	—	0.016	mg/L	Y	J	U	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0608	—	—	0.016	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.9	—	—	1	ug/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.1	—	—	1	ug/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	35.3	—	—	1	ug/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.2	—	—	1	ug/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	35.3	—	—	1	ug/L	Y	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.4	—	—	1	ug/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	Y	9.3	—	—	6.25	ug/L	Y	J	J	2013-322	CASA-13-24212	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	11/14/12	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.3	—	—	6.38	ug/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	11/16/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.7	—	—	6.5	ug/L	Y	U	U	12-365	CASA-12-1388	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22.2	—	—	6.7	ug/L	Y	U	U	10-3649	CASA-10-22702	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	20.8	—	—	6.3	ug/L	Y	U	U	10-1643	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22	—	—	6.6	ug/L	Y	U	U	10-374	CASA-10-3854	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	23	—	—	6.9	ug/L	Y	U	U	10-374	CASA-10-3834	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	21.7	—	—	15	ug/L	Y	J	J	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.2	—	—	15	ug/L	Y	J	J	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	24.1	—	—	15	ug/L	Y	J	J	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.1	—	—	15	ug/L	Y	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.2	—	—	15	ug/L	Y	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.2	—	—	15	ug/L	Y	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.105	—	—	0.067	mg/L	Y	J	J	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0977	—	—	0.067	mg/L	Y	J	J	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0723	—	—	0.067	mg/L	Y	J	J	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0752	—	—	0.066	mg/L	Y	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.101	—	—	0.066	mg/L	Y	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.107	—	—	0.066	mg/L	Y	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.7	—	—	0.05	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.7	—	—	0.05	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.7	—	—	0.05	mg/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.3	—	—	0.05	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.667	1.26	5.07	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.04	1.42	5.54	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	4.48	2.5	4.1	—	pCi/L	Y	UI	R	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.228	1.4	4.7	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.19	1.1	3.8	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0645	1.2	3.8	—	pCi/L	Y	U	U	10-376	CASA-10-3854	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.744	1.1	3.3	—	pCi/L	Y	U	U	10-376	CASA-10-3834	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.79	—	—	0.067	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.78	—	—	0.067	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.89	—	—	0.067	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.75	—	—	0.066	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.05	—	—	0.066	mg/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.85	—	—	0.066	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.78	—	—	2	ug/L	Y	J	J	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.63	—	—	2	ug/L	Y	J	J	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.55	—	—	2	ug/L	Y	J	J	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.74	—	—	2	ug/L	Y	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.35	—	—	2	ug/L	Y	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.48	—	—	2	ug/L	Y	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.89	1.59	4.74	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.571	1.09	4.32	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.706	1.7	5.7	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.74	1.6	6.1	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.19	1.4	4	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.125	1.1	3.5	—	pCi/L	Y	U	U	10-376	CASA-10-3854	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.566	1.1	3.5	—	pCi/L	Y	U	U	10-376	CASA-10-3834	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.533	—	—	0.033	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.545	—	—	0.033	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.537	—	—	0.033	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.542	—	—	0.033	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.402	—	—	0.033	mg/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.496	—	—	0.033	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.123	0.474	2.22	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.302	0.484	2.09	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.264	0.5	2.7	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.46	0.8	2.3	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.29	0.7	2	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.2	0.59	2.6	—	pCi/L	Y	U	U	10-376	CASA-10-3834	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.542	0.42	1.4	—	pCi/L	Y	U	U	10-376	CASA-10-3854	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.97	0.767	2.32	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.13	0.772	2.59	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.59	1.4	3	—	pCi/L	Y	—	NQ	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.16	0.8	2.3	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.22	0.75	2.5	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.49	0.94	2.4	—	pCi/L	Y	—	NQ	10-376	CASA-10-3834	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	7.27	1.4	3.2	—	pCi/L	Y	—	NQ	10-376	CASA-10-3854	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.9	—	—	0.453	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.1	—	—	0.453	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.2	—	—	0.453	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.8	—	—	0.453	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.45	mg/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.3	—	—	0.45	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.4	—	—	0.11	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.35	—	—	0.11	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.48	—	—	0.11	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.2	—	—	0.11	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.39	—	—	0.11	mg/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.38	—	—	0.11	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.07	—	—	2	ug/L	Y	J	J	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.36	—	—	2	ug/L	Y	J	J	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.06	—	—	2	ug/L	Y	J	J	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.55	—	—	2	ug/L	Y	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.05	—	—	2	ug/L	Y	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	ug/L	Y	U	U	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.78	—	—	0.165	ug/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.78	—	—	0.165	ug/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.75	—	—	0.165	ug/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.91	—	—	0.165	ug/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.82	—	—	0.17	ug/L	Y	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.23	—	—	0.17	ug/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.694	3.03	10.9	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.626	2.86	10.5	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.768	2.6	8.5	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.311	3	9.6	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.95	9.3	30	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.28	9.9	28	—	pCi/L	Y	U	U	10-376	CASA-10-3834	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	7.1	9.7	31	—	pCi/L	Y	U	U	10-376	CASA-10-3854	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.62	—	—	0.5	ug/L	Y	J	J	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.59	—	—	0.5	ug/L	Y	J	J	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.13	—	—	0.5	ug/L	Y	J	J	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.19	—	—	0.5	ug/L	Y	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.601	—	—	0.5	ug/L	Y	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.71	—	—	0.5	ug/L	Y	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.3	—	—	0.085	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.26	—	—	0.085	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.25	—	—	0.085	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.25	—	—	0.05	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.14	—	—	0.1	mg/L	N	—	R	12-366	CASA-12-1390	GELC
R-36	766.9	11/16/11	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.29	—	—	0.085	mg/L	Y	H	NQ	12-366-1	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.26	—	—	0.1	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.63	—	—	0.1	ug/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.59	—	—	0.1	ug/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.7	—	—	0.1	ug/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.58	—	—	0.2	ug/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.845	—	—	0.05	ug/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.55	—	—	0.25	ug/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00277	0.0048	0.0266	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00382	0.026	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0111	0.0056	0.037	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.002	0.031	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.002	0.033	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00438	0.0098	0.036	—	pCi/L	Y	U	U	10-376	CASA-10-3834	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.011	0.011	0.036	—	pCi/L	Y	U	U	10-376	CASA-10-3854	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00277	0.00619	0.0442	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0054	0.0431	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00556	0.0056	0.038	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00197	0.0044	0.029	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00195	0.0034	0.023	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00441	0.007	0.036	—	pCi/L	Y	U	U	10-376	CASA-10-3854	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00657	0.0066	0.036	—	pCi/L	Y	U	U	10-376	CASA-10-3834	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.98	—	—	0.05	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.96	—	—	0.05	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.05	—	—	0.05	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.01	—	—	0.05	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.03	—	—	0.05	mg/L	Y	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.03	—	—	0.05	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17.2	19.7	70.5	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-2.12	17.1	66.9	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.5	20	71	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.52	21	73	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16.7	15	55	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	24.1	17	35	—	pCi/L	Y	U	U	10-376	CASA-10-3854	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-26.2	16	51	—	pCi/L	Y	U	U	10-376	CASA-10-3834	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.8	—	—	0.053	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.5	—	—	0.053	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.5	—	—	0.053	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.6	—	—	0.053	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.4	—	—	0.053	mg/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15	—	—	0.1	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.9	—	—	0.1	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.2	—	—	0.1	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.6	—	—	0.1	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.3	—	—	0.1	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.16	1.3	3.8	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.918	1.26	5.55	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.04	1.3	4.6	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.26	1.4	3.9	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.86	1.1	4.6	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.78	1.2	3.5	—	pCi/L	Y	U	U	10-376	CASA-10-3854	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.873	1.2	4.2	—	pCi/L	Y	U	U	10-376	CASA-10-3834	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	uS/cm	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	uS/cm	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	uS/cm	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	1	uS/cm	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	222	—	—	1	uS/cm	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	196	—	—	1	uS/cm	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.2	—	—	1	ug/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.9	—	—	1	ug/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	71.1	—	—	1	ug/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70	—	—	1	ug/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	71.7	—	—	1	ug/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	72.4	—	—	1	ug/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0473	0.127	0.475	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0566	0.12	0.481	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.185	0.086	0.41	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.327	0.15	0.47	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0752	0.12	0.41	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.181	0.13	0.49	—	pCi/L	Y	U	U	10-376	CASA-10-3834	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.14	0.13	0.48	—	pCi/L	Y	U	U	10-376	CASA-10-3854	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7	—	—	0.133	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.94	—	—	0.133	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.9	—	—	0.133	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.76	—	—	0.1	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.82	—	—	0.1	mg/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.65	—	—	0.1	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	—	—	3.4	mg/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	193	—	—	3.4	mg/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0863	—	—	0.033	mg/L	Y	J	J	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0339	—	—	0.033	mg/L	Y	J	J	2013-322	CASA-13-24206	GELC
R-36	766.9	05/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1325	CASA-12-17135	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	03/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1064	CASA-12-12037	GELC
R-36	766.9	11/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-365	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	11-3206	CASA-11-24789	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.547	—	—	0.33	mg/L	Y	J	J	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.584	—	—	0.33	mg/L	Y	J	J	2013-322	CASA-13-24206	GELC
R-36	766.9	05/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.698	—	—	0.33	mg/L	Y	J	J	12-1325	CASA-12-17135	GELC
R-36	766.9	03/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.675	—	—	0.33	mg/L	Y	J	J	12-1064	CASA-12-12037	GELC
R-36	766.9	11/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-365	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.63	—	—	0.33	mg/L	Y	J	J	11-3206	CASA-11-24789	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0213	—	—	0.017	mg/L	Y	J	J	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0297	—	—	0.017	mg/L	Y	J	J	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0189	—	—	0.015	mg/L	Y	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.157	—	—	0.015	mg/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	12.281	2.075	2.547	—	pCi/L	Y	—	NQ	2013-362	CASA-13-24212	ARSL
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	15.346	2.521	2.643	—	pCi/L	Y	—	NQ	2013-362	CASA-13-24206	ARSL
R-36	766.9	11/16/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	12.08	2.02	2.31	—	pCi/L	Y	—	NQ	12-414	CASA-12-1388	ARSL
R-36	766.9	06/02/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	16.0678	2.6404	2.8658	—	pCi/L	Y	—	J	11-2626	CASA-11-10816	ARSL
R-36	766.9	11/11/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	21.3808	3.3488	2.3184	—	pCi/L	Y	—	NQ	11-556	CASA-11-1376	ARSL
R-36	766.9	11/11/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	93.7986	14.1358	2.3184	—	pCi/L	N	—	R	11-556	CASA-11-1376	ARSL
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	13.0732	2.093	1.8032	—	pCi/L	Y	—	NQ	10-3221	CASA-10-16793	ARSL
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.301	—	—	0.067	ug/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.298	—	—	0.067	ug/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.289	—	—	0.067	ug/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.318	—	—	0.067	ug/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.315	—	—	0.067	ug/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.322	—	—	0.067	ug/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.195	0.0277	0.0628	—	pCi/L	Y	—	NQ	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.241	0.0291	0.0635	—	pCi/L	Y	—	NQ	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.268	0.041	0.14	—	pCi/L	Y	—	NQ	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.261	0.03	0.034	—	pCi/L	Y	—	NQ	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.239	0.031	0.079	—	pCi/L	Y	—	NQ	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.268	0.031	0.074	—	pCi/L	Y	—	NQ	10-376	CASA-10-3854	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.25	0.027	0.064	—	pCi/L	Y	—	NQ	10-376	CASA-10-3834	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00669	0.00669	0.0392	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0102	0.00896	0.0397	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0059	0.065	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0127	0.0068	0.031	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0035	0.045	—	pCi/L	Y	U	U	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0128	0.0085	0.038	—	pCi/L	Y	U	U	10-376	CASA-10-3854	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.011	0.0059	0.032	—	pCi/L	Y	U	U	10-376	CASA-10-3834	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0986	0.0178	0.0431	—	pCi/L	Y	—	NQ	2013-322	CASA-13-24206	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0975	0.0171	0.0426	—	pCi/L	Y	—	NQ	2013-322	CASA-13-24212	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.119	0.025	0.083	—	pCi/L	Y	—	NQ	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.105	0.017	0.031	—	pCi/L	Y	—	NQ	10-3152	CASA-10-16793	GELC
R-36	766.9	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.113	0.02	0.051	—	pCi/L	Y	—	NQ	10-1644	CASA-10-9493	GELC
R-36	766.9	11/04/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0786	0.017	0.046	—	pCi/L	Y	—	NQ	10-376	CASA-10-3854	GELC
R-36	766.9	11/04/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.116	0.017	0.039	—	pCi/L	Y	—	NQ	10-376	CASA-10-3834	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.3	—	—	1	ug/L	Y	—	NQ	2013-322	CASA-13-24207	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	15.1	—	—	1	ug/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	15.2	—	—	1	ug/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	15	—	—	1	ug/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.7	—	—	1	ug/L	Y	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.5	—	—	1	ug/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	53.5	—	—	3.3	ug/L	Y	—	NQ	2013-322	CASA-13-24220	GELC
R-36	766.9	11/14/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	50.8	—	—	3.3	ug/L	Y	—	NQ	2013-322	CASA-13-24207	GELC
R-36	766.9	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	49.1	—	—	3.3	ug/L	Y	—	NQ	12-1325	CASA-12-17138	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	50.6	—	—	3.3	ug/L	Y	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	50.7	—	—	3.3	ug/L	Y	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	56.5	—	—	3.3	ug/L	Y	—	NQ	11-3206	CASA-11-24788	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.74	—	—	0.01	SU	Y	H	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.75	—	—	0.01	SU	Y	H	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.55	—	—	0.01	SU	Y	H	J-	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00286	0.00756	0.0325	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00568	0.0389	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00446	0.003	0.037	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0033	0.0074	0.029	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0167	0.0081	0.04	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	Y	1.26	—	—	1	ug/L	Y	J	J	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	3	—	—	1	ug/L	Y	U	U	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	Y	1.04	—	—	1	ug/L	Y	J	J	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	3	—	—	1	ug/L	Y	U	U	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	3	—	—	1	ug/L	Y	U	U	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	93.3	—	—	1	ug/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	87.8	—	—	1	ug/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	95.1	—	—	1	ug/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	95.5	—	—	1	ug/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	95.4	—	—	1	ug/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.2	—	—	15	ug/L	Y	J	J	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19	—	—	15	ug/L	Y	J	J	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.9	—	—	15	ug/L	Y	J	J	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.6	—	—	15	ug/L	Y	J	J	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.9	—	—	15	ug/L	Y	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.257	—	—	0.067	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.215	—	—	0.067	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.244	—	—	0.067	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.217	—	—	0.066	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.221	—	—	0.066	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	51.3	—	—	0.05	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	48.8	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	52.1	—	—	0.05	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	52.5	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	54.3	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.508	1.71	6.24	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.31	1.37	5.5	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.699	1.4	4.5	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.16	1.5	4.5	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.22	1.5	5.1	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	41.9	—	—	0.335	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	37.8	—	—	0.67	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	38.7	—	—	0.67	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39.1	—	—	0.33	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	40.3	—	—	0.33	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	1010	—	—	40	ug/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	1070	—	—	40	ug/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	894	—	—	2	ug/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	969	—	—	2	ug/L	Y	—	J+	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	935	—	—	2	ug/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.544	1.58	5.82	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.257	1.4	5.68	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.559	1.2	4.1	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.76	1.8	5.4	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.58	1.4	5	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.283	—	—	0.033	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.268	—	—	0.033	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.271	—	—	0.033	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.277	—	—	0.033	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.265	—	—	0.033	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.526	0.703	2.64	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.106	0.385	2.17	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.54	0.93	2.6	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.23	0.79	2.5	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.736	0.65	2.3	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.769	0.7	2.44	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.37	0.619	1.95	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	22.2	2.5	2.9	—	pCi/L	Y	—	NQ	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.55	0.72	2.2	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.55	0.93	2.7	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	187	—	—	0.453	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	179	—	—	0.453	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	190	—	—	0.453	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	193	—	—	0.453	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	198	—	—	0.45	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.4	—	—	0.11	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	13.8	—	—	0.11	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.5	—	—	0.11	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.619	—	—	0.165	ug/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.523	—	—	0.165	ug/L	Y	—	U	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.493	—	—	0.165	ug/L	Y	J	J	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.554	—	—	0.165	ug/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.497	—	—	0.17	ug/L	Y	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.57	3.24	11.4	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.32	2.96	10.4	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.49	3.2	9.7	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.14	3.3	11	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	19.9	10	35	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	23.4	—	—	0.5	ug/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	24.4	—	—	0.5	ug/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	25.6	—	—	0.5	ug/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	25.9	—	—	0.5	ug/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	20.8	—	—	0.5	ug/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.61	—	—	0.17	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.55	—	—	0.085	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	6.08	—	—	0.17	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.75	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	6.56	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.19	—	—	0.1	ug/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.34	—	—	0.1	ug/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.4	—	—	0.1	ug/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.31	—	—	0.1	ug/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.22	—	—	0.1	ug/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00723	0.00723	0.0347	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00259	0.00448	0.0174	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0024	0.032	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00456	0.0056	0.036	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00234	0.0023	0.041	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00511	0.0577	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00258	0.00578	0.0311	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00238	0.0041	0.032	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00912	0.0051	0.034	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00468	0.0047	0.028	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.28	—	—	0.05	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.45	—	—	0.05	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.53	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.68	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-34.6	16	53	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.9	17.1	71.1	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35.6	19	71	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.54	20	69	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.1	18	61	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.8	—	—	0.053	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	0.0725	—	—	0.053	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.2	—	—	0.053	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.5	—	—	0.053	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.6	—	—	0.053	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.8	—	—	0.1	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.2	—	—	0.1	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.7	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.711	1.44	5.3	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.61	1.61	6.54	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.14	1.7	5	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.68	1.8	7	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.192	1.5	5	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	488	—	—	1	uS/cm	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	478	—	—	1	uS/cm	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	480	—	—	1	uS/cm	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	465	—	—	1	uS/cm	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	473	—	—	1	uS/cm	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	195	—	—	1	ug/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	188	—	—	1	ug/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	200	—	—	1	ug/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	203	—	—	1	ug/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	208	—	—	1	ug/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.235	0.145	0.481	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0216	0.137	0.479	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.343	0.15	0.47	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0939	0.13	0.47	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0315	0.087	0.32	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	77.7	—	—	0.665	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	71.6	—	—	1.33	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	73.4	—	—	1.33	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	73.9	—	—	0.5	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	75.4	—	—	0.5	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	347	—	—	3.4	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	321	—	—	3.4	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	346	—	—	3.4	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	350	—	—	3.4	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	351	—	—	3.4	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	4.03	—	—	0.085	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.071	—	—	0.017	mg/L	Y	—	U	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.019	—	—	0.017	mg/L	Y	J	J	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0268	—	—	0.015	mg/L	Y	J	J	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	317	52	157	—	pCi/L	Y	—	NQ	2013-259	CAMO-13-24244	GELC
R-42	931.8	11/10/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	315	71	170	—	pCi/L	Y	—	NQ	12-323	CAMO-12-1491	GELC
R-42	931.8	05/31/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	208.559	31.395	2.9302	—	pCi/L	Y	—	NQ	11-2581	CAMO-11-10717	ARSL
R-42	931.8	11/10/10	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	329.752	75.3901	234.227	—	pCi/L	N	—	R	11-474	CAMO-11-1273	ARSL
R-42	931.8	11/10/10	WG	UF	RE	REG	RAD	EPA:906.0	Tritium	H-3	Y	329.752	75.3901	234.227	—	pCi/L	Y	—	NQ	11-474	CAMO-11-1273	ARSL
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	148.435	80.1402	261.649	—	pCi/L	Y	U	U	10-3219	CAMO-10-16822	ARSL
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.812	—	—	0.067	ug/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.798	—	—	0.067	ug/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.825	—	—	0.067	ug/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.822	—	—	0.067	ug/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.702	—	—	0.067	ug/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.59	0.0449	0.0704	—	pCi/L	Y	—	NQ	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.591	0.0387	0.0609	—	pCi/L	Y	—	NQ	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.544	0.053	0.062	—	pCi/L	Y	—	NQ	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.46	0.046	0.037	—	pCi/L	Y	—	NQ	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.56	0.067	0.075	—	pCi/L	Y	—	NQ	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00919	0.044	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0197	0.00845	0.0393	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00899	0.0052	0.038	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0168	0.008	0.034	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0234	0.012	0.059	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.222	0.0273	0.0478	—	pCi/L	Y	—	NQ	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.251	0.0241	0.0309	—	pCi/L	Y	—	NQ	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.177	0.024	0.043	—	pCi/L	Y	—	NQ	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.175	0.025	0.034	—	pCi/L	Y	—	NQ	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.217	0.036	0.053	—	pCi/L	Y	—	NQ	10-1807	CAMO-10-9357	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.37	—	—	1	ug/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.06	—	—	1	ug/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.74	—	—	1	ug/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.68	—	—	1	ug/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.92	—	—	1	ug/L	Y	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.78	—	—	3.3	ug/L	Y	J	J	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.64	—	—	3.3	ug/L	Y	J	J	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.9	—	—	3.3	ug/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.6	—	—	3.3	ug/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.72	—	—	3.3	ug/L	Y	J	J	12-323	CAMO-12-1490	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	—	—	0.01	SU	Y	H	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	J-	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.8	—	—	0.725	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	42.3	—	—	0.725	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.9	—	—	0.725	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50.3	—	—	0.725	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.2	—	—	0.73	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0062	0.00677	0.0254	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0128	0.00904	0.0438	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00121	0.003	0.04	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00736	0.0034	0.021	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00131	0.0034	0.033	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0329	—	—	0.017	mg/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.101	—	—	0.017	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0673	—	—	0.017	mg/L	Y	—	U	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.102	—	—	0.016	mg/L	Y	—	U	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0177	—	—	0.016	mg/L	Y	J	J	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23	—	—	1	ug/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.1	—	—	1	ug/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.3	—	—	1	ug/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.3	—	—	1	ug/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.7	—	—	1	ug/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0975	—	—	0.067	mg/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0793	—	—	0.067	mg/L	Y	J	J	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.08	—	—	0.066	mg/L	Y	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.127	—	—	0.066	mg/L	Y	J	J	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.1	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.4	—	—	0.05	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.7	—	—	0.05	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.677	1.4	5.02	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.871	1.26	4.49	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.736	1.5	4.8	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.94	1.5	5.1	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.03	1.6	5	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.26	—	—	0.067	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.11	—	—	0.067	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.16	—	—	0.067	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.88	—	—	0.066	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.56	—	—	0.066	mg/L	Y	—	J+	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	49.6	—	—	2	ug/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	42.2	—	—	2	ug/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	34.5	—	—	2	ug/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	37.4	—	—	2	ug/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	37	—	—	10	ug/L	N	J	R	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/15/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	32.4	—	—	2	ug/L	Y	—	NQ	12-346-1	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.33	1.29	5.62	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.42	1.19	5.6	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.614	1.5	5.1	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.46	1.5	4.2	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.59	1.7	5.1	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.406	—	—	0.033	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.398	—	—	0.033	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.388	—	—	0.033	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.377	—	—	0.033	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.307	0.743	2.87	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.248	0.295	2.08	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	6.9	1.6	2.7	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.31	0.39	2.3	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.54	1	2.5	—	pCi/L	Y	—	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.317	0.738	2.68	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.19	0.717	2.37	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.34	0.87	2.9	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.12	0.75	2.5	—	pCi/L	Y	—	NQ	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.721	0.81	2.7	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.1	—	—	0.453	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.9	—	—	0.453	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.2	—	—	0.453	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.8	—	—	0.453	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.5	—	—	0.45	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	57.5	—	—	30	ug/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	ug/L	Y	U	U	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	ug/L	Y	U	U	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	ug/L	Y	U	U	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	ug/L	Y	U	U	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.07	—	—	0.11	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.11	—	—	0.11	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.85	—	—	0.11	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4	—	—	0.11	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.64	—	—	0.11	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.53	—	—	2	ug/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.33	—	—	2	ug/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	ug/L	Y	U	U	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	ug/L	Y	U	U	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	ug/L	Y	U	U	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.31	—	—	0.165	ug/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.165	ug/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	ug/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.165	ug/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.17	ug/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.83	2.78	8.94	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0705	2.61	9.25	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.38	2.8	9.3	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.47	3	9.9	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	8.78	16	52	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.21	—	—	0.5	ug/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.24	—	—	0.5	ug/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.7	—	—	0.5	ug/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.68	—	—	0.5	ug/L	Y	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	10	—	—	2.5	ug/L	Y	U	U	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.35	—	—	0.085	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.92	—	—	0.17	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.14	—	—	0.17	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.56	—	—	0.1	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.14	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.905	—	—	0.1	ug/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.99	—	—	0.1	ug/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.988	—	—	0.1	ug/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.966	—	—	0.05	ug/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.94	—	—	0.1	ug/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0038	0.0276	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00486	0.0134	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0114	0.0094	0.03	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00477	0.0034	0.038	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0174	0.007	0.033	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00467	0.00504	0.0456	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00198	0.00525	0.0239	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00227	0.0068	0.031	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00477	0.0058	0.035	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00194	0.0043	0.022	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.37	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.34	—	—	0.05	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.68	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.92	17.2	63.5	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22	15.3	64.1	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.876	17	57	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-55	19	52	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.8	24	83	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.07	—	—	1.5	ug/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.05	—	—	1.5	ug/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.25	—	—	1.5	ug/L	Y	J	J	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.04	—	—	1.5	ug/L	Y	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	ug/L	Y	U	U	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.6	—	—	0.053	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.5	—	—	0.053	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.1	—	—	0.053	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.2	—	—	0.053	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.9	—	—	0.053	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.9	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.44	0.927	3.12	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.34	1.29	4.23	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.421	1.6	5.3	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.659	1.4	4.8	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.101	1.8	6.1	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	uS/cm	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	uS/cm	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	178	—	—	1	uS/cm	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	182	—	—	1	uS/cm	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	175	—	—	1	uS/cm	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	69.9	—	—	1	ug/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.6	—	—	1	ug/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	66.4	—	—	1	ug/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	68.7	—	—	1	ug/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	102	—	—	1	ug/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0196	0.115	0.442	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0796	0.146	0.494	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.111	0.13	0.48	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00616	0.13	0.48	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.119	0.13	0.45	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.3	—	—	0.133	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.8	—	—	0.133	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.7	—	—	0.133	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	169	—	—	3.4	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	190	—	—	3.4	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	186	—	—	3.4	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.506	—	—	0.33	mg/L	Y	J	J	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.782	—	—	0.33	mg/L	Y	J	J	12-1496	CASA-12-21644	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	05/22/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-1315	CASA-12-14058	GELC
R-43 S1	903.9	03/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.773	—	—	0.33	mg/L	Y	J	J	12-1075	CASA-12-11710	GELC
R-43 S1	903.9	11/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.61	—	—	0.33	mg/L	Y	J	J	12-345	CASA-12-1391	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.052	—	—	0.017	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0459	—	—	0.017	mg/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0326	—	—	0.017	mg/L	Y	J	J	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.104	—	—	0.015	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0216	—	—	0.015	mg/L	Y	J	J	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.793	1.005	3.46	—	pCi/L	Y	U	U	2013-293	CASA-13-24213	ARSL
R-43 S1	903.9	11/15/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.27	0.66	2.25	—	pCi/L	Y	U	U	12-347	CASA-12-1391	ARSL
R-43 S1	903.9	05/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.2576	0.7406	2.4472	—	pCi/L	Y	U	U	11-2519	CASA-11-10818	ARSL
R-43 S1	903.9	11/16/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	25.2448	3.9284	2.5116	—	pCi/L	N	—	R	11-556	CASA-11-1379	ARSL
R-43 S1	903.9	11/16/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.2898	0.7406	2.5116	—	pCi/L	Y	U	U	11-556	CASA-11-1379	ARSL
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.449	0.5474	1.6422	—	pCi/L	N	U	R	10-3122	CASA-10-16795	ARSL
R-43 S1	903.9	05/10/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.97	0.48	1.64	—	pCi/L	Y	U	U	10-3122	CASA-10-16795	ARSL
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.123	—	—	0.067	ug/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.095	—	—	0.067	ug/L	Y	J	U	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.116	—	—	0.067	ug/L	Y	J	J	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.104	—	—	0.067	ug/L	Y	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.076	—	—	0.067	ug/L	Y	J	J	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0741	0.0167	0.0669	—	pCi/L	Y	—	J	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0962	0.0227	0.0902	—	pCi/L	Y	—	NQ	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0578	0.011	0.043	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0921	0.017	0.042	—	pCi/L	Y	—	NQ	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.106	0.018	0.076	—	pCi/L	Y	—	NQ	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00476	0.042	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.00933	0.0582	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0102	0.0055	0.026	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00316	0.0032	0.038	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00334	0.0034	0.043	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.034	0.0114	0.0455	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.054	0.0151	0.0458	—	pCi/L	Y	—	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0398	0.0095	0.03	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0332	0.01	0.038	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0433	0.012	0.049	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.04	—	—	1	ug/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.45	—	—	1	ug/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.07	—	—	1	ug/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.35	—	—	1	ug/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.72	—	—	1	ug/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.89	—	—	3.3	ug/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.86	—	—	3.3	ug/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	5.68	—	—	3.3	ug/L	Y	J	U	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.36	—	—	3.3	ug/L	Y	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	ug/L	Y	U	U	12-346	CASA-12-1393	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.83	—	—	0.01	SU	Y	H	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.71	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.49	—	—	0.01	SU	Y	H	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.63	—	—	0.01	SU	Y	H	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.64	—	—	0.01	SU	Y	H	J-	12-346	CASA-12-1395	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.63	—	—	0.01	SU	Y	H	J-	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.44	—	—	0.725	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	10.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	7.25	—	—	0.725	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	7.18	—	—	0.725	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	9.15	—	—	0.73	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	9.15	—	—	0.73	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.6	—	—	0.725	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.3	—	—	0.725	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.6	—	—	0.725	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.9	—	—	0.73	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.9	—	—	0.73	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00757	0.00719	0.0254	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00384	0.00719	0.0263	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00526	0.0072	0.037	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0029	0.0021	0.022	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00867	0.0065	0.046	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0298	—	—	0.017	mg/L	Y	J	J	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0294	—	—	0.017	mg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0536	—	—	0.017	mg/L	Y	—	U	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0924	—	—	0.016	mg/L	Y	—	U	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0174	—	—	0.016	mg/L	Y	J	J	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.6	—	—	1	ug/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.1	—	—	1	ug/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16	—	—	1	ug/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.4	—	—	1	ug/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	N	5	—	—	1	ug/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.3	—	—	1	ug/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	37.2	—	—	15	ug/L	Y	J	J	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	38.6	—	—	15	ug/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	35.2	—	—	15	ug/L	Y	J	J	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	35.9	—	—	15	ug/L	Y	J	J	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	23.7	—	—	15	ug/L	Y	J	J	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	36.8	—	—	15	ug/L	Y	J	J	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.074	—	—	0.067	mg/L	Y	J	J	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0701	—	—	0.066	mg/L	Y	J	J	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0779	—	—	0.066	mg/L	Y	J	J	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.1	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.6	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	N	0.2	—	—	0.05	mg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.62	1.35	4.71	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.416	1.23	4.47	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.702	1.4	4.4	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.767	1.4	4.5	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0096	1.6	5.2	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.87	—	—	0.067	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.72	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.7	—	—	0.067	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.51	—	—	0.066	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.39	—	—	0.066	mg/L	Y	—	J+	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.37	—	—	0.066	mg/L	Y	—	J+	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.45	—	—	2	ug/L	Y	J	J	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.85	—	—	2	ug/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.45	—	—	2	ug/L	Y	J	J	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.64	—	—	2	ug/L	Y	J	J	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	RE	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.43	—	—	2	ug/L	Y	J	J	12-346-1	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	50	—	—	10	ug/L	N	U	R	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.3	—	—	2	ug/L	Y	J	J	12-346-1	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	50	—	—	10	ug/L	N	U	R	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.326	1.53	5.52	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.423	1.19	4.5	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.614	1.4	4.3	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.3	1.3	4.6	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.431	1.6	5.4	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.347	—	—	0.033	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.337	—	—	0.033	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.345	—	—	0.033	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.33	—	—	0.033	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.334	—	—	0.033	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2	0.977	2.96	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.69	0.617	2.26	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.663	0.71	2.7	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	3.05	1.1	2.3	—	pCi/L	Y	—	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.05	0.75	2.5	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.13	0.785	2.36	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.81	0.738	2.34	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.84	0.91	2.9	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.07	0.76	2.5	—	pCi/L	Y	—	NQ	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.49	0.86	2.6	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63	—	—	0.453	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.8	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.4	—	—	0.453	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.6	—	—	0.453	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.1	—	—	0.45	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	N	1.24	—	—	0.45	mg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.92	—	—	0.11	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.68	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.43	—	—	0.11	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.42	—	—	0.11	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	N	0.3	—	—	0.11	mg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.39	—	—	0.11	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.54	—	—	0.165	ug/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.57	—	—	0.165	ug/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.41	—	—	0.165	ug/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	—	0.165	ug/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.76	—	—	0.17	ug/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.68	—	—	0.17	ug/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.692	2.52	9.14	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.84	2.27	8.48	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.182	2.8	8.9	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.64	2.7	8.6	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.53	13	41	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.745	—	—	0.5	ug/L	Y	J	J	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.695	—	—	0.5	ug/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.638	—	—	0.5	ug/L	Y	J	J	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.695	—	—	0.5	ug/L	Y	J	J	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	10	—	—	2.5	ug/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	10	—	—	2.5	ug/L	Y	U	U	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.08	—	—	0.017	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	—	—	0.085	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.085	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.04	—	—	0.05	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.6	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.63	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.472	—	—	0.05	ug/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.497	—	—	0.05	ug/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.422	—	—	0.05	ug/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.438	—	—	0.05	ug/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.454	—	—	0.05	ug/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.421	—	—	0.05	ug/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00337	0.0053	0.0232	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00653	0.0179	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00187	0.0032	0.025	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00194	0.0019	0.031	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00214	0.003	0.036	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00669	0.0073	0.0383	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00799	0.00596	0.0321	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0131	0.0062	0.025	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00776	0.0048	0.029	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00642	0.0048	0.025	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.44	—	—	0.05	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.64	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	N	0.15	—	—	0.05	mg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.7	15.8	47.1	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35.6	13.7	46.7	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.0522	19	67	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	36.2	16	60	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	25	25	88	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.9	—	—	0.053	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.2	—	—	0.053	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.6	—	—	0.053	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	2.45	—	—	0.053	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.2	—	—	0.1	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	0.267	—	—	0.1	mg/L	Y	J	J	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.54	1.11	4.8	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0861	1.15	4.53	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.112	1.1	3.7	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.957	1.2	4.1	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.921	1.5	5.1	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	—	1	uS/cm	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	186	—	—	1	uS/cm	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	—	—	1	uS/cm	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	1	uS/cm	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	uS/cm	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	uS/cm	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	107	—	—	1	ug/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	uS/cm	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	107	—	—	1	ug/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	103	—	—	1	ug/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	95.3	—	—	1	ug/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	94.9	—	—	1	ug/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	98.3	—	—	1	ug/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	N	5	—	—	1	ug/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0515	0.123	0.463	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.27	0.131	0.495	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.186	0.14	0.48	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	RE	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.187	0.12	0.5	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	0.889	0.19	0.43	—	pCi/L	N	—	R	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0611	0.12	0.44	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.59	—	—	0.133	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.15	—	—	0.133	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.15	—	—	0.133	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.96	—	—	0.1	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.01	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.98	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	—	3.4	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0243	—	—	0.017	mg/L	Y	J	J	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0197	—	—	0.017	mg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.042	—	—	0.017	mg/L	Y	J	J	12-1315	CASA-12-14064	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0984	—	—	0.015	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0192	—	—	0.015	mg/L	Y	J	J	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.108	0.678	2.159	—	pCi/L	Y	U	U	2013-293	CASA-13-24214	ARSL
R-43 S2	969.1	11/15/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.69	0.68	2.34	—	pCi/L	Y	U	U	12-347	CASA-12-1397	ARSL
R-43 S2	969.1	11/15/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.47	0.7	2.32	—	pCi/L	Y	U	U	12-347	CASA-12-1396	ARSL
R-43 S2	969.1	05/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.5474	0.7406	2.5438	—	pCi/L	Y	U	U	11-2519	CASA-11-10820	ARSL
R-43 S2	969.1	11/16/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	26.9514	4.186	2.6726	—	pCi/L	N	—	R	11-556	CASA-11-1380	ARSL
R-43 S2	969.1	11/16/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.483	0.805	2.6726	—	pCi/L	Y	U	U	11-556	CASA-11-1380	ARSL
R-43 S2	969.1	05/10/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.22	0.58	1.74	—	pCi/L	Y	—	U	10-3122	CASA-10-16799	ARSL
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.7996	0.8694	2.093	—	pCi/L	N	—	R	10-3122	CASA-10-16799	ARSL
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.11	—	—	0.067	ug/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.02	—	—	0.067	ug/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.02	—	—	0.067	ug/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.998	—	—	0.067	ug/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.05	—	—	0.067	ug/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.04	—	—	0.067	ug/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.824	0.0513	0.0702	—	pCi/L	Y	—	NQ	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.803	0.0537	0.0889	—	pCi/L	Y	—	NQ	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.12	0.089	0.045	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.08	0.098	0.05	—	pCi/L	Y	—	NQ	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.17	0.1	0.072	—	pCi/L	Y	—	NQ	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.015	0.00917	0.0439	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0123	0.0136	0.0574	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0756	0.014	0.027	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0191	0.01	0.046	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0319	0.01	0.041	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.318	0.033	0.0477	—	pCi/L	Y	—	NQ	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.309	0.0328	0.0451	—	pCi/L	Y	—	NQ	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.446	0.042	0.031	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.423	0.048	0.046	—	pCi/L	Y	—	NQ	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.426	0.045	0.047	—	pCi/L	Y	—	NQ	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.95	—	—	1	ug/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.09	—	—	1	ug/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.12	—	—	1	ug/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.04	—	—	1	ug/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.68	—	—	1	ug/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	ug/L	Y	U	U	12-346	CASA-12-1398	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.85	—	—	0.01	SU	Y	H	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	J-	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	J-	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.81	—	—	0.01	SU	Y	H	J-	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.5	—	—	0.725	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.4	—	—	0.725	mg/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60	—	—	0.73	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57	—	—	0.73	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.1	—	—	0.73	mg/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00252	0.00564	0.0287	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00224	0.005	0.035	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000264	0.0021	0.021	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0136	0.008	0.039	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00124	0.0023	0.031	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.053	—	—	0.017	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.1	—	—	0.017	mg/L	Y	—	U	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0438	—	—	0.016	mg/L	Y	J	U	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.3	—	—	1	ug/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	20.5	—	—	1	ug/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.2	—	—	1	ug/L	Y	—	J	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	20.6	—	—	1	ug/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.2	—	—	1	ug/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.5	—	—	15	ug/L	Y	J	J	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	ug/L	Y	U	U	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	ug/L	Y	U	U	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.9	—	—	15	ug/L	Y	J	J	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.6	—	—	15	ug/L	Y	J	J	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.6	—	—	0.05	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.5	—	—	0.05	mg/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.1	—	—	0.05	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.6	—	—	0.05	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.9	—	—	0.05	mg/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.293	1.42	5.13	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.39	1.6	5.6	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.737	1.6	5.4	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.5	1.8	6.1	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.26	1.5	4.4	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.32	—	—	0.067	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.29	—	—	0.067	mg/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.15	—	—	0.066	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.17	—	—	0.066	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.16	—	—	0.066	mg/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	14.5	—	—	2	ug/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	17.5	—	—	2	ug/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	14.9	—	—	2	ug/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	12.6	—	—	2	ug/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	14.2	—	—	2	ug/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.671	1.13	4.26	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.239	1.4	4.7	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.584	1.3	4	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.516	1.5	5.1	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.789	1.4	4.8	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.32	—	—	0.033	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.325	—	—	0.033	mg/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.28	—	—	0.033	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.293	—	—	0.033	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.282	—	—	0.033	mg/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1	0.706	2.36	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.227	0.54	2.2	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.836	0.7	2.5	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0278	0.63	2.7	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.595	0.64	2.4	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.56	0.933	2.82	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.404	0.64	2.6	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.112	0.66	2.5	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.578	0.56	2.4	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.463	0.79	2.8	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.9	—	—	0.453	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.5	—	—	0.453	mg/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.5	—	—	0.45	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.6	—	—	0.45	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47	—	—	0.45	mg/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.91	—	—	0.11	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.49	—	—	0.11	mg/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.18	—	—	0.11	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.44	—	—	0.11	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.59	—	—	0.11	mg/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.879	—	—	0.165	ug/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.856	—	—	0.165	ug/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.903	—	—	0.17	ug/L	Y	—	J	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.79	—	—	0.17	ug/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.87	—	—	0.17	ug/L	Y	—	J	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.82	2.95	10.2	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.53	3.2	11	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0477	2.5	8.2	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.67	11	36	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.02	10	35	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.864	—	—	0.5	ug/L	Y	J	J	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	ug/L	Y	U	U	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	ug/L	Y	U	U	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.03	—	—	0.5	ug/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.73	—	—	0.5	ug/L	Y	J	J	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.1	—	—	0.085	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.307	—	—	0.085	mg/L	Y	—	U	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.298	—	—	0.01	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.12	—	—	0.05	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.35	—	—	0.05	mg/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.395	—	—	0.05	ug/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.41	—	—	0.05	ug/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.403	—	—	0.05	ug/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.409	—	—	0.05	ug/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.41	—	—	0.05	ug/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0066	0.00808	0.0317	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00217	0.0031	0.029	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00209	0.0021	0.033	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00825	0.0048	0.048	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0076	0.033	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0462	0.0148	0.0527	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00217	0.0038	0.029	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00209	0.0036	0.031	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0055	0.0039	0.033	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0122	0.0081	0.033	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.2	—	—	0.05	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.16	—	—	0.05	mg/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.34	—	—	0.05	mg/L	Y	—	J	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.3	—	—	0.05	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.32	—	—	0.05	mg/L	Y	—	J	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.32	18.4	74.5	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	25.3	18	46	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21.7	12	47	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.36	19	67	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.7	19	66	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.3	—	—	0.053	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.1	—	—	0.053	mg/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.6	—	—	0.053	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68	—	—	0.053	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.96	—	—	0.1	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.25	—	—	0.1	mg/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.37	—	—	0.1	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.61	—	—	0.1	mg/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.628	1.66	6.16	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0444	1.6	5.5	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.838	1.2	4.2	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.331	1.5	5	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.655	1.5	4.5	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	uS/cm	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	1	uS/cm	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	1	uS/cm	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	1	uS/cm	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	uS/cm	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.5	—	—	1	ug/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.1	—	—	1	ug/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	64	—	—	1	ug/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54	—	—	1	ug/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.6	—	—	1	ug/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.229	0.129	0.493	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.246	0.14	0.47	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.417	0.16	0.49	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.11	0.084	0.32	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.409	0.15	0.48	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.33	—	—	0.133	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.29	—	—	0.133	mg/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.06	—	—	0.1	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.95	—	—	0.1	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.13	—	—	0.1	mg/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	2.4	mg/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.172	—	—	0.035	mg/L	Y	—	NQ	2013-307	CAMO-13-24245	GELC
R-44 S1	895	05/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-1321	CAMO-12-14010	GELC
R-44 S1	895	11/17/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-377	CAMO-12-1500	GELC
R-44 S1	895	08/05/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	11-3066	CAMO-11-24645	GELC
R-44 S1	895	05/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0695	—	—	0.035	mg/L	Y	J	U	11-2471	CAMO-11-10706	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.707	—	—	0.33	mg/L	Y	J	J	2013-307	CAMO-13-24245	GELC
R-44 S1	895	05/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-1321	CAMO-12-14010	GELC
R-44 S1	895	11/17/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.383	—	—	0.33	mg/L	Y	J	U	12-377	CAMO-12-1500	GELC
R-44 S1	895	08/05/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.431	—	—	0.33	mg/L	Y	J	J	11-3066	CAMO-11-24645	GELC
R-44 S1	895	05/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.667	—	—	0.33	mg/L	Y	J	J	11-2471	CAMO-11-10706	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0507	—	—	0.017	mg/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0184	—	—	0.017	mg/L	Y	J	J	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0974	—	—	0.015	mg/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.111	—	—	0.015	mg/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0619	—	—	0.015	mg/L	Y	—	U	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.469	0.847	2.843	—	pCi/L	Y	U	U	2013-313	CAMO-13-24245	ARSL
R-44 S1	895	11/17/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.62	0.73	2.4	—	pCi/L	Y	U	U	12-436	CAMO-12-1500	ARSL
R-44 S1	895	05/19/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.8372	0.7728	2.5438	—	pCi/L	Y	U	U	11-2528	CAMO-11-10706	ARSL
R-44 S1	895	11/18/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.4132	1.127	2.3184	—	pCi/L	N	—	R	11-748	CAMO-11-1276	ARSL
R-44 S1	895	11/18/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.9642	0.7728	2.3184	—	pCi/L	Y	U	U	11-748	CAMO-11-1276	ARSL
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.6762	0.644	2.1252	—	pCi/L	Y	U	U	10-3020	CAMO-10-16840	ARSL
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.461	—	—	0.067	ug/L	Y	—	NQ	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.475	—	—	0.067	ug/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.453	—	—	0.067	ug/L	Y	—	NQ	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.405	—	—	0.067	ug/L	Y	—	NQ	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.393	—	—	0.067	ug/L	Y	—	NQ	11-2471	CAMO-11-10707	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.213	0.0306	0.0778	—	pCi/L	Y	—	J	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.251	0.032	0.068	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.302	0.038	0.051	—	pCi/L	Y	—	NQ	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.386	0.052	0.075	—	pCi/L	Y	—	NQ	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.34	0.037	0.081	—	pCi/L	Y	—	NQ	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0102	0.0486	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0098	0.0057	0.041	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00768	0.0055	0.046	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00586	0.0059	0.059	—	pCi/L	Y	U	U	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00277	0.0083	0.041	—	pCi/L	Y	U	U	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.121	0.0207	0.0528	—	pCi/L	Y	—	J	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.137	0.021	0.047	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.103	0.02	0.047	—	pCi/L	Y	—	NQ	10-3025	CAMO-10-16840	GELC
R-44 S1	895	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.197	0.034	0.053	—	pCi/L	Y	—	NQ	10-1802	CAMO-10-9370	GELC
R-44 S1	895	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.195	0.025	0.049	—	pCi/L	Y	—	NQ	10-515	CAMO-10-3225	GELC
R-44 S1	895	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.95	—	—	1	ug/L	Y	J	J	2013-307	CAMO-13-24262	GELC
R-44 S1	895	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.45	—	—	1	ug/L	Y	—	NQ	12-1321	CAMO-12-14025	GELC
R-44 S1	895	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	6.35	—	—	1	ug/L	Y	—	U	12-378	CAMO-12-1498	GELC
R-44 S1	895	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.17	—	—	1	ug/L	Y	J	J	11-3066	CAMO-11-24646	GELC
R-44 S1	895	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.95	—	—	1	ug/L	Y	J	J	11-2471	CAMO-11-10707	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	NQ	2013-307	CAMO-13-24263	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	J-	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	J-	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	J-	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66	—	—	0.725	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.7	—	—	0.725	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.1	—	—	0.73	mg/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.9	—	—	0.73	mg/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.5	—	—	0.73	mg/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00204	0.00456	0.0369	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0135	0.0051	0.032	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00664	0.0033	0.032	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00575	0.003	0.021	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00682	0.0032	0.02	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00722	0.0052	0.035	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0026	0.0022	0.035	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.7	—	—	1	ug/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.9	—	—	1	ug/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.8	—	—	1	ug/L	Y	—	J	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.4	—	—	1	ug/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.9	—	—	1	ug/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.2	—	—	15	ug/L	Y	J	J	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	ug/L	Y	U	U	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	ug/L	Y	U	U	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.5	—	—	15	ug/L	Y	J	J	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.4	—	—	15	ug/L	Y	J	J	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.1	—	—	0.05	mg/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.8	—	—	0.05	mg/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.26	1.48	5.25	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.511	1.8	5.8	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.59	1.5	4.4	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.09	1.4	4.4	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.02	1.4	4	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.23	1.5	5.2	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.374	1.5	4.8	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.26	—	—	0.067	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.33	—	—	0.067	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.17	—	—	0.066	mg/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.28	—	—	0.066	mg/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.25	—	—	0.066	mg/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.74	—	—	2	ug/L	Y	J	J	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.01	—	—	2	ug/L	Y	J	J	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.39	—	—	2	ug/L	Y	J	J	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.1	—	—	2	ug/L	Y	J	J	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.85	—	—	2	ug/L	Y	J	J	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.955	1.47	5.86	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.56	1.9	5.7	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.61	1.6	4.9	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.03	1.2	4.4	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.544	1	3.7	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.00197	1.6	5.2	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0264	1.7	5.7	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.367	—	—	0.033	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.374	—	—	0.033	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.346	—	—	0.033	mg/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.34	—	—	0.033	mg/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.342	—	—	0.033	mg/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.689	0.661	2.37	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.186	0.64	2.6	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.59	0.87	2.6	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0164	0.65	2.8	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.686	0.63	2.3	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.209	0.44	2.3	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.136	0.45	2.1	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.18	0.82	2.75	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	26.5	2.9	3	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.53	0.91	3	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.702	0.79	2.8	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.62	0.77	2.4	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.499	0.62	2.2	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.634	0.85	2.9	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52	—	—	0.453	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.8	—	—	0.453	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.6	—	—	0.45	mg/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.5	—	—	0.45	mg/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.6	—	—	0.45	mg/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.31	—	—	0.11	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.18	—	—	0.11	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.61	—	—	0.11	mg/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.13	—	—	0.11	mg/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.01	—	—	0.11	mg/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.77	—	—	2	ug/L	Y	J	J	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.36	—	—	2	ug/L	Y	J	J	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	ug/L	Y	U	U	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.38	—	—	2	ug/L	Y	J	J	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.03	—	—	2	ug/L	Y	J	J	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.84	—	—	0.165	ug/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.835	—	—	0.165	ug/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.809	—	—	0.17	ug/L	Y	—	U	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.717	—	—	0.17	ug/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.754	—	—	0.17	ug/L	Y	—	U	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.76	3.29	11.1	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.38	3.7	12	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.3	2.9	9.5	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.1	2.7	8.6	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.04	2.5	8.2	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.6	9.1	29	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.3	13	41	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.927	—	—	0.5	ug/L	Y	J	J	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	ug/L	Y	U	U	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	ug/L	Y	U	U	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.523	—	—	0.5	ug/L	Y	J	J	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.594	—	—	0.5	ug/L	Y	J	J	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.626	—	—	0.017	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.735	—	—	0.085	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.163	—	—	0.01	mg/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.665	—	—	0.05	mg/L	Y	—	J	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.795	—	—	0.05	mg/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.343	—	—	0.05	ug/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.324	—	—	0.05	ug/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.34	—	—	0.05	ug/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.353	—	—	0.05	ug/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.334	—	—	0.05	ug/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00907	0.00641	0.0218	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0022	0.03	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00217	0.0022	0.029	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00881	0.0054	0.035	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-5.32E-10	0.0045	0.035	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00171	0.0053	0.05	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00411	0.0087	0.034	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00453	0.00555	0.0362	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0112	0.005	0.03	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00217	0.0031	0.029	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00669	0.0086	0.033	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00881	0.0049	0.033	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0039	0.0048	0.035	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00411	0.0065	0.034	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.34	—	—	0.05	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.39	—	—	0.05	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.15	—	—	0.05	mg/L	Y	—	J	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	J	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.81	16.6	64.6	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-26.2	24	74	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.06	16	60	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.72	24	67	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	65.2	18	71	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16.2	20	71	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-14.3	22	71	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77	—	—	0.053	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.6	—	—	0.053	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.9	—	—	0.053	mg/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.1	—	—	0.053	mg/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.51	—	—	0.1	mg/L	Y	—	NQ	12-378	CAMO-12-1501	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.145	1.39	5.32	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.33	1.6	5	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.478	1.7	5.5	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.747	1.4	4.9	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.784	1.2	4.2	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0661	1.5	4.9	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.102	1.5	4.9	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	145	—	—	1	uS/cm	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	144	—	—	1	uS/cm	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	145	—	—	1	uS/cm	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	147	—	—	1	uS/cm	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	147	—	—	1	uS/cm	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.6	—	—	1	ug/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	62.1	—	—	1	ug/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	57.3	—	—	1	ug/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	63.3	—	—	1	ug/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61.8	—	—	1	ug/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00695	0.132	0.49	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.208	0.14	0.47	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.045	0.12	0.47	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.192	0.14	0.45	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.221	0.13	0.43	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00394	0.093	0.32	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.225	0.13	0.49	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.45	—	—	0.133	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.69	—	—	0.133	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.76	—	—	0.1	mg/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.92	—	—	0.1	mg/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.12	—	—	0.1	mg/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	3.4	mg/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	142	—	—	2.4	mg/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.906	—	—	0.33	mg/L	Y	J	J	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	05/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-1321	CAMO-12-14011	GELC
R-44 S2	985.3	11/17/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-377	CAMO-12-1502	GELC
R-44 S2	985.3	08/05/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.597	—	—	0.33	mg/L	Y	J	J	11-3066	CAMO-11-24648	GELC
R-44 S2	985.3	05/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.772	—	—	0.33	mg/L	Y	J	J	11-2471	CAMO-11-10709	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.613	0.91	3.04	—	pCi/L	Y	U	U	2013-313	CAMO-13-24246	ARSL
R-44 S2	985.3	11/17/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.42	0.63	2.17	—	pCi/L	Y	U	U	12-436	CAMO-12-1502	ARSL
R-44 S2	985.3	05/19/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.6118	0.7406	2.4794	—	pCi/L	Y	U	U	11-2528	CAMO-11-10709	ARSL
R-44 S2	985.3	11/18/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.483	0.7728	2.6082	—	pCi/L	Y	U	U	11-748	CAMO-11-1278	ARSL
R-44 S2	985.3	11/18/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.864	1.288	2.6082	—	pCi/L	N	—	R	11-748	CAMO-11-1278	ARSL
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.644	0.644	2.1896	—	pCi/L	Y	U	U	10-3020	CAMO-10-16847	ARSL
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0	0.6762	2.2862	—	pCi/L	Y	U	U	10-3020	CAMO-10-16843	ARSL
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.558	—	—	0.067	ug/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.606	—	—	0.067	ug/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.56	—	—	0.067	ug/L	Y	—	NQ	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.483	—	—	0.067	ug/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.475	—	—	0.067	ug/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.35	0.0307	0.0551	—	pCi/L	Y	—	NQ	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.347	0.039	0.064	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.415	0.046	0.073	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.391	0.046	0.051	—	pCi/L	Y	—	NQ	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.426	0.049	0.053	—	pCi/L	Y	—	NQ	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.481	0.066	0.091	—	pCi/L	Y	—	NQ	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.335	0.036	0.074	—	pCi/L	Y	—	NQ	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0206	0.00881	0.0344	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0246	0.0089	0.039	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0176	0.008	0.044	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0117	0.0068	0.047	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0319	0.012	0.048	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0215	0.013	0.073	—	pCi/L	Y	U	U	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00512	0.0081	0.038	—	pCi/L	Y	U	U	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.173	0.0206	0.0374	—	pCi/L	Y	—	NQ	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.258	0.032	0.044	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.222	0.03	0.051	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.161	0.026	0.047	—	pCi/L	Y	—	NQ	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.242	0.033	0.048	—	pCi/L	Y	—	NQ	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.252	0.044	0.065	—	pCi/L	Y	—	NQ	10-1802	CAMO-10-9373	GELC
R-44 S2	985.3	11/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.128	0.02	0.046	—	pCi/L	Y	—	NQ	10-515	CAMO-10-3228	GELC
R-44 S2	985.3	11/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.25	—	—	1	ug/L	Y	—	NQ	2013-307	CAMO-13-24263	GELC
R-44 S2	985.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.87	—	—	1	ug/L	Y	—	NQ	12-1321	CAMO-12-14026	GELC
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5.08	—	—	1	ug/L	Y	—	U	12-378	CAMO-12-1501	GELC
R-44 S2	985.3	08/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.71	—	—	1	ug/L	Y	—	NQ	11-3066	CAMO-11-24647	GELC
R-44 S2	985.3	05/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.74	—	—	1	ug/L	Y	—	NQ	11-2471	CAMO-11-10708	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	J-	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.79	—	—	0.01	SU	Y	H	J-	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	J-	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67	—	—	0.725	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.8	—	—	0.725	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.1	—	—	0.73	mg/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.5	—	—	0.73	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.3	—	—	0.73	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000766	0.00766	0.0261	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00669	0.0037	0.038	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00531	0.0035	0.028	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00314	0.019	0.048	—	pCi/L	Y	U	U	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00285	0.0016	0.03	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0243	—	—	0.017	mg/L	Y	J	J	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0261	—	—	0.017	mg/L	Y	J	U	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0328	—	—	0.016	mg/L	Y	J	J	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.9	—	—	1	ug/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.9	—	—	1	ug/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.6	—	—	1	ug/L	Y	—	J	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29	—	—	1	ug/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26	—	—	1	ug/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.7	—	—	15	ug/L	Y	J	J	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.9	—	—	15	ug/L	Y	J	J	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.5	—	—	15	ug/L	Y	J	J	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.6	—	—	15	ug/L	Y	J	J	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.6	—	—	15	ug/L	Y	J	J	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.6	—	—	0.05	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.3	—	—	0.05	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.2	—	—	0.05	mg/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.8	—	—	0.05	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	N	J-	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.912	1.7	5.99	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.709	0.94	2.9	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.505	1.6	5.2	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.162	1.5	4.8	—	pCi/L	Y	U	U	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.62	1.5	5.1	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.97	—	—	0.067	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.88	—	—	0.067	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.62	—	—	0.066	mg/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.75	—	—	0.066	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.83	—	—	0.066	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	23	—	—	2	ug/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	19	—	—	2	ug/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	20.9	—	—	2	ug/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	17.9	—	—	2	ug/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	17.6	—	—	2	ug/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.56	1.66	5.75	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.166	0.91	3	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.06	1.6	5.8	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.916	1.4	4.9	—	pCi/L	Y	U	U	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.93	1.5	4.4	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.351	—	—	0.033	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.346	—	—	0.033	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.328	—	—	0.033	mg/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.3	—	—	0.033	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.345	—	—	0.033	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.806	0.75	2.78	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.732	0.77	2.9	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.07	0.91	2.4	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.3	0.66	1.7	—	pCi/L	Y	U	U	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.538	0.66	2.6	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.68	0.674	2.02	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.0498	0.69	2.6	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.04	0.69	2.3	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.45	0.72	2.2	—	pCi/L	Y	U	U	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.42	0.87	2.9	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68	—	—	0.453	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.3	—	—	0.453	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.6	—	—	0.45	mg/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.2	—	—	0.45	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.1	—	—	0.45	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.24	—	—	0.11	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.86	—	—	0.11	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.89	—	—	0.11	mg/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.82	—	—	0.11	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.79	—	—	0.11	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.908	—	—	0.165	ug/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.794	—	—	0.165	ug/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.856	—	—	0.17	ug/L	Y	—	U	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.748	—	—	0.17	ug/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.882	—	—	0.17	ug/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.88	3.63	11.7	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.2	1.4	4.4	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-8.28	3.2	8.8	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.6	13	42	—	pCi/L	Y	U	U	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	16.7	12	41	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.22	—	—	0.5	ug/L	Y	J	J	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.893	—	—	0.5	ug/L	Y	J	J	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	ug/L	Y	U	U	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.36	—	—	0.5	ug/L	Y	J	J	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.11	—	—	0.5	ug/L	Y	J	J	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.65	—	—	0.425	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.53	—	—	0.085	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.4	—	—	0.05	mg/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.17	—	—	0.05	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.61	—	—	0.05	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.577	—	—	0.05	ug/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.545	—	—	0.05	ug/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.546	—	—	0.05	ug/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.547	—	—	0.05	ug/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.533	—	—	0.05	ug/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00169	0.0059	0.0278	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00238	0.0034	0.032	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00196	0.0034	0.031	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00389	0.0028	0.033	—	pCi/L	Y	U	U	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0188	0.0066	0.034	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00301	0.00487	0.0459	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0034	0.032	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00391	0.0068	0.029	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0019	0.022	—	pCi/L	Y	U	U	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00418	0.0051	0.034	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.43	—	—	0.05	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.28	—	—	0.05	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.25	—	—	0.05	mg/L	Y	—	J	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.34	—	—	0.05	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.06	—	—	0.05	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.685	22.8	85.3	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	25.3	9.9	37	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.4	20	71	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	29.6	16	59	—	pCi/L	Y	U	U	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.01	19	66	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.9	—	—	0.053	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.1	—	—	0.053	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.4	—	—	0.053	mg/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.8	—	—	0.053	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.71	1.64	5.62	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.342	0.86	2.8	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.88	1.5	4.7	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.5	1.3	3.1	—	pCi/L	Y	U	U	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.36	1.5	4.6	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	175	—	—	1	uS/cm	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	175	—	—	1	uS/cm	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	176	—	—	1	uS/cm	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	168	—	—	1	uS/cm	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	1	uS/cm	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	81.7	—	—	1	ug/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	76.8	—	—	1	ug/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	79.9	—	—	1	ug/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	78.1	—	—	1	ug/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	71.2	—	—	1	ug/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0292	0.102	0.403	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.354	0.12	0.47	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.133	0.14	0.48	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.119	0.13	0.49	—	pCi/L	Y	U	U	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.118	0.098	0.42	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.42	—	—	0.133	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.99	—	—	0.133	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.59	—	—	0.1	mg/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.39	—	—	0.1	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.91	—	—	0.1	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	176	—	—	3.4	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	2.4	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0821	—	—	0.017	mg/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0368	—	—	0.017	mg/L	Y	J	J	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0257	—	—	0.015	mg/L	Y	J	J	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0468	—	—	0.015	mg/L	Y	J	U	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0706	—	—	0.015	mg/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.149	0.699	1.959	—	pCi/L	Y	—	NQ	2013-291	CAMO-13-24247	ARSL

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S1	880	11/16/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.55	0.75	2.33	—	pCi/L	Y	U	U	12-436	CAMO-12-1494	ARSL
R-45 S1	880	05/20/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.415	0.7728	2.1896	—	pCi/L	Y	—	NQ	11-2528	CAMO-11-10710	ARSL
R-45 S1	880	11/19/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.5742	1.1914	2.4472	—	pCi/L	N	—	R	11-748	CAMO-11-1279	ARSL
R-45 S1	880	11/19/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.5402	1.0304	2.4472	—	pCi/L	Y	—	NQ	11-748	CAMO-11-1279	ARSL
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.2236	0.5474	1.7066	—	pCi/L	Y	U	U	10-3219	CAMO-10-16825	ARSL
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.827	—	—	0.067	ug/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.8	—	—	0.067	ug/L	Y	—	NQ	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.835	—	—	0.067	ug/L	Y	—	NQ	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.896	—	—	0.067	ug/L	Y	—	J	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.782	—	—	0.067	ug/L	Y	—	NQ	11-2493	CAMO-11-10711	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.973	0.0534	0.0617	—	pCi/L	Y	—	NQ	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.541	0.056	0.079	—	pCi/L	Y	—	NQ	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.921	0.077	0.031	—	pCi/L	Y	—	NQ	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.521	0.052	0.069	—	pCi/L	Y	—	NQ	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.52	0.048	0.07	—	pCi/L	Y	—	NQ	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0319	0.0121	0.0388	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0228	0.0094	0.048	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0472	0.011	0.029	—	pCi/L	Y	—	NQ	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0458	0.014	0.04	—	pCi/L	Y	—	NQ	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0287	0.0098	0.035	—	pCi/L	Y	U	U	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.471	0.0366	0.042	—	pCi/L	Y	—	NQ	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.23	0.032	0.055	—	pCi/L	Y	—	NQ	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.199	0.026	0.029	—	pCi/L	Y	—	NQ	10-3165	CAMO-10-16825	GELC
R-45 S1	880	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.227	0.029	0.045	—	pCi/L	Y	—	NQ	10-1468	CAMO-10-9379	GELC
R-45 S1	880	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.23	0.027	0.043	—	pCi/L	Y	—	NQ	10-542	CAMO-10-3231	GELC
R-45 S1	880	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.25	—	—	1	ug/L	Y	—	NQ	2013-276	CAMO-13-24264	GELC
R-45 S1	880	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.76	—	—	1	ug/L	Y	J	J	12-1314	CAMO-12-14027	GELC
R-45 S1	880	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5.78	—	—	1	ug/L	Y	—	U	12-363	CAMO-12-1492	GELC
R-45 S1	880	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.41	—	—	1	ug/L	Y	—	NQ	11-2990	CAMO-11-24641	GELC
R-45 S1	880	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.93	—	—	1	ug/L	Y	J	J	11-2493	CAMO-11-10711	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	J-	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	J-	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	J-	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.8	—	—	0.725	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.5	—	—	0.725	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.2	—	—	0.73	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.9	—	—	0.73	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.1	—	—	0.73	mg/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0146	0.00714	0.0256	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00515	0.0072	0.035	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00834	0.0038	0.023	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.024	0.016	0.043	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0214	0.012	0.042	—	pCi/L	Y	U	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00285	0.0018	0.034	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.3	—	—	1	ug/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.3	—	—	1	ug/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.9	—	—	1	ug/L	Y	—	J	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.5	—	—	1	ug/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.3	—	—	1	ug/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	ug/L	Y	J	J	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.8	—	—	15	ug/L	Y	J	J	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.5	—	—	15	ug/L	Y	J	J	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.9	—	—	15	ug/L	Y	J	J	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.6	—	—	15	ug/L	Y	J	J	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.8	—	—	0.05	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.5	—	—	0.05	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	N	J-	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.935	1.61	6.04	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0449	1.9	6	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.846	1.5	5	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0756	1.3	4.4	—	pCi/L	Y	U	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.15	1.1	3.4	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.17	1.2	4.2	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.43	—	—	0.067	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.37	—	—	0.067	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.16	—	—	0.066	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.34	—	—	0.066	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.36	—	—	0.066	mg/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	12.5	—	—	2	ug/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	9.99	—	—	2	ug/L	Y	J	J	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	11.5	—	—	2	ug/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.91	—	—	2	ug/L	Y	J	J	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.91	—	—	2	ug/L	Y	J	J	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.74	1.66	7.07	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.78	1.6	3.6	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.15	1.6	5.9	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.496	1.4	4.6	—	pCi/L	Y	U	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.687	1.4	4.7	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.681	1.4	4.8	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.422	—	—	0.033	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.413	—	—	0.033	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.398	—	—	0.033	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.373	—	—	0.033	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.413	—	—	0.033	mg/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.049	0.702	2.95	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.427	0.76	2.9	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.156	0.48	2.2	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0534	0.4	2.1	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.36	0.73	2.1	—	pCi/L	Y	U	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.825	0.67	2.3	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.36	0.847	2.51	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.32	1.5	2.8	—	pCi/L	Y	—	NQ	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.6	0.85	2.7	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.44	0.83	2.3	—	pCi/L	Y	—	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.35	0.68	2.1	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.309	0.67	2.6	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.9	—	—	0.453	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.7	—	—	0.453	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.1	—	—	0.45	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.9	—	—	0.45	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60	—	—	0.45	mg/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.22	—	—	0.11	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.66	—	—	0.11	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.95	—	—	0.11	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.59	—	—	0.11	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.72	—	—	0.11	mg/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.942	—	—	0.165	ug/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.914	—	—	0.165	ug/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.18	—	—	0.17	ug/L	Y	—	U	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.802	—	—	0.17	ug/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.919	—	—	0.17	ug/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.48	3.21	11.3	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.39	2.7	9.1	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.866	2.5	8.2	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.61	12	36	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	13.5	9.3	30	—	pCi/L	Y	U	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.24	10	34	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.999	—	—	0.5	ug/L	Y	J	J	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.73	—	—	0.5	ug/L	Y	J	J	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.45	—	—	0.5	ug/L	Y	J	J	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.85	—	—	0.5	ug/L	Y	J	J	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.28	—	—	0.5	ug/L	Y	J	J	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.7	—	—	0.085	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.68	—	—	0.085	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.6	—	—	0.05	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.65	—	—	0.05	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.85	—	—	0.05	mg/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.388	—	—	0.05	ug/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.376	—	—	0.05	ug/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.408	—	—	0.05	ug/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.403	—	—	0.05	ug/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.388	—	—	0.05	ug/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.01	0.00555	0.0237	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.002	0.026	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0137	0.0094	0.031	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00235	0.0024	0.04	—	pCi/L	Y	U	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00198	0.002	0.033	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00666	0.0044	0.036	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00314	0.00528	0.0392	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00391	0.0039	0.027	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00391	0.0048	0.029	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00235	0.0041	0.027	—	pCi/L	Y	U	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00198	0.002	0.023	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00888	0.0077	0.036	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.32	—	—	0.05	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.34	—	—	0.05	mg/L	Y	—	J	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.39	—	—	0.05	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.12	—	—	0.05	mg/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	32.8	18.4	77	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17	19	70	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.9	21	59	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-4.7	20	66	—	pCi/L	Y	U	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-51.6	16	44	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	19.2	19	65	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	82.5	—	—	0.053	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.6	—	—	0.053	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.3	—	—	0.053	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.1	—	—	0.053	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.26	1.54	5.52	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.73	1.7	6.6	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.5	1.4	5	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.882	1	3.7	—	pCi/L	Y	U	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.08	1.4	4	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.02	1.1	3.4	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	167	—	—	1	uS/cm	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	167	—	—	1	uS/cm	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	—	1	uS/cm	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	161	—	—	1	uS/cm	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	169	—	—	1	uS/cm	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	75.6	—	—	1	ug/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	68.1	—	—	1	ug/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	75.1	—	—	1	ug/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.5	—	—	1	ug/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.8	—	—	1	ug/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.229	0.14	0.464	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.113	0.14	0.47	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.251	0.14	0.47	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.239	0.12	0.48	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.283	0.15	0.49	—	pCi/L	Y	U	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.262	0.097	0.45	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.38	—	—	0.133	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.24	—	—	0.133	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.27	—	—	0.1	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.21	—	—	0.1	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.4	—	—	0.1	mg/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	181	—	—	3.4	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	2.4	mg/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0834	—	—	0.017	mg/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0407	—	—	0.017	mg/L	Y	J	J	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0775	—	—	0.015	mg/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0456	—	—	0.015	mg/L	Y	J	U	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0348	—	—	0.015	mg/L	Y	J	J	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.567	0.691	2.102	—	pCi/L	Y	U	U	2013-291	CAMO-13-24248	ARSL
R-45 S2	974.9	11/16/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.53	0.73	2.42	—	pCi/L	Y	U	U	12-436	CAMO-12-1497	ARSL
R-45 S2	974.9	05/20/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.3202	0.8694	2.7692	—	pCi/L	Y	U	U	11-2528	CAMO-11-10713	ARSL
R-45 S2	974.9	11/19/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.9964	0.805	2.4472	—	pCi/L	Y	U	U	11-748	CAMO-11-1282	ARSL
R-45 S2	974.9	11/19/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.6064	1.1914	2.4472	—	pCi/L	N	—	R	11-748	CAMO-11-1282	ARSL
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.5796	0.6118	2.0286	—	pCi/L	Y	U	U	10-3219	CAMO-10-16828	ARSL
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.746	—	—	0.067	ug/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.717	—	—	0.067	ug/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.784	—	—	0.067	ug/L	Y	—	NQ	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.766	—	—	0.067	ug/L	Y	—	J	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.661	—	—	0.067	ug/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.517	0.041	0.0637	—	pCi/L	Y	—	NQ	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.435	0.05	0.082	—	pCi/L	Y	—	NQ	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.459	0.049	0.044	—	pCi/L	Y	—	NQ	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.588	0.058	0.071	—	pCi/L	Y	—	NQ	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.555	0.057	0.08	—	pCi/L	Y	—	NQ	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.465	0.045	0.075	—	pCi/L	Y	—	NQ	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0194	0.0112	0.04	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0397	0.013	0.05	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0167	0.0076	0.04	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0176	0.008	0.046	—	pCi/L	Y	U	U	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0219	0.0084	0.041	—	pCi/L	Y	U	U	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0181	0.0079	0.038	—	pCi/L	Y	U	U	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.243	0.027	0.0434	—	pCi/L	Y	—	NQ	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.193	0.029	0.057	—	pCi/L	Y	—	NQ	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.192	0.027	0.04	—	pCi/L	Y	—	NQ	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.205	0.027	0.046	—	pCi/L	Y	—	NQ	10-1468	CAMO-10-9384	GELC
R-45 S2	974.9	01/27/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.222	0.03	0.052	—	pCi/L	Y	—	NQ	10-1468	CAMO-10-9385	GELC
R-45 S2	974.9	11/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.191	0.025	0.046	—	pCi/L	Y	—	NQ	10-542	CAMO-10-3234	GELC
R-45 S2	974.9	11/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.69	—	—	1	ug/L	Y	—	NQ	2013-276	CAMO-13-24265	GELC
R-45 S2	974.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.55	—	—	1	ug/L	Y	—	NQ	12-1314	CAMO-12-14028	GELC
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.94	—	—	1	ug/L	Y	—	J	12-363	CAMO-12-1496	GELC
R-45 S2	974.9	08/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.86	—	—	1	ug/L	Y	—	NQ	11-2990	CAMO-11-24643	GELC
R-45 S2	974.9	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.34	—	—	1	ug/L	Y	—	NQ	11-2493	CAMO-11-10712	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	J-	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.725	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.9	—	—	0.725	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.725	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61	—	—	0.725	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.73	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00187	0.00619	0.0212	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0136	0.00753	0.0266	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00616	0.0036	0.015	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.006	0.0035	0.015	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0183	0.0056	0.023	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0157	0.0053	0.024	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000769	0.0029	0.027	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00295	0.0029	0.029	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0923	—	—	0.017	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.174	—	—	0.017	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0667	—	—	0.016	mg/L	Y	—	U	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.23	—	—	1.7	ug/L	Y	J	J	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	N	U	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.6	—	—	1	ug/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.7	—	—	1	ug/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.6	—	—	1	ug/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.6	—	—	1	ug/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.1	—	—	1	ug/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.2	—	—	15	ug/L	Y	J	J	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18	—	—	15	ug/L	Y	J	J	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.8	—	—	15	ug/L	Y	J	J	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.6	—	—	15	ug/L	Y	J	J	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.2	—	—	15	ug/L	Y	J	J	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0775	—	—	0.067	mg/L	Y	J	J	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0691	—	—	0.066	mg/L	Y	J	J	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0849	—	—	0.066	mg/L	Y	J	J	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.5	—	—	0.05	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.1	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.4	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.1	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.37	1.88	6.27	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.48	1.36	5.34	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.64	1.6	5.2	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.989	1.6	5.4	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.7	1.6	5.8	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.33	1.3	4.1	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.975	1.4	5	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.283	1.3	4.2	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.07	—	—	0.067	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.14	—	—	0.067	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.79	—	—	0.067	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.08	—	—	0.066	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.72	—	—	0.066	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	96.3	—	—	2	ug/L	Y	—	NQ	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.79	—	—	2	ug/L	N	J	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	87.4	—	—	2	ug/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	98.3	—	—	2	ug/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	99.8	—	—	2	ug/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	89.4	—	—	2	ug/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.222	1.61	6.26	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.808	1.38	5.59	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.39	1.7	5.9	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.742	1.1	4.1	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.85	1.3	5.2	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.981	1.7	5.8	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0178	1.5	4.8	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.299	1.6	5.2	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.337	—	—	0.033	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.328	—	—	0.033	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.336	—	—	0.033	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.334	—	—	0.033	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.313	—	—	0.033	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.83	0.612	2.08	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0264	0.333	2.1	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.37	0.74	2.1	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.829	0.69	2.2	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.73	0.79	1.9	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.1	0.72	2.3	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.7	0.62	2.3	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.21	0.59	2.5	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.67	0.821	2.61	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.741	0.808	2.76	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.95	0.87	2.6	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.57	0.7	2.1	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.35	0.97	3	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.254	0.69	2.7	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.3	0.73	2.3	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2	0.89	2.7	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.4	—	—	0.453	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.5	—	—	0.453	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.9	—	—	0.453	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.1	—	—	0.453	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56	—	—	0.45	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.09	—	—	0.11	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.41	—	—	0.11	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.64	—	—	0.11	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.77	—	—	0.11	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.44	—	—	0.11	mg/L	Y	—	J	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.65	—	—	0.165	ug/L	Y	—	NQ	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	ug/L	N	—	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.75	—	—	0.165	ug/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.6	—	—	0.165	ug/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.85	—	—	0.165	ug/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.47	—	—	0.17	ug/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.38	3.63	13.2	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.675	2.66	9.23	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.45	2.3	7.6	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.97	2.9	9	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.12	2.7	9.7	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.668	3.2	10	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.88	2.1	7.1	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.11	—	—	0.5	ug/L	Y	—	NQ	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.7	—	—	0.5	ug/L	N	J	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.01	—	—	0.5	ug/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.5	—	—	0.5	ug/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.41	—	—	0.5	ug/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.51	—	—	0.5	ug/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.5	—	—	0.085	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.81	—	—	0.085	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.72	—	—	0.085	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.53	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.552	—	—	0.05	ug/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.555	—	—	0.05	ug/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.582	—	—	0.05	ug/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.521	—	—	0.05	ug/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.545	—	—	0.05	ug/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00857	0.00606	0.0206	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00477	0.00477	0.016	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0113	0.0056	0.039	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0056	0.0056	0.048	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00412	0.0041	0.025	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00429	0.0043	0.026	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00232	0.004	0.029	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00249	0.0035	0.031	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0107	0.00643	0.0342	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00238	0.00715	0.0287	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00227	0.0039	0.056	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	6.67E-10	0.0069	0.069	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00214	0.0083	0.039	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.005	0.038	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00248	0.0056	0.046	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00464	0.0057	0.043	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.61	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.56	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-2.43	23.2	85.6	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.93	19.7	65.5	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-19	21	70	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-53.1	24	58	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	14.1	16	42	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.32	20	67	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.04	17	60	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	14.5	20	69	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.2	—	—	0.053	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.2	—	—	0.053	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.4	—	—	0.053	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.8	—	—	0.053	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.7	—	—	0.1	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.9	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.7	—	—	0.1	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.35	1.66	6.76	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.55	1.46	5	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.253	1.3	4.5	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.19	1.5	4.4	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.663	1.2	4.3	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.204	1.5	5.1	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.35	1.4	4.9	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	2.76	1.7	6.4	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	uS/cm	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	uS/cm	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	uS/cm	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	179	—	—	1	uS/cm	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	uS/cm	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	65.8	—	—	1	ug/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.1	—	—	1	ug/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	63	—	—	1	ug/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61.6	—	—	1	ug/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.6	—	—	1	ug/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0381	0.139	0.494	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0219	0.128	0.486	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0124	0.15	0.52	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.265	0.14	0.53	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.161	0.15	0.5	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0136	0.13	0.48	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0982	0.14	0.51	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.233	0.16	0.51	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	—	—	0.133	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.6	—	—	0.133	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.4	—	—	0.133	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0786	—	—	0.035	mg/L	Y	J	J+	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	05/31/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0765	—	—	0.035	mg/L	Y	J	J	12-1334	CAMO-12-14014	GELC
R-50 S1	1077	03/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1066	CAMO-12-12021	GELC
R-50 S1	1077	11/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-383	CAMO-12-1505	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.4	—	—	0.33	mg/L	Y	—	NQ	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.22	—	—	0.33	mg/L	Y	—	NQ	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	05/31/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.67	—	—	0.33	mg/L	Y	—	NQ	12-1334	CAMO-12-14014	GELC
R-50 S1	1077	03/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.831	—	—	0.33	mg/L	Y	J	U	12-1066	CAMO-12-12021	GELC
R-50 S1	1077	11/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.44	—	—	0.33	mg/L	Y	J	J	12-383	CAMO-12-1505	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0482	—	—	0.017	mg/L	Y	J	J	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0308	—	—	0.017	mg/L	Y	J	J	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.029	—	—	0.017	mg/L	Y	J	J	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0608	—	—	0.015	mg/L	Y	—	U	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0181	—	—	0.015	mg/L	Y	J	J	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	22.455	3.603	3.008	—	pCi/L	Y	—	J-	2013-313	CAMO-13-24249	ARSL
R-50 S1	1077	05/31/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	23.236	3.631	2.236	—	pCi/L	Y	—	NQ	12-1342	CAMO-12-14014	ARSL
R-50 S1	1077	11/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	24.75	3.98	3.41	—	pCi/L	Y	—	NQ	12-436	CAMO-12-1505	ARSL
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	12.7512	2.1574	2.5438	—	pCi/L	Y	—	NQ	11-3040	CAMO-11-24673	ARSL
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	16.2932	2.6404	2.2862	—	pCi/L	Y	—	NQ	11-3040	CAMO-11-24675	ARSL
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	20.286	3.1878	1.9642	—	pCi/L	Y	—	NQ	11-2539	CAMO-11-10720	ARSL
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	24.0856	3.7996	2.576	—	pCi/L	Y	—	NQ	11-2539	CAMO-11-10722	ARSL
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.573	—	—	0.067	ug/L	Y	—	NQ	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.636	—	—	0.067	ug/L	N	—	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.623	—	—	0.067	ug/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.6	—	—	0.067	ug/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.654	—	—	0.067	ug/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.609	—	—	0.067	ug/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.42	0.0372	0.0726	—	pCi/L	Y	—	NQ	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.369	0.0352	0.0764	—	pCi/L	Y	—	NQ	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.484	0.05	0.056	—	pCi/L	Y	—	NQ	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.431	0.044	0.045	—	pCi/L	Y	—	NQ	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.454	0.051	0.085	—	pCi/L	Y	—	NQ	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.509	0.051	0.065	—	pCi/L	Y	—	NQ	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.501	0.052	0.06	—	pCi/L	Y	—	NQ	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.403	0.045	0.061	—	pCi/L	Y	—	NQ	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0271	0.0128	0.0453	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0141	0.00999	0.0493	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.011	0.0078	0.028	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0134	0.0068	0.034	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.032	0.011	0.037	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0189	0.01	0.048	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0213	0.01	0.039	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0242	0.011	0.038	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.21	0.0267	0.0493	—	pCi/L	Y	—	NQ	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.16	0.0221	0.0387	—	pCi/L	Y	—	NQ	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.195	0.026	0.035	—	pCi/L	Y	—	NQ	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.193	0.027	0.043	—	pCi/L	Y	—	NQ	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.181	0.027	0.029	—	pCi/L	Y	—	NQ	11-2549	CAMO-11-10720	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.267	0.036	0.038	—	pCi/L	Y	—	NQ	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.19	0.028	0.041	—	pCi/L	Y	—	NQ	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.219	0.03	0.042	—	pCi/L	Y	—	NQ	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.32	—	—	1	ug/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.91	—	—	1	ug/L	Y	J	J	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.82	—	—	1	ug/L	Y	J	J	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.72	—	—	1	ug/L	Y	J	J	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.52	—	—	1	ug/L	Y	J	J	12-384	CAMO-12-1504	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	J-	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.725	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.9	—	—	0.725	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.1	—	—	0.725	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.6	—	—	0.725	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.5	—	—	0.73	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00749	0.0053	0.0213	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00314	0.0305	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00554	0.0041	0.014	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0019	0.0033	0.039	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00828	0.0036	0.026	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0694	—	—	0.017	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.399	—	—	0.017	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0723	—	—	0.017	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0808	—	—	0.016	mg/L	Y	—	U	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.072	—	—	0.016	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.26	—	—	1.7	ug/L	Y	J	J	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	N	U	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.9	—	—	1	ug/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.6	—	—	1	ug/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.8	—	—	1	ug/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.9	—	—	1	ug/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.1	—	—	1	ug/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.9	—	—	0.05	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.23	1.11	4.33	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.84	1.54	6.08	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-5.65	2.9	7.2	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.5	1.8	6.3	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.468	1.6	5.5	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.11	—	—	0.067	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.11	—	—	0.067	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.08	—	—	0.067	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.06	—	—	0.066	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.09	—	—	0.066	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.25	—	—	2	ug/L	Y	J	J	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	14.6	—	—	2	ug/L	N	—	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.17	—	—	2	ug/L	Y	J	J	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.99	—	—	2	ug/L	Y	J	J	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.77	—	—	2	ug/L	Y	J	J	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	ug/L	Y	U	U	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.77	1.42	4.48	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.498	1.45	5.46	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.52	2.1	5	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.63	1.4	2.1	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.41	1.8	5.1	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.401	—	—	0.033	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.339	—	—	0.033	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.39	—	—	0.033	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.394	—	—	0.033	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.38	—	—	0.033	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0227	0.473	2.32	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.009	0.506	2.4	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.497	0.79	3	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.562	0.62	2.3	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.8	0.78	1.8	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.933	0.707	2.39	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.16	0.929	2.98	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.36	0.89	2.9	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.58	0.94	2.8	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.137	0.63	2.4	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.8	—	—	0.453	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.9	—	—	0.453	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.7	—	—	0.453	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.9	—	—	0.453	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.7	—	—	0.45	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.66	—	—	0.11	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.93	—	—	0.11	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.92	—	—	0.11	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.9	—	—	0.11	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.13	—	—	0.11	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.165	ug/L	Y	—	NQ	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.895	—	—	0.165	ug/L	N	—	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.3	—	—	0.165	ug/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	ug/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.33	—	—	0.165	ug/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.31	—	—	0.17	ug/L	Y	—	J	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.02	2.66	9.55	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.02	3.01	11.4	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.2	2.1	7	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.1	3.3	10	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.236	2.6	8.5	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.06	2	6.9	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.61	—	—	0.5	ug/L	Y	J	J	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.866	—	—	0.5	ug/L	N	J	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	ug/L	Y	J	J	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.45	—	—	0.5	ug/L	Y	J	J	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.6	—	—	0.5	ug/L	Y	J	J	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.47	—	—	0.5	ug/L	Y	J	J	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.471	—	—	0.017	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.495	—	—	0.017	mg/L	Y	H	NQ	12-1506-1	CAMO-12-21746	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.975	—	—	0.085	mg/L	N	—	R	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.55	—	—	0.085	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.505	—	—	0.05	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.17	—	—	0.01	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.33	—	—	0.05	ug/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.336	—	—	0.05	ug/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.341	—	—	0.05	ug/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.325	—	—	0.05	ug/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.31	—	—	0.05	ug/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00229	0.00605	0.022	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00506	0.00506	0.017	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	9.41E-10	0.0079	0.034	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00193	0.0019	0.023	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00361	0.0089	0.023	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00458	0.00647	0.0365	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00253	0.00438	0.0305	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0118	0.0056	0.048	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0077	0.0047	0.035	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00181	0.0048	0.034	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.17	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-9.62	14.8	56.5	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.964	19.9	75.6	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-14.4	22	60	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.3	21	63	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	41.6	21	79	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.7	—	—	0.053	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.9	—	—	0.053	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.7	—	—	0.053	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.6	—	—	0.053	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.6	—	—	0.053	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.39	—	—	0.1	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.08	1.46	5.99	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.591	1.52	6.08	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.22	1.3	4.4	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.45	1.9	5.6	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.338	1.6	5.3	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	uS/cm	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	uS/cm	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	1	uS/cm	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	137	—	—	1	uS/cm	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	uS/cm	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	55.4	—	—	1	ug/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.7	—	—	1	ug/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.6	—	—	1	ug/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.6	—	—	1	ug/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.7	—	—	1	ug/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.431	0.156	0.485	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.319	0.122	0.484	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0159	0.15	0.52	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.168	0.13	0.48	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.12	0.14	0.5	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.59	—	—	0.133	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.48	—	—	0.133	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.49	—	—	0.133	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.54	—	—	0.1	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.65	—	—	0.1	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Thallium	Tl	Y	0.477	—	—	0.45	ug/L	Y	J	J	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	ug/L	N	U	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	ug/L	Y	U	U	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	ug/L	Y	U	U	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	ug/L	Y	U	U	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	ug/L	Y	U	U	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0885	—	—	0.035	mg/L	Y	J	J	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	05/31/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0354	—	—	0.035	mg/L	Y	J	J	12-1334	CAMO-12-14015	GELC
R-50 S2	1185	03/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1061	CAMO-12-12022	GELC
R-50 S2	1185	11/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-440	CAMO-12-1809	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.761	—	—	0.33	mg/L	Y	J	J	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.534	—	—	0.33	mg/L	Y	J	J	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	05/31/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.663	—	—	0.33	mg/L	Y	J	J	12-1334	CAMO-12-14015	GELC
R-50 S2	1185	03/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.568	—	—	0.33	mg/L	Y	J	J	12-1061	CAMO-12-12022	GELC
R-50 S2	1185	11/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.56	—	—	0.33	mg/L	Y	J	J	12-440	CAMO-12-1809	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0192	—	—	0.017	mg/L	Y	J	J	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0297	—	—	0.017	mg/L	Y	J	J	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0228	—	—	0.015	mg/L	Y	J	J	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	UJ	12-440	CAMO-12-1808	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.287	0.883	3.027	—	pCi/L	Y	U	U	2013-313	CAMO-13-24250	ARSL
R-50 S2	1185	05/31/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.084	0.633	2.144	—	pCi/L	Y	U	U	12-1342	CAMO-12-14015	ARSL
R-50 S2	1185	11/28/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.12	0.59	2.01	—	pCi/L	Y	U	U	12-456	CAMO-12-1809	ARSL
R-50 S2	1185	11/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	23.15	3.71	3.09	—	pCi/L	Y	—	NQ	12-436	CAMO-12-1509	ARSL
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.2558	0.6762	2.3184	—	pCi/L	Y	U	U	11-3040	CAMO-11-24679	ARSL
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.574	—	—	0.067	ug/L	Y	—	NQ	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.463	—	—	0.067	ug/L	N	—	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.62	—	—	0.067	ug/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.603	—	—	0.067	ug/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.673	—	—	0.067	ug/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.642	—	—	0.067	ug/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.328	0.031	0.0614	—	pCi/L	Y	—	NQ	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.446	0.0373	0.0722	—	pCi/L	Y	—	J	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.51	0.048	0.041	—	pCi/L	Y	—	NQ	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.528	0.054	0.072	—	pCi/L	Y	—	NQ	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.468	0.048	0.05	—	pCi/L	Y	—	NQ	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0294	0.0109	0.0383	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0267	0.0106	0.0466	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0296	0.0088	0.025	—	pCi/L	Y	—	NQ	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0172	0.0092	0.055	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.0063	0.037	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.188	0.0238	0.0417	—	pCi/L	Y	—	NQ	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.203	0.0237	0.0366	—	pCi/L	Y	—	J	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.201	0.025	0.032	—	pCi/L	Y	—	NQ	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.272	0.034	0.038	—	pCi/L	Y	—	NQ	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.177	0.025	0.036	—	pCi/L	Y	—	NQ	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.61	—	—	1	ug/L	Y	J	J	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.23	—	—	1	ug/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.32	—	—	1	ug/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.08	—	—	1	ug/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.37	—	—	1	ug/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.78	—	—	0.01	SU	Y	H	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.34	—	—	0.01	SU	Y	H	J-	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.44	—	—	0.01	SU	Y	H	J-	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.41	—	—	0.01	SU	Y	H	J-	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.34	—	—	0.01	SU	Y	H	J-	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.56	—	—	0.01	SU	Y	H	J-	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.7	—	—	0.725	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.3	—	—	0.73	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.2	—	—	0.73	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.7	—	—	0.73	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90.7	—	—	0.73	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.2	—	—	0.73	mg/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	107	—	—	68	ug/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	ug/L	Y	U	U	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	ug/L	Y	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	ug/L	Y	U	U	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	ug/L	Y	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	ug/L	Y	U	U	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00246	0.0055	0.028	—	pCi/L	Y	U	U	2013-334	CAMO-13-24251	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00514	0.0036	0.052	—	pCi/L	Y	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0104	0.0047	0.038	—	pCi/L	Y	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00465	0.0033	0.042	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0098	0.0052	0.033	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00197	0.0044	0.04	—	pCi/L	Y	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0253	—	—	0.017	mg/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0233	—	—	0.016	mg/L	Y	J	J	12-734	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0193	—	—	0.016	mg/L	Y	J	J	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0315	—	—	0.016	mg/L	Y	J	U	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	Y	1.07	—	—	1	ug/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	3	—	—	1	ug/L	Y	U	U	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	3	—	—	1	ug/L	Y	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Antimony	Sb	N	3	—	—	1	ug/L	Y	U	U	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	3	—	—	1	ug/L	Y	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	3	—	—	1	ug/L	Y	U	U	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.3	—	—	1	ug/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.5	—	—	1	ug/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	47	—	—	1	ug/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	47.6	—	—	1	ug/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	61.6	—	—	1	ug/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.2	—	—	1	ug/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.4	—	—	15	ug/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.5	—	—	15	ug/L	Y	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.3	—	—	15	ug/L	Y	J	J	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	ug/L	Y	J	J	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.7	—	—	15	ug/L	Y	J	J	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.1	—	—	15	ug/L	Y	J	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	5.88	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.4	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.5	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.18	1.78	6.79	—	pCi/L	Y	U	U	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.05	1.3	4.6	—	pCi/L	Y	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.572	1.5	5.6	—	pCi/L	Y	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.6	1.3	5.1	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0929	1.2	3.7	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.61	1.4	4.3	—	pCi/L	Y	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.17	—	—	0.067	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.05	—	—	0.066	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.05	—	—	0.066	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.06	—	—	0.066	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.35	—	—	0.066	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.59	—	—	0.066	mg/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	2.47	—	—	0.3	ug/L	Y	—	NQ	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	12-734	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	12-424	CAMO-12-1511	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	12-411	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	11-3263	CAMO-11-24699	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	11-2469	CAMO-11-11687	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	11-2469	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16.4	—	—	2	ug/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.03	—	—	2	ug/L	Y	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.84	—	—	2	ug/L	Y	J	J	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.68	—	—	2	ug/L	Y	J	J	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	ug/L	Y	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16.8	—	—	2	ug/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.487	1.39	5.2	—	pCi/L	Y	U	U	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.07	1.3	4.3	—	pCi/L	Y	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.16	1.2	5.7	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.3	1.5	6.4	—	pCi/L	Y	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.95	1.4	4.7	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.642	1.7	4.9	—	pCi/L	Y	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.589	—	—	0.033	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.329	—	—	0.033	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.326	—	—	0.033	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.318	—	—	0.033	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.303	—	—	0.033	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.324	—	—	0.033	mg/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.93	1.18	2.28	—	pCi/L	Y	—	NQ	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.77	1	2.3	—	pCi/L	Y	—	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	2.35	0.97	2.4	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	4.25	1.3	2.5	—	pCi/L	Y	—	NQ	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.18	0.71	2.2	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.575	0.57	2	—	pCi/L	Y	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	22.8	1.71	2.17	—	pCi/L	Y	—	NQ	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.431	0.56	2	—	pCi/L	Y	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.56	0.74	2.2	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.44	0.76	2.4	—	pCi/L	Y	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.75	0.98	2.9	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.743	0.57	2.5	—	pCi/L	Y	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	24.5	—	—	0.453	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.4	—	—	0.45	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.5	—	—	0.45	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.3	—	—	0.45	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.3	—	—	0.45	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.7	—	—	0.45	mg/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	72	—	—	30	ug/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1150	—	—	30	ug/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	Y	920	—	—	30	ug/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	909	—	—	30	ug/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	2550	—	—	30	ug/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	35.3	—	—	30	ug/L	Y	J	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.38	—	—	0.11	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.02	—	—	0.11	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.83	—	—	0.11	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.82	—	—	0.11	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.69	—	—	0.11	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.36	—	—	0.11	mg/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	33.7	—	—	2	ug/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	554	—	—	2	ug/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	902	—	—	2	ug/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	914	—	—	2	ug/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	1100	—	—	2	ug/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	113	—	—	2	ug/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.14	—	—	0.165	ug/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.73	—	—	0.17	ug/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.67	—	—	0.17	ug/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.49	—	—	0.17	ug/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	14.6	—	—	0.17	ug/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.06	—	—	0.17	ug/L	Y	—	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.8	3.36	12.2	—	pCi/L	Y	U	U	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.47	2.9	10	—	pCi/L	Y	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.67	2.7	9	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.51	3.2	12	—	pCi/L	Y	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.9	2.6	8.3	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.66	—	—	0.5	ug/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.57	—	—	0.5	ug/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.34	—	—	0.5	ug/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.25	—	—	0.5	ug/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.02	—	—	0.5	ug/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.68	—	—	0.5	ug/L	Y	J	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.58	—	—	0.085	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.68	—	—	0.05	mg/L	Y	—	NQ	12-734	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.41	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.427	—	—	0.01	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.32	—	—	0.05	mg/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.13	—	—	0.5	ug/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.37	—	—	0.5	ug/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.96	—	—	0.5	ug/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.9	—	—	0.5	ug/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.96	—	—	0.25	ug/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.54	—	—	0.5	ug/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00309	0.00535	0.0297	—	pCi/L	Y	U	U	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00424	0.003	0.027	—	pCi/L	Y	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00186	0.0032	0.022	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0038	0.0027	0.023	—	pCi/L	Y	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00225	0.0039	0.021	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00411	0.005	0.025	—	pCi/L	Y	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00309	0.0069	0.0493	—	pCi/L	Y	U	U	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00212	0.0056	0.031	—	pCi/L	Y	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0133	0.0051	0.024	—	pCi/L	Y	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00558	0.0032	0.023	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00225	0.0087	0.034	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00411	0.0029	0.038	—	pCi/L	Y	U	U	11-2470	CAMO-11-10852	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	27.4	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.96	—	—	0.05	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.62	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.59	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	41.1	19.1	80.4	—	pCi/L	Y	U	U	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	37	17	70	—	pCi/L	Y	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	26.4	20	82	—	pCi/L	Y	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-23.9	15	56	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.54	14	46	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	28.9	19	43	—	pCi/L	Y	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	102	—	—	0.053	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.3	—	—	0.053	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.6	—	—	0.053	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.9	—	—	0.053	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.1	—	—	0.053	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.6	—	—	0.053	mg/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	19.2	—	—	0.1	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.9	—	—	0.1	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.9	—	—	0.1	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.1	—	—	0.1	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18	—	—	0.1	mg/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.865	1.45	5.25	—	pCi/L	Y	U	U	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.11	1.3	5.1	—	pCi/L	Y	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.551	1.2	5	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.291	1.3	5	—	pCi/L	Y	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.34	1.4	4.1	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.219	1.4	4.7	—	pCi/L	Y	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	uS/cm	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	165	—	—	1	uS/cm	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	uS/cm	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	uS/cm	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	209	—	—	1	uS/cm	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	168	—	—	1	uS/cm	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	25.8	—	—	1	ug/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.2	—	—	1	ug/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.7	—	—	1	ug/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.3	—	—	1	ug/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	91.5	—	—	1	ug/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.1	—	—	1	ug/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0396	0.131	0.486	—	pCi/L	Y	U	U	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.141	0.14	0.48	—	pCi/L	Y	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.224	0.15	0.49	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.216	0.13	0.49	—	pCi/L	Y	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0782	0.14	0.49	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.293	0.13	0.51	—	pCi/L	Y	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.41	—	—	0.133	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.04	—	—	0.1	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.59	—	—	0.1	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.57	—	—	0.1	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.27	—	—	0.1	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.68	—	—	0.1	mg/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	65.7	—	—	3.4	mg/L	Y	—	J	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	2.4	mg/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.126	—	—	0.033	mg/L	Y	—	NQ	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.133	—	—	0.035	mg/L	Y	—	NQ	12-734	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-411	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0812	—	—	0.035	mg/L	Y	J	U	11-3264	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.134	—	—	0.035	mg/L	Y	—	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.59	—	—	0.33	mg/L	Y	—	NQ	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.86	—	—	0.33	mg/L	Y	J	J	12-734	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.14	—	—	0.33	mg/L	Y	—	NQ	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.08	—	—	0.33	mg/L	Y	—	NQ	12-411	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	10.1	—	—	0.33	mg/L	Y	—	NQ	11-3264	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.77	—	—	0.33	mg/L	Y	J	J	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	11.8	—	—	0.17	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0531	—	—	0.015	mg/L	Y	—	NQ	12-734	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	UJ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0642	—	—	0.015	mg/L	Y	—	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.253	—	—	0.015	mg/L	Y	—	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	30.976	4.788	2.404	—	pCi/L	Y	—	NQ	2013-360	CAMO-13-24251	ARSL
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	31.26	4.8	1.85	—	pCi/L	Y	—	NQ	12-736	CAMO-12-2229	ARSL
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	33.63	5.19	2.46	—	pCi/L	Y	—	NQ	12-436	CAMO-12-1511	ARSL
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	33.26	5.1	2.05	—	pCi/L	Y	—	NQ	12-436	CAMO-12-1513	ARSL
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	15.0374	2.4472	2.2862	—	pCi/L	Y	—	NQ	11-3305	CAMO-11-24698	ARSL
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	7.8246	1.3846	2.1252	—	pCi/L	Y	—	U	11-2531	CAMO-11-10852	ARSL
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.255	—	—	0.067	ug/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1	—	—	0.067	ug/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.736	—	—	0.067	ug/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.73	—	—	0.067	ug/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.1	—	—	0.067	ug/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.715	—	—	0.067	ug/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.168	0.0276	0.0695	—	pCi/L	Y	—	NQ	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.813	0.066	0.048	—	pCi/L	Y	—	NQ	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.483	0.045	0.049	—	pCi/L	Y	—	NQ	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.526	0.047	0.045	—	pCi/L	Y	—	NQ	12-412	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.576	0.065	0.073	—	pCi/L	Y	—	NQ	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.65	0.065	0.076	—	pCi/L	Y	—	NQ	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0037	0.00979	0.0434	—	pCi/L	Y	U	U	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0234	0.0087	0.026	—	pCi/L	Y	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.021	0.008	0.025	—	pCi/L	Y	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0186	0.0074	0.027	—	pCi/L	Y	U	U	12-412	CAMO-12-1511	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0198	0.01	0.052	—	pCi/L	Y	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0109	0.0082	0.059	—	pCi/L	Y	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.102	0.0189	0.0472	—	pCi/L	Y	—	NQ	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.361	0.036	0.037	—	pCi/L	Y	—	NQ	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.251	0.027	0.024	—	pCi/L	Y	—	NQ	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.248	0.028	0.027	—	pCi/L	Y	—	NQ	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.312	0.043	0.063	—	pCi/L	Y	—	NQ	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.32	0.038	0.04	—	pCi/L	Y	—	NQ	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.21	—	—	1	ug/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.99	—	—	1	ug/L	Y	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	ug/L	Y	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	ug/L	Y	U	U	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	ug/L	Y	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.91	—	—	1	ug/L	Y	J	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	22.1	—	—	3.3	ug/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	ug/L	Y	U	U	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	ug/L	Y	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	ug/L	Y	U	U	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	ug/L	Y	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	18.3	—	—	3.3	ug/L	Y	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.69	—	—	0.01	SU	Y	H	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.25	—	—	0.01	SU	Y	H	J-	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.2	—	—	0.01	SU	Y	H	J-	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.14	—	—	0.01	SU	Y	H	J-	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.81	—	—	0.01	SU	Y	H	J-	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.5	—	—	0.725	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.3	—	—	0.73	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.8	—	—	0.73	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	94.4	—	—	0.73	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.3	—	—	0.73	mg/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	197	—	—	68	ug/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	ug/L	Y	U	U	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	ug/L	Y	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	ug/L	Y	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	ug/L	Y	U	U	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00325	0.0086	0.037	—	pCi/L	Y	U	U	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00204	0.0079	0.041	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00192	0.0051	0.035	—	pCi/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00587	0.0059	0.049	—	pCi/L	Y	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00172	0.0017	0.035	—	pCi/L	Y	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.99	—	—	1.7	ug/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	ug/L	Y	U	U	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	32.6	—	—	1	ug/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.7	—	—	1	ug/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.4	—	—	1	ug/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	42.2	—	—	1	ug/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.9	—	—	1	ug/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	29	—	—	15	ug/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.5	—	—	15	ug/L	Y	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.2	—	—	15	ug/L	Y	J	J	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	33.2	—	—	15	ug/L	Y	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.7	—	—	15	ug/L	Y	J	J	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	7.99	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.9	—	—	0.05	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10	—	—	0.05	mg/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.02	1.61	6	—	pCi/L	Y	U	U	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.37	1.2	4.6	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.76	1.5	5.7	—	pCi/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-6.3	2.2	7.7	—	pCi/L	Y	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.203	1.6	5.4	—	pCi/L	Y	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.63	—	—	0.067	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.01	—	—	0.066	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.95	—	—	0.066	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.18	—	—	0.066	mg/L	Y	—	J+	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.17	—	—	0.066	mg/L	Y	—	J+	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	10.7	—	—	0.3	ug/L	Y	—	NQ	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	12-744	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	12-398	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	11-3277	CAMO-11-24700	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	11-2501	CAMO-11-11689	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.25	ug/L	Y	U	U	11-2501	CAMO-11-11688	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.18	—	—	2	ug/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	ug/L	Y	U	U	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	ug/L	Y	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	ug/L	Y	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.17	—	—	2	ug/L	Y	J	J	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.88	1.47	6.47	—	pCi/L	Y	U	U	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.08	1.2	5.2	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.05	1.7	7	—	pCi/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.515	1.6	5.2	—	pCi/L	Y	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.89	2	5.8	—	pCi/L	Y	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.739	—	—	0.033	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.342	—	—	0.033	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.31	—	—	0.033	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.241	—	—	0.033	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.344	—	—	0.033	mg/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.49	1.45	2.39	—	pCi/L	Y	—	NQ	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.147	0.42	2.4	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.293	0.49	2	—	pCi/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.14	0.61	1.7	—	pCi/L	Y	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.24	0.73	2.2	—	pCi/L	Y	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	18.7	1.6	2.24	—	pCi/L	Y	—	NQ	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.757	0.64	2.2	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.81	0.87	2.3	—	pCi/L	Y	—	NQ	12-399	CAMO-12-1516	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.69	0.82	2.2	—	pCi/L	Y	—	NQ	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.66	0.89	2.9	—	pCi/L	Y	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.8	—	—	0.453	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.7	—	—	0.45	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.2	—	—	0.45	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.1	—	—	0.45	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.5	—	—	0.45	mg/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	331	—	—	30	ug/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	148	—	—	30	ug/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1750	—	—	30	ug/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	5590	—	—	30	ug/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	ug/L	Y	U	U	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	0.785	—	—	0.5	ug/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	2	—	—	0.5	ug/L	Y	U	U	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	2	—	—	0.5	ug/L	Y	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	2	—	—	0.5	ug/L	Y	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	2	—	—	0.5	ug/L	Y	U	U	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.37	—	—	0.11	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.59	—	—	0.11	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.78	—	—	0.11	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.48	—	—	0.11	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.26	—	—	0.11	mg/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	91.5	—	—	2	ug/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	744	—	—	2	ug/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	566	—	—	2	ug/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	908	—	—	2	ug/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	22.2	—	—	2	ug/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.81	—	—	0.165	ug/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	4.71	—	—	0.17	ug/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	5.76	—	—	0.17	ug/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	10.9	—	—	0.17	ug/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.6	—	—	0.17	ug/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1	3.22	11	—	pCi/L	Y	U	U	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.431	2.8	9.6	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.61	3.1	10	—	pCi/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.24	2.7	8.9	—	pCi/L	Y	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.84	—	—	0.5	ug/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.34	—	—	0.5	ug/L	Y	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	ug/L	Y	J	J	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.59	—	—	0.5	ug/L	Y	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	ug/L	Y	U	U	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.27	—	—	0.017	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.05	—	—	0.01	mg/L	Y	U	U	12-744	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.313	—	—	0.05	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.362	—	—	0.1	mg/L	Y	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.438	—	—	0.05	mg/L	Y	—	J+	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.253	—	—	0.05	ug/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.278	—	—	0.05	ug/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.265	—	—	0.05	ug/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.205	—	—	0.05	ug/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.306	—	—	0.05	ug/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00786	0.00694	0.0252	—	pCi/L	Y	U	U	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00629	0.007	0.026	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0154	0.0066	0.021	—	pCi/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00255	0.0044	0.026	—	pCi/L	Y	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0039	0.0039	0.024	—	pCi/L	Y	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0105	0.00741	0.0418	—	pCi/L	Y	U	U	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00839	0.0066	0.031	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00683	0.0034	0.021	—	pCi/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0051	0.0062	0.049	—	pCi/L	Y	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0039	0.0048	0.036	—	pCi/L	Y	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.34	—	—	0.05	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.6	—	—	0.05	mg/L	Y	—	J	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.7	22	85.5	—	pCi/L	Y	U	U	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-35.6	17	57	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.14	20	74	—	pCi/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.24	21	74	—	pCi/L	Y	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.1	20	73	—	pCi/L	Y	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	120	—	—	0.53	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.1	—	—	0.053	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.8	—	—	0.053	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.4	—	—	0.053	mg/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	20.7	—	—	0.1	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.9	—	—	0.1	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	24.4	—	—	0.1	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.572	1.45	5.38	—	pCi/L	Y	U	U	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.323	1.2	4.2	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.05	1.3	4.9	—	pCi/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0637	1.6	5.2	—	pCi/L	Y	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.01	1.4	5	—	pCi/L	Y	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	197	—	—	1	uS/cm	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	159	—	—	1	uS/cm	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	164	—	—	1	uS/cm	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	203	—	—	1	uS/cm	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	uS/cm	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	33.6	—	—	1	ug/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	63.4	—	—	1	ug/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	65.1	—	—	1	ug/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	81.4	—	—	1	ug/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.4	—	—	1	ug/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.122	0.143	0.499	—	pCi/L	Y	U	U	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0985	0.14	0.47	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.294	0.15	0.49	—	pCi/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.144	0.15	0.5	—	pCi/L	Y	U	U	11-3277	CAMO-11-24703	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.151	0.14	0.48	—	pCi/L	Y	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.16	—	—	0.133	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.2	—	—	0.1	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.13	—	—	0.1	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.85	—	—	0.1	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.61	—	—	0.1	mg/L	Y	—	J+	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	256	—	—	3.4	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	3.4	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	2.4	mg/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.14	—	—	0.033	mg/L	Y	—	NQ	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.113	—	—	0.035	mg/L	Y	—	NQ	12-744	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.17	—	—	0.035	mg/L	Y	—	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.18	mg/L	Y	U	UJ	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.65	—	—	0.33	mg/L	Y	—	NQ	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.864	—	—	0.33	mg/L	Y	J	J	12-744	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.49	—	—	0.33	mg/L	Y	—	NQ	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	14.7	—	—	0.33	mg/L	Y	—	J	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.573	—	—	0.33	mg/L	Y	J	J	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	19.1	—	—	0.17	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0389	—	—	0.015	mg/L	Y	J	J	12-744	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.122	0.786	2.307	—	pCi/L	Y	U	U	2013-360	CAMO-13-24252	ARSL
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.97	0.67	1.89	—	pCi/L	Y	—	U	12-746	CAMO-12-2232	ARSL
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.25	0.64	2.17	—	pCi/L	Y	U	U	12-436	CAMO-12-1516	ARSL
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.2898	0.7084	2.3506	—	pCi/L	Y	U	U	11-3305	CAMO-11-24703	ARSL
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.3864	0.6118	2.1252	—	pCi/L	Y	U	U	11-2531	CAMO-11-11689	ARSL
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.224	—	—	0.067	ug/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.719	—	—	0.067	ug/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.759	—	—	0.067	ug/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.606	—	—	0.067	ug/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.847	—	—	0.067	ug/L	Y	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.215	0.0315	0.0761	—	pCi/L	Y	—	NQ	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.497	0.045	0.047	—	pCi/L	Y	—	NQ	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.472	0.044	0.047	—	pCi/L	Y	—	NQ	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.4	0.047	0.06	—	pCi/L	Y	—	NQ	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.552	0.055	0.07	—	pCi/L	Y	—	NQ	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00811	0.0475	—	pCi/L	Y	U	U	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0229	0.0086	0.025	—	pCi/L	Y	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0155	0.0067	0.026	—	pCi/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0244	0.01	0.043	—	pCi/L	Y	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.01	0.0089	0.054	—	pCi/L	Y	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.197	0.0262	0.0516	—	pCi/L	Y	—	NQ	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.294	0.031	0.036	—	pCi/L	Y	—	NQ	12-745	CAMO-12-2232	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.208	0.025	0.026	—	pCi/L	Y	—	NQ	12-399	CAMO-12-1516	GELC
R-61 S2	1220.4	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.266	0.037	0.051	—	pCi/L	Y	—	NQ	11-3277	CAMO-11-24703	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220.4	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.349	0.04	0.037	—	pCi/L	Y	—	NQ	11-2502	CAMO-11-11689	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.11	—	—	1	ug/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.51	—	—	1	ug/L	Y	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.07	—	—	1	ug/L	Y	J	J	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	ug/L	Y	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.41	—	—	1	ug/L	Y	J	J	11-2502	CAMO-11-11691	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.4	—	—	3.3	ug/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	ug/L	Y	U	U	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	ug/L	Y	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220.4	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.43	—	—	3.3	ug/L	Y	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	ug/L	Y	U	U	11-2502	CAMO-11-11691	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.74	—	—	0.01	SU	Y	H	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.74	—	—	0.01	SU	Y	H	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.45	—	—	0.01	SU	Y	H	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.48	—	—	0.01	SU	Y	H	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.49	—	—	0.01	SU	Y	H	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	—	—	0.01	SU	Y	H	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.725	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.725	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.5	—	—	0.725	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.7	—	—	0.725	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.6	—	—	0.725	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.5	—	—	0.725	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	3.43E-10	0.00411	0.0234	—	pCi/L	Y	U	U	2013-297	CAMO-13-24253	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00436	0.00534	0.0248	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00885	0.0078	0.0404	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00273	0.0466	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00691	0.00949	0.0393	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00871	0.00435	0.0392	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0606	—	—	0.017	mg/L	Y	—	J-	2013-297	CAMO-13-24229	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.288	—	—	0.017	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.148	—	—	0.017	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0629	—	—	0.017	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0449	—	—	0.017	mg/L	Y	J	J	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.119	—	—	0.017	mg/L	Y	—	U	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.6	—	—	1	ug/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.4	—	—	1	ug/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23	—	—	1	ug/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.9	—	—	1	ug/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.5	—	—	1	ug/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.4	—	—	1	ug/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.2	—	—	15	ug/L	Y	J	J	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	ug/L	Y	U	U	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	ug/L	Y	U	U	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	ug/L	Y	U	U	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	15.4	—	—	15	ug/L	Y	J	J	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	ug/L	Y	U	U	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.106	—	—	0.067	mg/L	Y	J	J	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.137	—	—	0.067	mg/L	Y	J	J	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.118	—	—	0.067	mg/L	Y	J	J	12-1482	CAMO-12-21749	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.075	—	—	0.067	mg/L	Y	J	J	12-1349	CAMO-12-14000	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1349	CAMO-12-14033	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.1	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.6	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.1	—	—	0.05	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.46	1.47	6.07	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.881	1.89	6.96	—	pCi/L	Y	U	U	2013-297	CAMO-13-24253	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.55	1.38	6.11	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.239	1.45	5.45	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.07	1.55	5.26	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.714	1.39	4.99	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.83	—	—	0.067	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.85	—	—	0.067	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.74	—	—	0.067	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.26	—	—	0.067	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.26	—	—	0.067	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.64	—	—	0.066	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	128	—	—	10	ug/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	133	—	—	10	ug/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	175	—	—	2	ug/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	135	—	—	10	ug/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	129	—	—	10	ug/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	198	—	—	2	ug/L	Y	N	J-	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.34	2.11	7.35	—	pCi/L	Y	U	U	2013-297	CAMO-13-24253	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.877	1.64	6.63	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.822	1.39	5.96	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.67	1.94	8.1	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.255	1.22	4.81	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.51	1.16	4.41	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.246	—	—	0.033	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.244	—	—	0.033	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.202	—	—	0.033	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.242	—	—	0.033	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.246	—	—	0.033	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.413	—	—	0.033	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.671	0.626	2.32	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.256	0.631	2.88	—	pCi/L	Y	U	U	2013-297	CAMO-13-24253	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.91	0.822	2.24	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.89	0.87	2.34	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.861	0.757	2.5	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.45	0.772	2.25	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.03	0.917	2.64	—	pCi/L	Y	—	NQ	2013-297	CAMO-13-24253	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.04	0.678	2.26	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.2	0.677	2.17	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.39	0.789	2.47	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.17	0.864	2.65	—	pCi/L	Y	—	NQ	12-1349	CAMO-12-13999	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.72	0.794	2.49	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.6	—	—	0.453	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64	—	—	0.453	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.3	—	—	0.453	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.7	—	—	0.453	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.1	—	—	0.453	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.453	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.96	—	—	0.11	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.88	—	—	0.11	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.4	—	—	0.11	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.32	—	—	0.11	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.31	—	—	0.11	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.86	—	—	0.11	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.91	—	—	0.165	ug/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.92	—	—	0.165	ug/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.61	—	—	0.165	ug/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.14	—	—	0.165	ug/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.09	—	—	0.165	ug/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.36	—	—	0.165	ug/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.32	3.63	13.5	—	pCi/L	Y	U	U	2013-297	CAMO-13-24253	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.39	3.6	12.2	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.26	2.75	10.8	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.58	2.85	11.1	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0449	2.58	9.3	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.985	2.55	8.96	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.96	—	—	0.5	ug/L	Y	J	J	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.01	—	—	0.5	ug/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.15	—	—	0.5	ug/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.09	—	—	0.5	ug/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.11	—	—	0.5	ug/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.06	—	—	0.5	ug/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.99	—	—	0.085	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.02	—	—	0.017	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	—	—	0.085	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.08	—	—	0.085	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.1	—	—	0.085	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.39	—	—	0.05	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.771	—	—	0.05	ug/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.764	—	—	0.05	ug/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.819	—	—	0.05	ug/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.775	—	—	0.05	ug/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.765	—	—	0.05	ug/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.777	—	—	0.05	ug/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0029	0.00502	0.0278	—	pCi/L	Y	U	U	2013-297	CAMO-13-24253	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0125	0.00969	0.024	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00414	0.0197	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00834	0.016	0.0632	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00799	0.0642	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0142	0.00884	0.037	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0029	0.00766	0.0462	—	pCi/L	Y	U	U	2013-297	CAMO-13-24253	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0025	0.00662	0.0399	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0117	0.00926	0.0353	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0167	0.00681	0.0624	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00565	0.00799	0.0634	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00608	0.00731	0.0286	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-31.7	23.8	89.2	—	pCi/L	Y	U	U	2013-297	CAMO-13-24253	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-36	19.7	64.7	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16.9	17	71.7	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	39	22.2	95.2	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-8.52	17.6	67.4	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.1	15.7	65.6	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.5	—	—	0.053	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63	—	—	0.053	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	0.0609	—	—	0.053	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	61.4	—	—	0.053	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.7	—	—	0.053	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.3	—	—	0.053	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.8	—	—	0.1	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.1	—	—	0.1	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.1	—	—	0.1	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.35	2.08	8.82	—	pCi/L	Y	U	U	2013-297	CAMO-13-24253	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.12	1.8	6.46	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.09	1.3	5.73	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.706	1.16	4.62	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.33	1.74	7.95	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.65	1.49	4.95	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	189	—	—	1	uS/cm	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	1	uS/cm	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	uS/cm	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	18.4	—	—	1	uS/cm	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	1	uS/cm	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	198	—	—	1	uS/cm	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	98.9	—	—	1	ug/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.3	—	—	1	ug/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	77.5	—	—	1	ug/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	80.3	—	—	1	ug/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	79.1	—	—	1	ug/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	80.4	—	—	1	ug/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0275	0.123	0.462	—	pCi/L	Y	U	U	2013-297	CAMO-13-24253	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0518	0.138	0.486	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.232	0.131	0.482	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.386	0.13	0.478	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.019	0.132	0.487	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.103	0.108	0.414	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.2	—	—	0.133	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.1	—	—	0.133	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.6	—	—	0.133	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.8	—	—	0.133	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.8	—	—	0.133	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.56	—	—	0.1	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	180	—	—	3.4	mg/L	Y	—	J	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.641	—	—	0.33	mg/L	Y	J	J	2013-297	CAMO-13-24253	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.573	—	—	0.33	mg/L	Y	J	J	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.589	—	—	0.33	mg/L	Y	J	J	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.928	—	—	0.33	mg/L	Y	J	J	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.889	—	—	0.33	mg/L	Y	J	J	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.398	—	—	0.33	mg/L	Y	J	J-	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0743	—	—	0.017	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0665	—	—	0.017	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0573	—	—	0.017	mg/L	Y	—	U	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0488	—	—	0.017	mg/L	Y	J	U	12-1349	CAMO-12-14000	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.057	—	—	0.017	mg/L	Y	—	U	12-1349	CAMO-12-14033	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0724	—	—	0.017	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	5.878	1.245	2.593	—	pCi/L	Y	—	NQ	2013-282	CAMO-13-24253	ARSL
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.12	0.83	2.46	—	pCi/L	Y	U	U	2013-282	CAMO-13-24228	ARSL
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	7.009	1.284	2.032	—	pCi/L	Y	—	U	12-1497	CAMO-12-21741	ARSL
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.822	0.993	1.993	—	pCi/L	Y	—	NQ	12-1361	CAMO-12-14018	ARSL
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.663	0.978	2.015	—	pCi/L	Y	—	NQ	12-1361	CAMO-12-13999	ARSL
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	6.638	1.215	1.943	—	pCi/L	Y	—	NQ	12-1152	CAMO-12-12025	ARSL
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.991	—	—	0.067	ug/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.995	—	—	0.067	ug/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.957	—	—	0.067	ug/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.991	—	—	0.067	ug/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.945	—	—	0.067	ug/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.06	—	—	0.067	ug/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.783	0.0494	0.0666	—	pCi/L	Y	—	NQ	2013-297	CAMO-13-24228	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.707	0.0483	0.0713	—	pCi/L	Y	—	NQ	2013-297	CAMO-13-24253	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.605	0.0359	0.0538	—	pCi/L	Y	—	J	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.661	0.0612	0.131	—	pCi/L	Y	—	J	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.586	0.0472	0.093	—	pCi/L	Y	—	NQ	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.8	0.0437	0.0561	—	pCi/L	Y	—	J	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0319	0.0128	0.0416	—	pCi/L	Y	U	U	2013-297	CAMO-13-24228	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0304	0.0132	0.0445	—	pCi/L	Y	U	U	2013-297	CAMO-13-24253	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00995	0.00609	0.0347	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0359	0.0136	0.0522	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00661	0.0106	0.0743	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0199	0.00944	0.0324	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.261	0.0299	0.0484	—	pCi/L	Y	—	NQ	2013-297	CAMO-13-24253	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.33	0.0313	0.0452	—	pCi/L	Y	—	NQ	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.268	0.0236	0.0273	—	pCi/L	Y	—	J	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.313	0.0427	0.0687	—	pCi/L	Y	—	J	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.301	0.0327	0.0485	—	pCi/L	Y	—	NQ	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.341	0.029	0.036	—	pCi/L	Y	—	J	12-1149	CAMO-12-12025	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.27	—	—	1	ug/L	Y	J	J	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.17	—	—	1	ug/L	Y	J	J	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.95	—	—	1	ug/L	Y	J	J	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.67	—	—	1	ug/L	Y	J	J	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.49	—	—	1	ug/L	Y	J	J	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.27	—	—	1	ug/L	Y	J	J	12-1149	CAMO-12-12034	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.83	—	—	3.3	ug/L	Y	J	J	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.04	—	—	3.3	ug/L	Y	J	J	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	16.8	—	—	3.3	ug/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14.9	—	—	3.3	ug/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14.1	—	—	3.3	ug/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	37.5	—	—	3.3	ug/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.56	—	—	0.01	SU	Y	H	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.29	—	—	0.01	SU	Y	H	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.46	—	—	0.01	SU	Y	H	J-	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.65	—	—	0.01	SU	Y	H	J-	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	105	—	—	0.725	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	111	—	—	0.725	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	112	—	—	0.73	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	105	—	—	0.73	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	106	—	—	0.73	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.011	0.051	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.037	0.011	0.044	—	pCi/L	Y	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0296	0.01	0.042	—	pCi/L	Y	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0167	0.0059	0.038	—	pCi/L	Y	U	U	10-3651	CASA-10-22648	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00449	0.0048	0.039	—	pCi/L	Y	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00706	0.0038	0.034	—	pCi/L	Y	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0197	—	—	0.017	mg/L	Y	J	J	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.135	—	—	0.017	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0332	—	—	0.016	mg/L	Y	J	J	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.7	—	—	1	ug/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	38.9	—	—	1	ug/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	34.7	—	—	1	ug/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	51.3	—	—	1	ug/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	41.6	—	—	1	ug/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	85.8	—	—	15	ug/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	84.9	—	—	15	ug/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	85.8	—	—	15	ug/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	99.4	—	—	15	ug/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	72.8	—	—	15	ug/L	Y	—	NQ	11-2518	CASA-11-10804	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.781	—	—	0.067	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.793	—	—	0.067	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.838	—	—	0.066	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.882	—	—	0.066	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.926	—	—	0.066	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	64.2	—	—	0.05	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67.6	—	—	0.05	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.4	—	—	0.05	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	77.4	—	—	0.05	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.1	—	—	0.05	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0752	1.24	4.55	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.281	1.2	4.1	—	pCi/L	Y	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.837	1.4	4.6	—	pCi/L	Y	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.11	1.3	3.9	—	pCi/L	Y	U	U	10-3651	CASA-10-22648	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.54	1.7	5	—	pCi/L	Y	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.615	1.3	4.2	—	pCi/L	Y	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	97.2	—	—	0.67	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	94.7	—	—	0.67	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	97.6	—	—	0.66	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	92	—	—	0.66	mg/L	Y	—	J+	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	92.2	—	—	0.66	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	10.1	—	—	2	ug/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	9.9	—	—	2	ug/L	Y	J	J	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.96	—	—	2	ug/L	Y	J	J	12-352	CASA-12-1374	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	48.7	—	—	10	ug/L	N	J	R	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	10.5	—	—	2	ug/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	10.6	—	—	2	ug/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.337	1.16	4.37	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.8	1.2	4.7	—	pCi/L	Y	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.76	1.5	4.4	—	pCi/L	Y	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.251	1.5	4.9	—	pCi/L	Y	U	U	10-3651	CASA-10-22648	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.753	1.5	5	—	pCi/L	Y	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.986	1.2	4.3	—	pCi/L	Y	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.202	—	—	0.033	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.197	—	—	0.033	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.192	—	—	0.033	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.16	—	—	0.033	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.88	0.99	2.93	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.45	1.8	3.4	—	pCi/L	Y	—	NQ	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	Y	4.88	1.4	3	—	pCi/L	Y	—	NQ	10-3651	CASA-10-22648	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	3.4	1.3	2.9	—	pCi/L	Y	—	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	3.89	1.4	3.1	—	pCi/L	Y	—	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/22/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5	1.33	2.66	—	pCi/L	Y	—	J	192311	GU070800SCI101	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.474	0.751	2.7	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.59	1.1	3	—	pCi/L	Y	—	NQ	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	6.11	1.3	3	—	pCi/L	Y	—	NQ	10-3651	CASA-10-22648	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.414	0.84	3	—	pCi/L	Y	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.25	0.54	1.7	—	pCi/L	Y	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/22/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.5	1.4	4.16	—	pCi/L	Y	—	J	192311	GU070800SCI101	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	201	—	—	0.453	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	212	—	—	0.453	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	219	—	—	0.45	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	241	—	—	0.45	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	212	—	—	0.45	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.86	—	—	0.11	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	10.4	—	—	0.11	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	10.5	—	—	0.11	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.5	—	—	0.11	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	10.2	—	—	0.11	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	86.9	—	—	0.165	ug/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	74.1	—	—	0.165	ug/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	77.3	—	—	0.17	ug/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	77	—	—	0.17	ug/L	N	—	R	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	68.9	—	—	0.17	ug/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	74.3	—	—	0.17	ug/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.3	2.51	9.02	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.488	2.7	9.4	—	pCi/L	Y	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.869	2.7	9.2	—	pCi/L	Y	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.46	2.5	8.4	—	pCi/L	Y	U	U	10-3651	CASA-10-22648	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	28.6	13	46	—	pCi/L	Y	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	23.1	12	41	—	pCi/L	Y	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.02	—	—	0.5	ug/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.26	—	—	0.5	ug/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	50.8	—	—	2.5	ug/L	N	—	R	12-352	CASA-12-1374	GELC
SCI-1	358.4	11/16/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.13	—	—	0.5	ug/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.5	—	—	0.5	ug/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.16	—	—	0.5	ug/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.89	—	—	0.085	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.28	—	—	0.085	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.43	—	—	0.05	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.38	—	—	0.1	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.83	—	—	0.05	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.774	—	—	0.05	ug/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.972	—	—	0.05	ug/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.89	—	—	0.05	ug/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.895	—	—	0.1	ug/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.902	—	—	0.05	ug/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.007	0.007	0.0336	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00181	0.0031	0.021	—	pCi/L	Y	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0018	0.024	—	pCi/L	Y	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00199	0.002	0.027	—	pCi/L	Y	U	U	10-3651	CASA-10-22648	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0031	0.037	—	pCi/L	Y	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0212	0.0085	0.029	—	pCi/L	Y	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.007	0.007	0.0559	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00362	0.0026	0.029	—	pCi/L	Y	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00181	0.0041	0.025	—	pCi/L	Y	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00399	0.0049	0.027	—	pCi/L	Y	U	U	10-3651	CASA-10-22648	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00221	0.0038	0.026	—	pCi/L	Y	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00193	0.0051	0.035	—	pCi/L	Y	U	U	09-2757	CASA-09-10350	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.4	—	—	0.05	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.72	—	—	0.05	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.93	—	—	0.05	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.07	—	—	0.05	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.39	—	—	0.05	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.49	15.7	56.3	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20.9	15	53	—	pCi/L	Y	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.6	21	71	—	pCi/L	Y	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	5.15	19	66	—	pCi/L	Y	U	U	10-3651	CASA-10-22648	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.8	21	78	—	pCi/L	Y	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27.1	14	52	—	pCi/L	Y	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.9	—	—	0.053	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.5	—	—	0.053	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.3	—	—	0.053	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.3	—	—	0.053	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	59.8	—	—	0.053	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	57.8	—	—	0.1	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	55.3	—	—	0.1	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	57.5	—	—	0.1	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	55.5	—	—	0.1	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	51.7	—	—	0.1	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.755	1.2	4.19	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0544	1.1	4.3	—	pCi/L	Y	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.606	1.5	4.6	—	pCi/L	Y	U	U	10-3651	CASA-10-22648	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.555	1.1	3.5	—	pCi/L	Y	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.52	1.6	5.6	—	pCi/L	Y	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.56	1.2	4.3	—	pCi/L	Y	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	696	—	—	1	uS/cm	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	714	—	—	1	uS/cm	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	719	—	—	1	uS/cm	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	651	—	—	1	uS/cm	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	712	—	—	1	uS/cm	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	280	—	—	1	ug/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	301	—	—	1	ug/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	314	—	—	1	ug/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	338	—	—	1	ug/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	301	—	—	1	ug/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0567	0.131	0.485	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0157	0.14	0.49	—	pCi/L	Y	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.129	0.086	0.28	—	pCi/L	Y	U	U	10-3651	CASA-10-22648	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0308	0.093	0.35	—	pCi/L	Y	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0589	0.14	0.49	—	pCi/L	Y	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0186	0.095	0.36	—	pCi/L	Y	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	67.3	—	—	1.33	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	75.5	—	—	1.33	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	78.4	—	—	1	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	79.6	—	—	1	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	84.9	—	—	1	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	456	—	—	3.4	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	471	—	—	3.4	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	491	—	—	3.4	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	454	—	—	3.4	mg/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	487	—	—	2.4	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.341	—	—	0.035	mg/L	Y	—	NQ	2013-264	CASA-13-24215	GELC
SCI-1	358.4	05/21/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.166	—	—	0.035	mg/L	Y	—	NQ	12-1311	CASA-12-14060	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.115	—	—	0.035	mg/L	Y	—	J+	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.179	—	—	0.035	mg/L	Y	—	U	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	11-2518	CASA-11-10805	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.01	—	—	0.017	mg/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.956	—	—	0.017	mg/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.842	—	—	0.015	mg/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.693	—	—	0.015	mg/L	Y	—	J	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.735	—	—	0.015	mg/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	56.6	45.7	152	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	60.72	9.22	2.33	—	pCi/L	Y	—	NQ	12-353	CASA-12-1373	ARSL
SCI-1	358.4	05/24/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	78.0528	11.8174	2.1896	—	pCi/L	Y	—	NQ	11-2519	CASA-11-10805	ARSL
SCI-1	358.4	11/16/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	301.167	45.241	2.576	—	pCi/L	N	—	R	11-556	CASA-11-1360	ARSL
SCI-1	358.4	11/16/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	88.1314	13.3308	2.576	—	pCi/L	Y	—	NQ	11-556	CASA-11-1360	ARSL
SCI-1	358.4	05/07/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	70.84	10.6904	1.8354	—	pCi/L	Y	—	NQ	10-3122	CASA-10-16757	ARSL
SCI-1	358.4	05/07/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	69.23	10.465	1.8354	—	pCi/L	N	—	R	10-3122	CASA-10-16757	ARSL
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.32	—	—	0.067	ug/L	Y	—	NQ	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.49	—	—	0.067	ug/L	Y	—	NQ	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Uranium	U	Y	3.09	—	—	0.067	ug/L	Y	—	NQ	12-352	CASA-12-1374	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.84	—	—	0.067	ug/L	N	—	R	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.95	—	—	0.067	ug/L	Y	—	NQ	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.06	—	—	0.067	ug/L	Y	—	NQ	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.34	0.0666	0.0734	—	pCi/L	Y	—	NQ	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.91	0.15	0.062	—	pCi/L	Y	—	NQ	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.59	0.14	0.14	—	pCi/L	Y	—	NQ	10-3651	CASA-10-22648	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.64	0.14	0.13	—	pCi/L	Y	—	NQ	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.45	0.12	0.068	—	pCi/L	Y	—	NQ	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.28	0.1	0.076	—	pCi/L	Y	—	NQ	09-2757	CASA-09-10350	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0352	0.0141	0.0459	—	pCi/L	Y	U	U	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0722	0.016	0.032	—	pCi/L	Y	—	NQ	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0166	0.015	0.061	—	pCi/L	Y	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0485	0.017	0.067	—	pCi/L	Y	U	U	10-3651	CASA-10-22648	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.072	0.016	0.039	—	pCi/L	Y	—	NQ	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0342	0.01	0.037	—	pCi/L	Y	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	11/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.636	0.0453	0.0499	—	pCi/L	Y	—	NQ	2013-264	CASA-13-24215	GELC
SCI-1	358.4	11/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.915	0.08	0.027	—	pCi/L	Y	—	NQ	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.814	0.085	0.086	—	pCi/L	Y	—	NQ	10-3651	CASA-10-22648	GELC
SCI-1	358.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.774	0.08	0.078	—	pCi/L	Y	—	NQ	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.677	0.063	0.044	—	pCi/L	Y	—	NQ	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.647	0.057	0.037	—	pCi/L	Y	—	NQ	09-2757	CASA-09-10350	GELC
SCI-1	358.4	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.17	—	—	1	ug/L	Y	J	J	2013-264	CASA-13-24223	GELC
SCI-1	358.4	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.07	—	—	1	ug/L	Y	J	J	12-1311	CASA-12-14065	GELC
SCI-1	358.4	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.08	—	—	1	ug/L	Y	J	J	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.13	—	—	1	ug/L	Y	J	J	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.25	—	—	1	ug/L	Y	J	J	11-2518	CASA-11-10804	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.65	—	—	0.01	SU	Y	H	NQ	2013-270	CASA-13-24224	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.58	—	—	0.01	SU	Y	H	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.65	—	—	0.01	SU	Y	H	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.67	—	—	0.01	SU	Y	H	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.66	—	—	0.01	SU	Y	H	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.51	—	—	0.01	SU	Y	H	J-	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	93.3	—	—	0.725	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.1	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.8	—	—	0.725	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.3	—	—	0.725	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.6	—	—	0.725	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.1	—	—	0.725	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.3	—	—	0.73	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0183	0.00782	0.0297	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00387	0.0039	0.03	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00643	0.0045	0.037	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00744	0.004	0.021	—	pCi/L	Y	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00092	0.011	0.031	—	pCi/L	Y	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0761	—	—	0.017	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0436	—	—	0.017	mg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.174	—	—	0.017	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0535	—	—	0.017	mg/L	Y	—	U	12-1318	CASA-12-14067	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.101	—	—	0.017	mg/L	Y	—	U	12-1318	CASA-12-14066	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0505	—	—	0.016	mg/L	Y	—	U	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.105	—	—	0.016	mg/L	Y	—	U	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	69.8	—	—	1	ug/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	69.2	—	—	1	ug/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	68.5	—	—	1	ug/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	66.4	—	—	1	ug/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	71.7	—	—	1	ug/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	65.1	—	—	1	ug/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	65.1	—	—	1	ug/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70	—	—	1	ug/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.6	—	—	15	ug/L	Y	J	J	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.7	—	—	15	ug/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	23.3	—	—	15	ug/L	Y	J	J	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.5	—	—	15	ug/L	Y	J	J	12-1318	CASA-12-14067	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.8	—	—	15	ug/L	Y	J	J	12-1318	CASA-12-14066	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	ug/L	Y	J	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.5	—	—	15	ug/L	Y	J	J	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.4	—	—	15	ug/L	Y	J	J	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.639	—	—	0.067	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.59	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.581	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.55	—	—	0.067	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.577	—	—	0.067	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.572	—	—	0.067	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.583	—	—	0.067	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.546	—	—	0.066	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.9	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.3	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	69.4	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.3	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.9	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.3	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.6	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	71.7	—	—	0.05	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.947	1.43	4.88	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.04	1.6	5.3	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.15	1.9	6.5	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.507	0.87	3	—	pCi/L	Y	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.84	1.5	4.4	—	pCi/L	Y	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	63.7	—	—	0.67	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	59.8	—	—	0.67	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	61.5	—	—	0.67	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.5	—	—	0.67	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.9	—	—	0.67	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	65.7	—	—	0.335	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	65.8	—	—	0.335	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	67.8	—	—	0.33	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	436	—	—	2	ug/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	491	—	—	2	ug/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	453	—	—	2	ug/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	433	—	—	2	ug/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	440	—	—	2	ug/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	450	—	—	2	ug/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	446	—	—	2	ug/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	501	—	—	10	ug/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.39	1.57	6.69	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.549	1.4	5.5	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.582	1.5	4.7	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.184	1.1	3.5	—	pCi/L	Y	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.807	1.7	5.9	—	pCi/L	Y	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	5.09	—	—	3	ug/L	Y	J	J	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	ug/L	Y	U	U	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	ug/L	Y	U	U	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	ug/L	Y	U	U	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	ug/L	Y	U	U	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	ug/L	Y	U	U	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	ug/L	Y	U	U	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	ug/L	Y	U	U	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.225	—	—	0.033	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.185	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.186	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.201	—	—	0.033	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.209	—	—	0.033	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.207	—	—	0.033	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.21	—	—	0.033	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.21	0.828	2.77	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.564	0.74	2.8	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.935	0.81	2.8	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.21	0.49	2.8	—	pCi/L	Y	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.37	0.85	2.6	—	pCi/L	Y	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.82	0.916	2.38	—	pCi/L	Y	—	NQ	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.43	1	2.9	—	pCi/L	Y	—	NQ	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.69	1.1	2.8	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.64	0.94	1.9	—	pCi/L	Y	—	NQ	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.65	0.96	2.5	—	pCi/L	Y	—	NQ	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	246	—	—	0.453	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	240	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	243	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	242	—	—	0.453	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	237	—	—	0.453	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	236	—	—	0.453	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	235	—	—	0.453	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	247	—	—	0.45	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.7	—	—	0.11	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.2	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.4	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.9	—	—	0.11	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.1	—	—	0.11	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.5	—	—	0.11	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.8	—	—	0.11	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.6	—	—	0.11	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.655	—	—	0.165	ug/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.727	—	—	0.165	ug/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.676	—	—	0.165	ug/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.586	—	—	0.165	ug/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.559	—	—	0.165	ug/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.636	—	—	0.165	ug/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.654	—	—	0.165	ug/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.684	—	—	0.17	ug/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.39	3.05	10.5	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.65	2.8	8.7	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.02	2.7	8.5	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.685	1.9	6.1	—	pCi/L	Y	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	21.4	13	43	—	pCi/L	Y	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	18.2	—	—	0.5	ug/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.6	—	—	0.5	ug/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	15.9	—	—	0.5	ug/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	19	—	—	0.5	ug/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.4	—	—	0.5	ug/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.9	—	—	0.5	ug/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.6	—	—	0.5	ug/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.5	—	—	2.5	ug/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.28	—	—	0.425	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.89	—	—	0.17	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.78	—	—	0.17	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.47	—	—	0.17	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.47	—	—	0.17	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.08	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.14	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.9	—	—	0.05	mg/L	Y	—	J-	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.942	—	—	0.05	ug/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	ug/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.03	—	—	0.1	ug/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.944	—	—	0.05	ug/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.943	—	—	0.05	ug/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.04	—	—	0.1	ug/L	Y	—	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	ug/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.07	—	—	0.1	ug/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00567	0.00567	0.0272	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00411	0.005	0.023	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00231	0.0033	0.031	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0037	0.0091	0.029	—	pCi/L	Y	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00226	0.0051	0.038	—	pCi/L	Y	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00567	0.00567	0.0453	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00822	0.0041	0.032	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0185	0.0087	0.031	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0074	0.0064	0.027	—	pCi/L	Y	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00678	0.006	0.026	—	pCi/L	Y	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.78	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.73	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.73	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.64	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.59	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.8	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.84	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.13	—	—	0.05	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13.4	19.2	80.6	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.7	19	71	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22.8	21	78	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.97	14	47	—	pCi/L	Y	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.14	22	77	—	pCi/L	Y	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.9	—	—	0.053	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.7	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.5	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.4	—	—	0.053	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.2	—	—	0.053	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.6	—	—	0.053	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.5	—	—	0.053	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.3	—	—	0.053	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.5	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.5	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.7	—	—	0.1	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.4	—	—	0.1	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.7	—	—	0.1	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.9	—	—	0.1	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.4	—	—	0.1	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.364	1.3	5.09	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.46	1.2	5.1	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.24	1.3	3.6	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.794	1.1	3.8	—	pCi/L	Y	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.83	1.6	4.7	—	pCi/L	Y	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	618	—	—	1	uS/cm	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	uS/cm	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	596	—	—	1	uS/cm	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	uS/cm	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	601	—	—	1	uS/cm	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	593	—	—	1	uS/cm	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	595	—	—	1	uS/cm	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	606	—	—	1	uS/cm	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	344	—	—	1	ug/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	336	—	—	1	ug/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	338	—	—	1	ug/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	329	—	—	1	ug/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	334	—	—	1	ug/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	337	—	—	1	ug/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	339	—	—	1	ug/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	350	—	—	1	ug/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0837	0.109	0.437	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0583	0.14	0.49	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.181	0.15	0.49	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	RE	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.303	0.15	0.49	—	pCi/L	Y	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	4.54	0.48	0.43	—	pCi/L	N	—	R	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0364	0.11	0.42	—	pCi/L	Y	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	91.7	—	—	1.33	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	85.4	—	—	1.33	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	88	—	—	1.33	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	84.9	—	—	1.33	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	86.2	—	—	1.33	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	90.3	—	—	0.665	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	90.3	—	—	0.665	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	92.2	—	—	0.5	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	429	—	—	3.4	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	396	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	400	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	433	—	—	3.4	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	411	—	—	3.4	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	416	—	—	3.4	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	376	—	—	3.4	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	406	—	—	3.4	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.088	—	—	0.035	mg/L	Y	J	J	2013-270	CASA-13-24216	GELC
SCI-2	548	08/13/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0591	—	—	0.035	mg/L	Y	J	J	12-1495	CASA-12-22309	GELC
SCI-2	548	08/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1495	CASA-12-21646	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	05/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.111	—	—	0.035	mg/L	Y	—	NQ	12-1318	CASA-12-14061	GELC
SCI-2	548	05/23/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.126	—	—	0.035	mg/L	Y	—	NQ	12-1318	CASA-12-14068	GELC
SCI-2	548	03/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.103	—	—	0.035	mg/L	Y	—	NQ	12-1053	CASA-12-11712	GELC
SCI-2	548	03/05/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.105	—	—	0.035	mg/L	Y	—	NQ	12-1053	CASA-12-11739	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0827	—	—	0.035	mg/L	Y	J	J+	12-331	CASA-12-1376	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0773	—	—	0.017	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0429	—	—	0.017	mg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0593	—	—	0.017	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0441	—	—	0.017	mg/L	Y	J	J	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0374	—	—	0.017	mg/L	Y	J	J	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0356	—	—	0.015	mg/L	Y	J	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0266	—	—	0.015	mg/L	Y	J	J	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.025	—	—	0.015	mg/L	Y	J	J	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	398	48.1	111	—	pCi/L	Y	—	NQ	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	491	87	180	—	pCi/L	Y	—	NQ	12-331	CASA-12-1376	GELC
SCI-2	548	06/02/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	337.585	50.8116	4.347	—	pCi/L	Y	—	NQ	11-2626	CASA-11-10807	ARSL
SCI-2	548	06/02/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.8372	0.5474	1.8676	—	pCi/L	N	U	R	11-2626	CASA-11-10807	ARSL
SCI-2	548	06/02/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	436.922	65.6558	2.9302	—	pCi/L	Y	—	NQ	11-2626	CASA-11-10809	ARSL
SCI-2	548	11/16/10	WG	UF	RE	REG	RAD	EPA:906.0	Tritium	H-3	Y	680.047	77.7339	206.996	—	pCi/L	Y	—	NQ	11-556	CASA-11-1363	ARSL
SCI-2	548	11/16/10	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	680.047	77.7339	206.996	—	pCi/L	N	—	R	11-556	CASA-11-1363	ARSL
SCI-2	548	05/06/10	WG	UF	RE	REG	RAD	EPA:906.0	Tritium	H-3	Y	505.135	78.7527	229.621	—	pCi/L	Y	—	NQ	10-3122	CASA-10-16763	ARSL
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	505.135	78.7527	229.621	—	pCi/L	Y	—	R	10-3122	CASA-10-16763	ARSL
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.06	—	—	0.067	ug/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.83	—	—	0.067	ug/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.63	—	—	0.067	ug/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.96	—	—	0.067	ug/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.86	—	—	0.067	ug/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.8	—	—	0.067	ug/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.84	—	—	0.067	ug/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.6	—	—	0.067	ug/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.02	0.0545	0.0641	—	pCi/L	Y	—	NQ	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.97	0.1	0.13	—	pCi/L	Y	—	J+	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.736	0.062	0.042	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.771	0.075	0.05	—	pCi/L	Y	—	NQ	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.797	0.067	0.051	—	pCi/L	Y	—	NQ	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0307	0.0123	0.04	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0325	0.017	0.07	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0346	0.0096	0.025	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00753	0.0054	0.046	—	pCi/L	Y	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0135	0.0064	0.029	—	pCi/L	Y	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.577	0.0401	0.0435	—	pCi/L	Y	—	NQ	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.532	0.068	0.059	—	pCi/L	Y	—	J+	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.429	0.04	0.029	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.393	0.045	0.046	—	pCi/L	Y	—	NQ	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.474	0.044	0.033	—	pCi/L	Y	—	NQ	10-1696	CASA-10-9489	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.3	—	—	1	ug/L	Y	J	J	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.56	—	—	1	ug/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.59	—	—	1	ug/L	Y	J	J	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.99	—	—	1	ug/L	Y	J	J	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.91	—	—	1	ug/L	Y	J	J	12-1318	CASA-12-14067	GELC

Table C-2 Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.76	—	—	1	ug/L	Y	J	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.62	—	—	1	ug/L	Y	J	J	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	ug/L	Y	U	U	12-331	CASA-12-1378	GELC

Appendix D

Groundwater Results Greater Than Half of Screening Levels

Zone	Location	Screen Top Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Prep Code	Analysis Type Code	Field Quality Control Code	Detect Flag	Report Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Intermediate	MCOI-6	686	11/02/12	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F[a]	INIT[b]	REG[c]	Y[d]	8.5	0.425	mg/L	25	—[e]	NQ[f]	NQ	Y	EPA:353.2	GELC[g]	10	EPA MCL[h]	0.85
Regional	R-11	855	11/05/12	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.93	0.425	mg/L	25	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.593
Regional	R-42	931.8	10/31/12	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.61	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.56
Regional	R-43 S1	903.9	11/07/12	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.35	0.085	mg/L	5	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.54
Intermediate	MCOI-5	689.04	10/30/12	General Chemistry	Perchlorate	ClO4	F	INIT	REG	Y	75	5	µg/L	100	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	18.75
Intermediate	MCOI-6	686	11/02/12	General Chemistry	Perchlorate	ClO4	F	INIT	REG	Y	63.5	5	µg/L	100	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	15.88
Regional	R-15	958.6	10/31/12	General Chemistry	Perchlorate	ClO4	F	INIT	REG	Y	7.86	0.5	µg/L	10	—	J[i]	PE12e[j]	Y	SW-846:6850	GELC	4	Consent Order	1.965
Regional	R-61 S1	1125	11/15/12	General Chemistry	Perchlorate	ClO4	F	INIT	REG	Y	6.13	0.5	µg/L	10	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	1.53
Intermediate	MCOI-6	686	11/02/12	Metals	Chromium	Cr	F	INIT	REG	Y	61.6	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD[k]	1.23
Intermediate	SCI-2	548	11/05/12	Metals	Chromium	Cr	F	INIT	REG	Y	436	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	8.72
Regional	R-28	934.3	10/31/12	Metals	Chromium	Cr	F	INIT	REG	Y	415	20	µg/L	10	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	8.3
Regional	R-42	931.8	10/31/12	Metals	Chromium	Cr	F	INIT	REG	Y	1010	40	µg/L	20	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	20.20
Regional	R-43 S1	903.9	11/07/12	Metals	Chromium	Cr	F	INIT	REG	Y	49.6	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	0.99
Regional	R-50 S1	1077	11/09/12	Metals	Chromium	Cr	F	RE[l]	REG	Y	96.3	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	1.93
Regional	R-62	1158.4	11/08/12	Metals	Chromium	Cr	F	INIT	REG	Y	128	10	µg/L	5	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	2.56
Regional	R-62	1158.4	11/08/12	Metals	Chromium	Cr	F	INIT	FD[m]	Y	133	10	µg/L	5	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	2.66
Intermediate	MCOI-5	689.04	10/30/12	SVOC[n]	Dioxane[1,4-]	123-91-1	UF[o]	INIT	REG	Y	5.28	3	µg/L	1	J[p]	J	J_LAB[q]	Y	SW-846:8270C	GELC	6.7	EPA TAP SCRN LVL[r]	0.79
Intermediate	MCOI-6	686	11/02/12	SVOC	Dioxane[1,4-]	123-91-1	UF	INIT	REG	Y	9.69	3.06	µg/L	1	J	J	J_LAB	Y	SW-846:8270C	GELC	6.7	EPA TAP SCRN LVL	1.45

[a] F = Filtered.

[b] INIT = Initial.

[c] REG = Regular.

[d] Y = Yes.

[e] — = None.

[f] NQ = Not qualified.

[g] GELC = General Engineering Laboratories, Inc., Charleston, SC.

[h] EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.

[i] In this column, J = The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.

[j] PE12e = The matrix spike/matrix spike duplicate percent recovery was greater than 10% but less than 75%.

[k] NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.

[l] RE = Reanalysis.

[m] FD = Field duplicate.

[n] SVOC = Semivolatile organic compound.

[o] UF = Unfiltered.

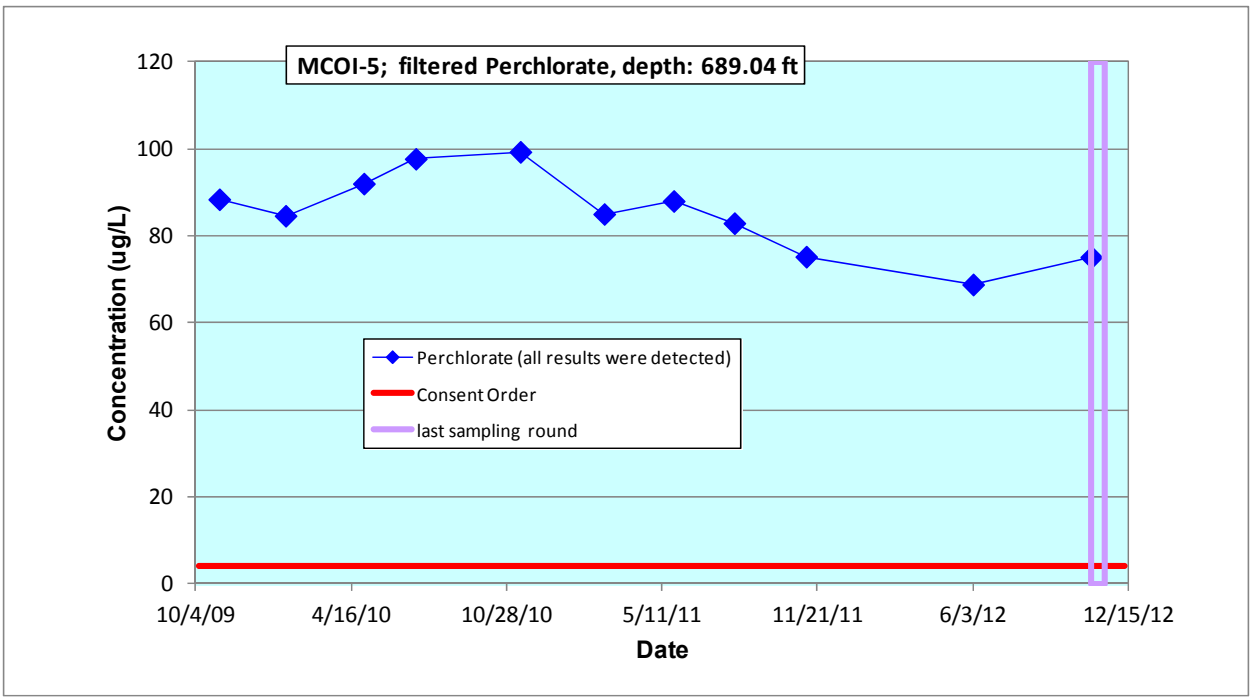
[p] In this column, J = The associated numerical value is an estimated quantity.

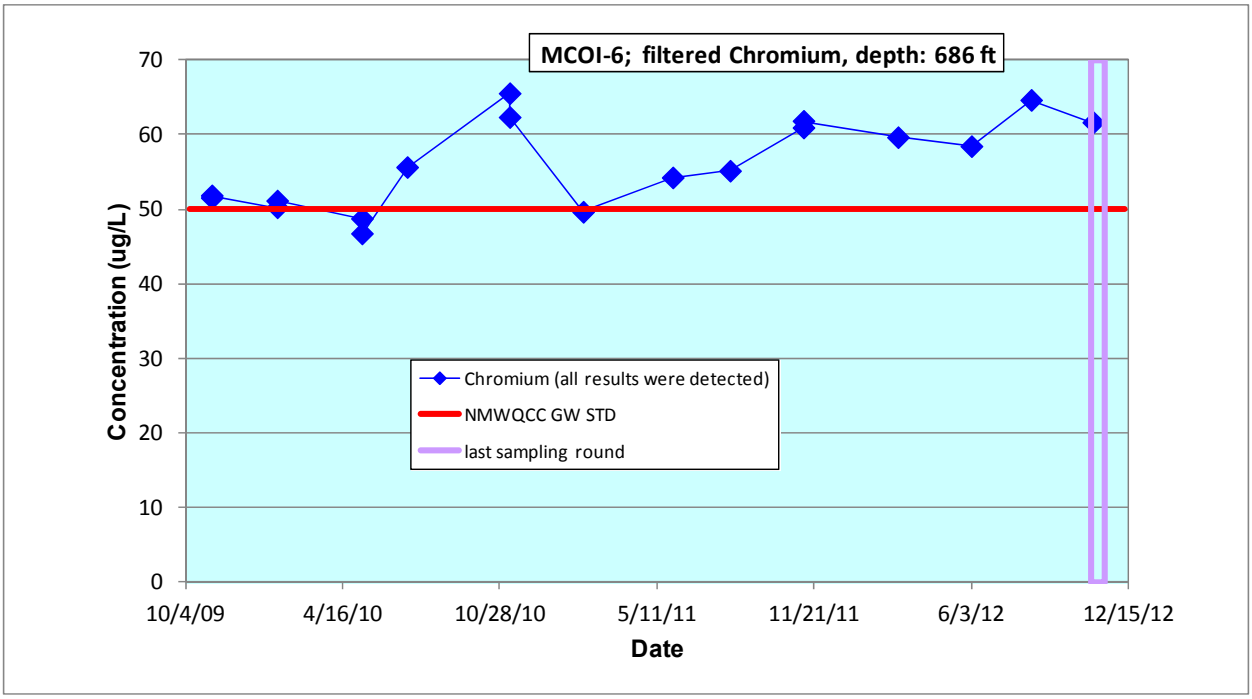
[q] J_LAB = The analytical laboratory qualified the detected result as estimated (J) because the result was less the practical quantitation limit but greater than the method detection limit.

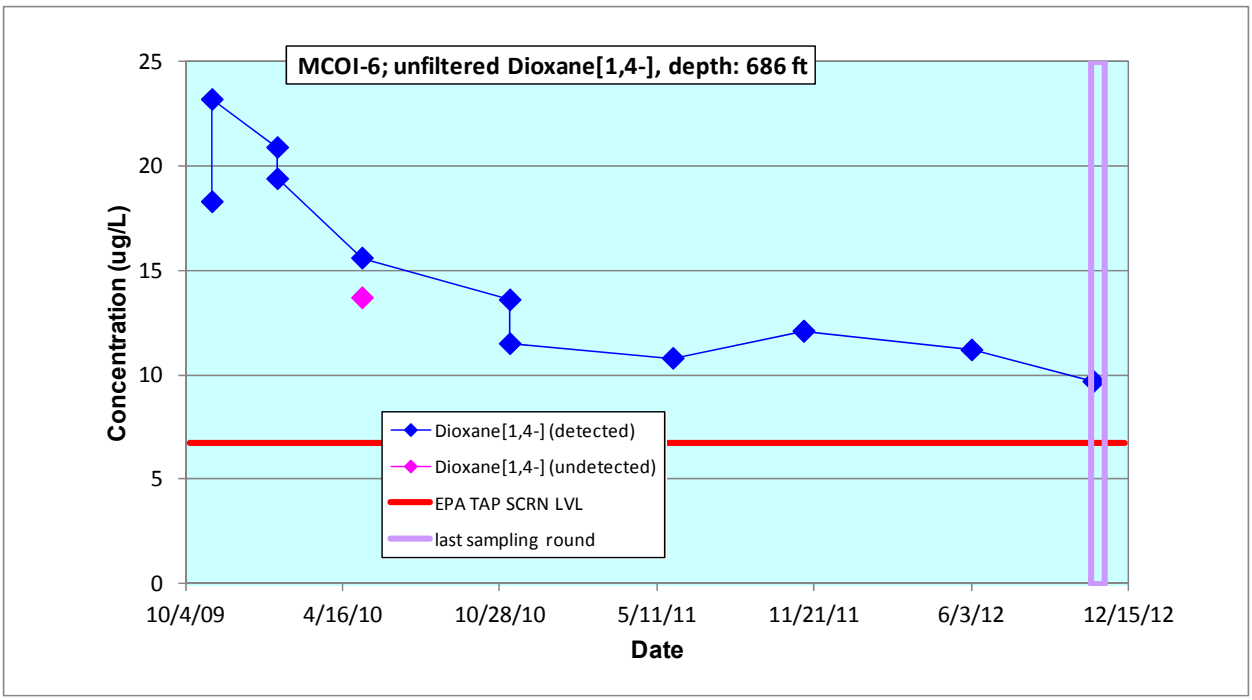
[r] EPA TAP SCRN LVL = U.S. Environmental Protection Agency regional screening level for tap water.

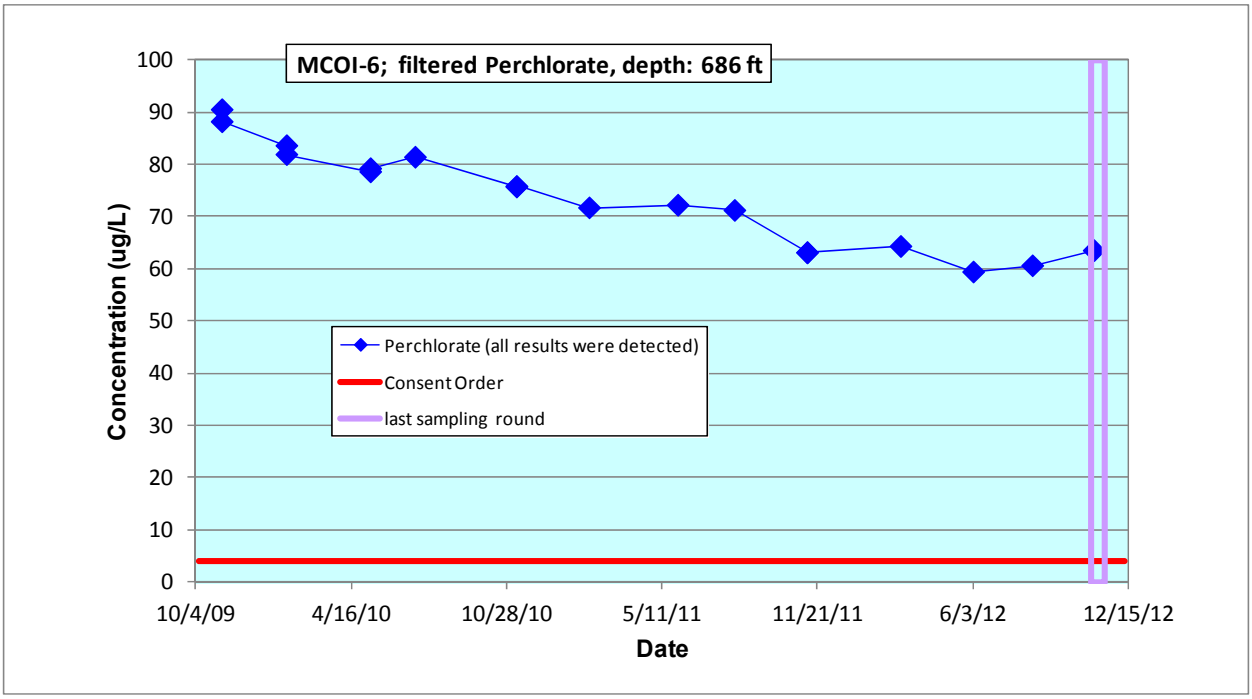
Appendix E

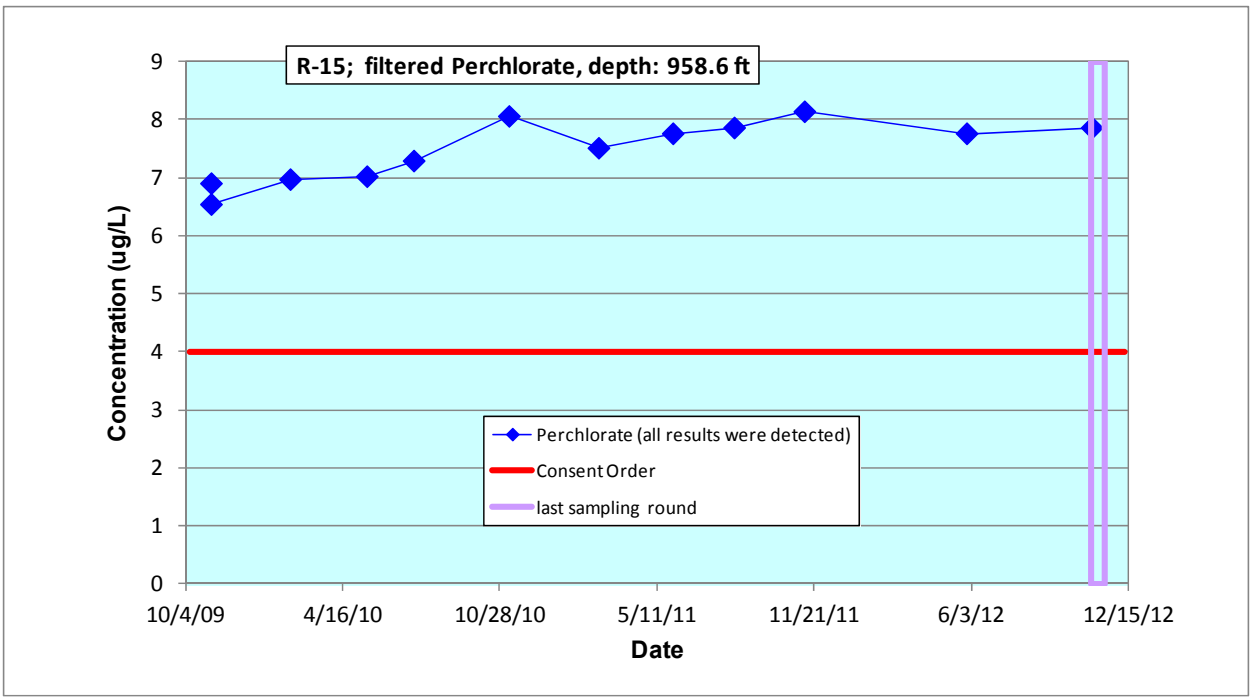
Analytical Chemistry Graphs of Screening-Level Exceedances

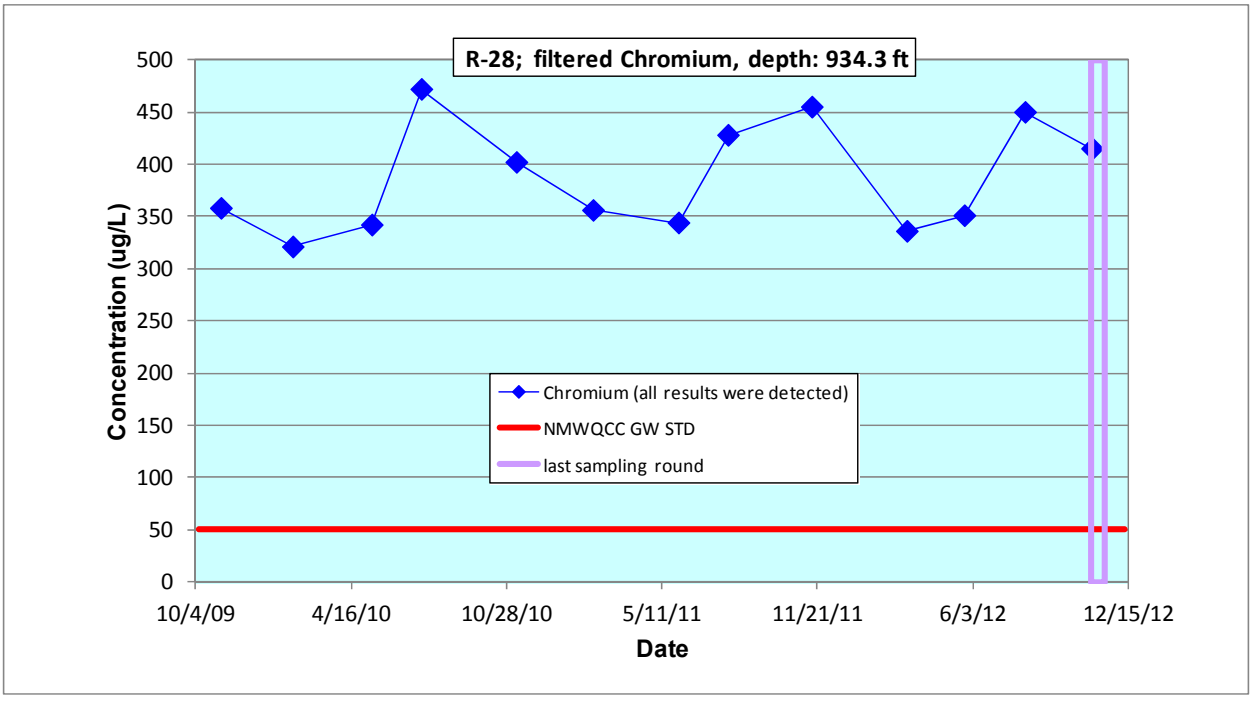

MCOI-5; filtered Perchlorate, depth: 689.04 ft
Concentration (ug/L)
120
100
80
60
40
20
0
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

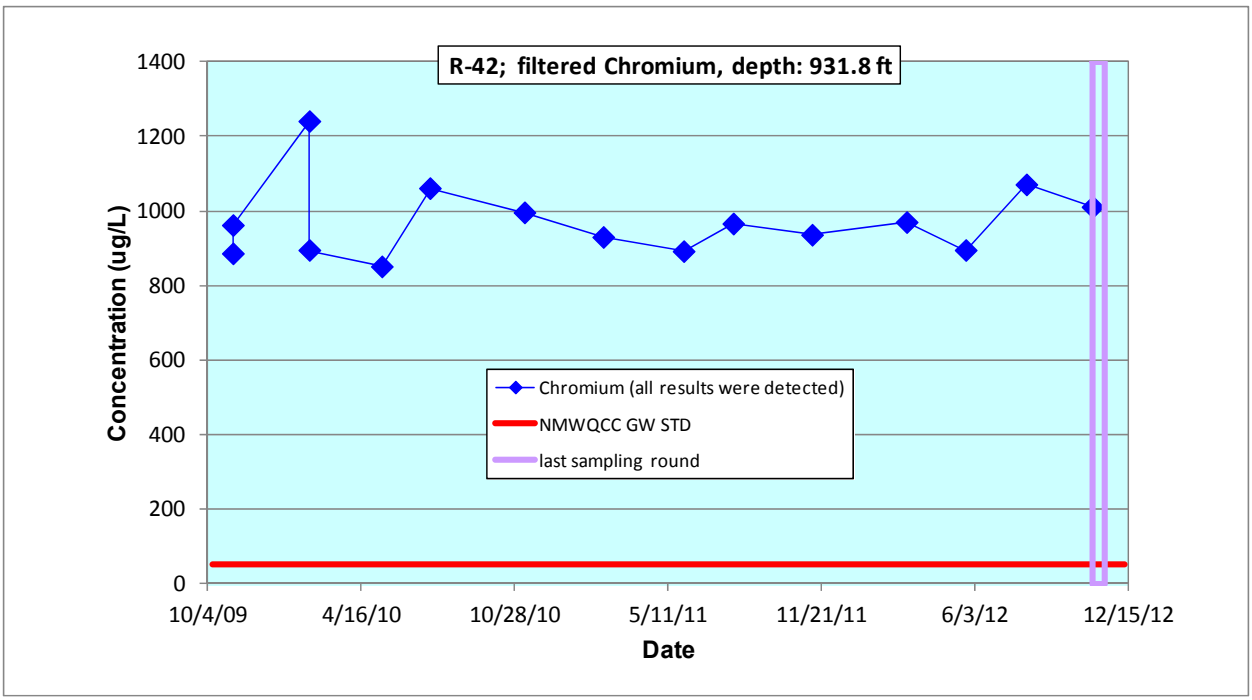

MCOI-6; filtered Chromium, depth: 686 ft
Concentration (ug/L)
70
60
50
40
30
20
10
0
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round

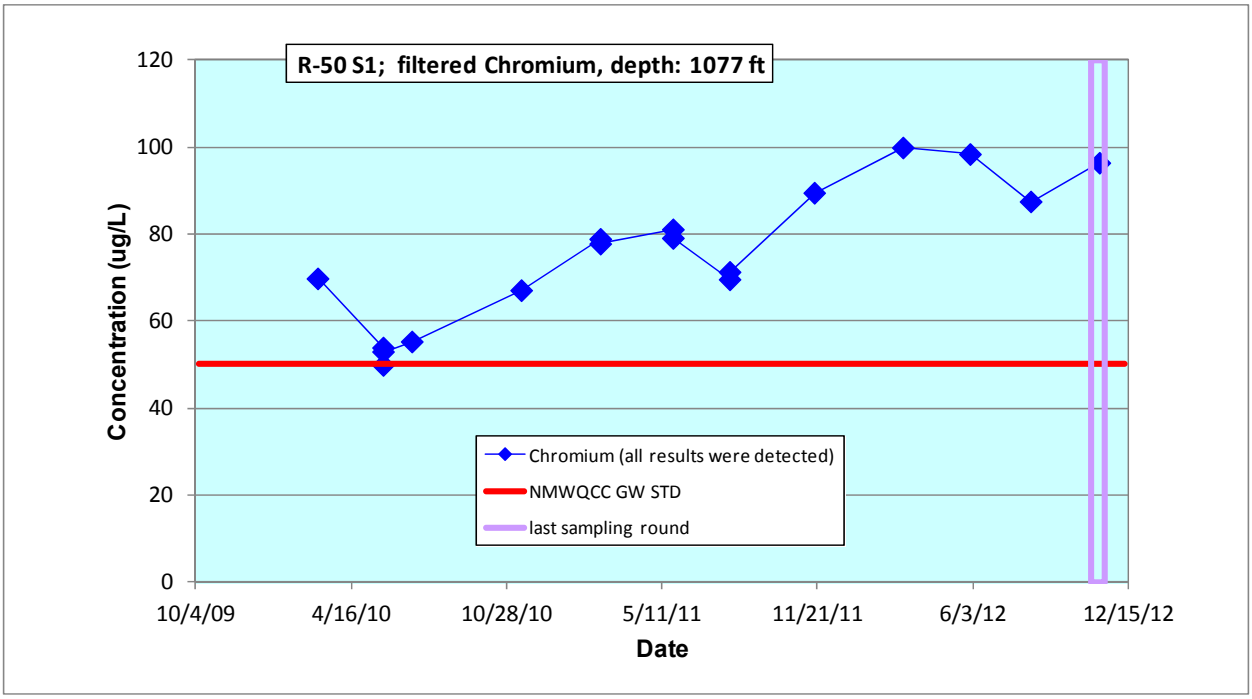

MCOI-6; unfiltered Dioxane[1,4-], depth: 686 ft
Concentration (ug/L)
25
20
15
10
5
0
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Dioxane[1,4-] (detected)
Dioxane[1,4-] (undetected)
EPA TAP SCRN LVL
last sampling round

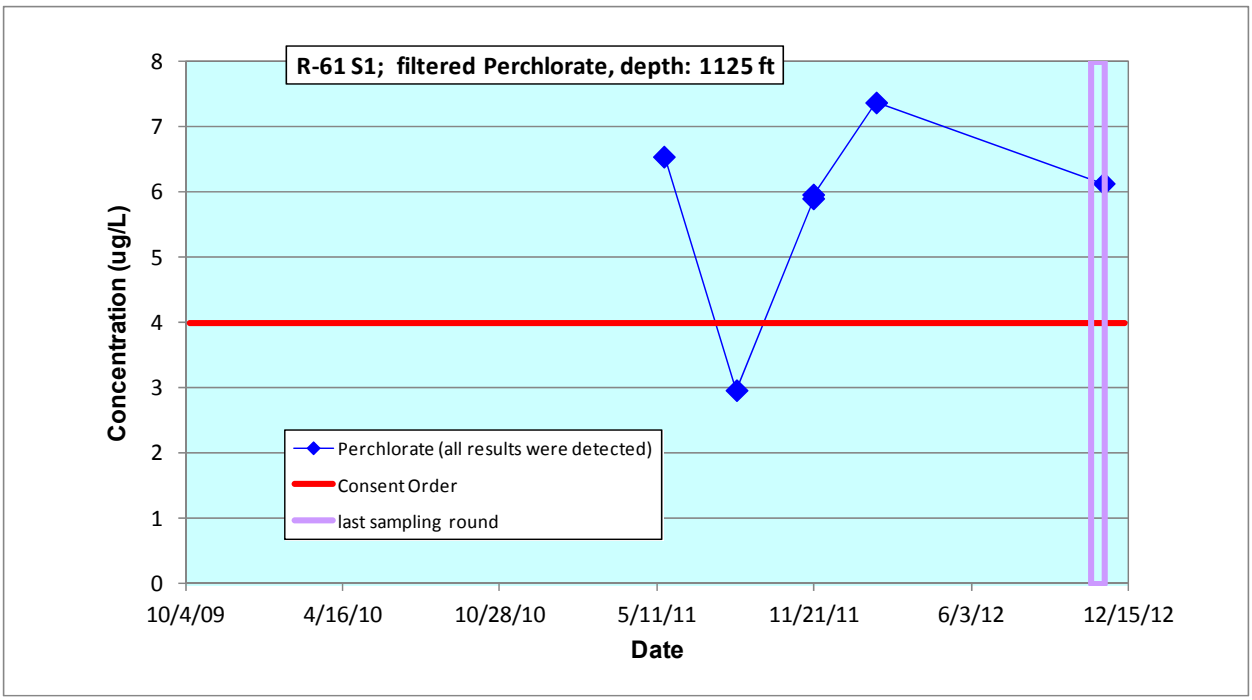

MCOI-6; filtered Perchlorate, depth: 686 ft
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

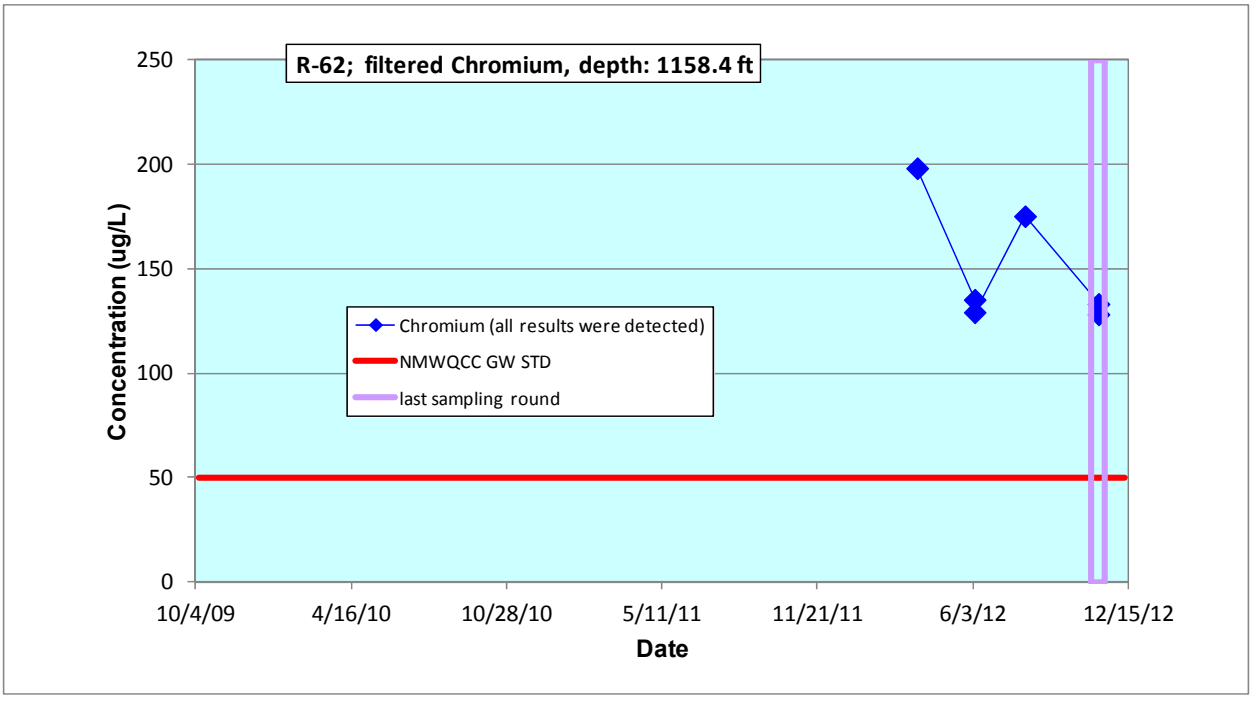

R-15; filtered Perchlorate, depth: 958.6 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

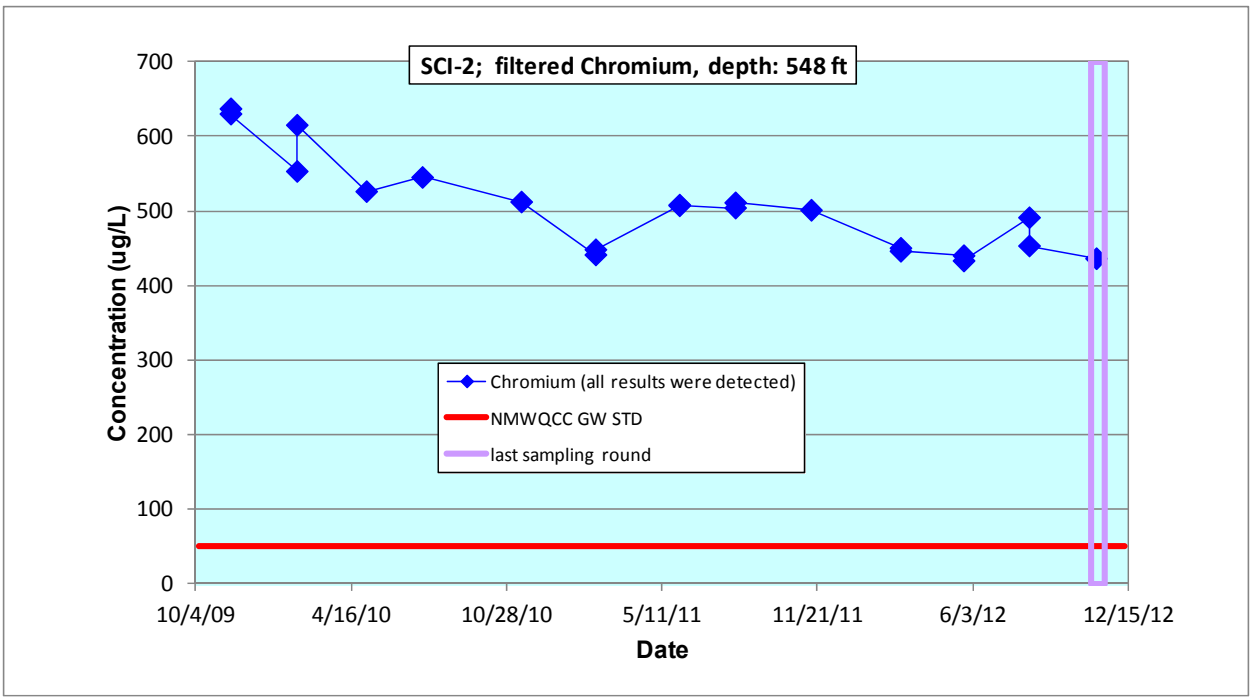

R-28; filtered Chromium, depth: 934.3 ft
Concentration (ug/L)
0
50
100
150
200
250
300
350
400
450
500
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round

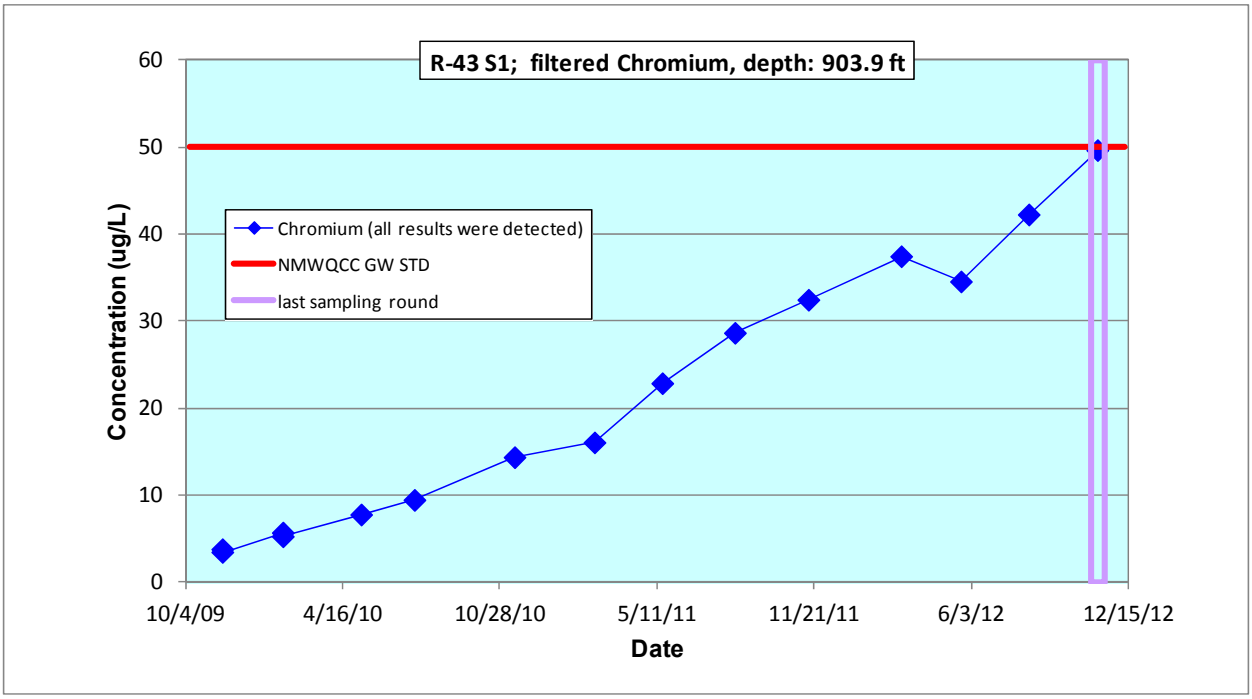

R-42; filtered Chromium, depth: 931.8 ft
Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round


R-50 S1; filtered Chromium, depth: 1077 ft
Concentration (ug/L)
120
100
80
60
40
20
0
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round


R-61 S1; filtered Perchlorate, depth: 1125 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round


R-62; filtered Chromium, depth: 1158.4 ft
Concentration (ug/L)
0
50
100
150
200
250
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round


SCI-2; filtered Chromium, depth: 548 ft
Concentration (ug/L)
700
600
500
400
300
200
100
0
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round


R-43 S1; filtered Chromium, depth: 903.9 ft
Concentration (ug/L)
60
50
40
30
20
10
0
10/4/09
4/16/10
10/28/10
5/11/11
11/21/11
6/3/12
12/15/12
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2013-246	INORGANIC	GELC[a]	CAMO-13-24255	10/30/12	MCOI-5	689.04	699
2013-246	INORGANIC	GELC	CAMO-13-24238	10/30/12	MCOI-5	689.04	699
2013-246	ORGANIC	GELC	CAMO-13-24238	10/30/12	MCOI-5	689.04	699
2013-246	RAD[b]	GELC	CAMO-13-24238	10/30/12	MCOI-5	689.04	699
2013-247	INORGANIC	GELC	CAMO-13-24257	10/30/12	R-1	1031.12	1057.42
2013-247	INORGANIC	GELC	CAMO-13-24240	10/30/12	R-1	1031.12	1057.42
2013-247	RAD	GELC	CAMO-13-24240	10/30/12	R-1	1031.12	1057.42
2013-251	RAD	ARSL[c]	CAMO-13-24240	10/30/12	R-1	1031.12	1057.42
2013-258	INORGANIC	GELC	CAMO-13-24258	10/31/12	R-13	958.33	1018.72
2013-258	INORGANIC	GELC	CAMO-13-24241	10/31/12	R-13	958.33	1018.72
2013-258	INORGANIC	GELC	CAMO-13-24260	10/31/12	R-28	934.3	958.1
2013-258	INORGANIC	GELC	CAMO-13-24243	10/31/12	R-28	934.3	958.1
2013-258	RAD	GELC	CAMO-13-24241	10/31/12	R-13	958.33	1018.72
2013-258	RAD	GELC	CAMO-13-24243	10/31/12	R-28	934.3	958.1
2013-259	INORGANIC	GELC	CAMO-13-24259	10/31/12	R-15	958.6	1020.3
2013-259	INORGANIC	GELC	CAMO-13-24242	10/31/12	R-15	958.6	1020.3
2013-259	INORGANIC	GELC	CAMO-13-24261	10/31/12	R-42	931.8	952.9
2013-259	INORGANIC	GELC	CAMO-13-24244	10/31/12	R-42	931.8	952.9
2013-259	RAD	GELC	CAMO-13-24244	10/31/12	R-42	931.8	952.9
2013-264	INORGANIC	GELC	CASA-13-24223	11/02/12	SCI-1	358.4	377.9
2013-264	INORGANIC	GELC	CASA-13-24215	11/02/12	SCI-1	358.4	377.9
2013-264	ORGANIC	GELC	CASA-13-24215	11/02/12	SCI-1	358.4	377.9
2013-264	RAD	GELC	CASA-13-24215	11/02/12	SCI-1	358.4	377.9
2013-267	INORGANIC	GELC	CAMO-13-24256	11/02/12	MCOI-6	686	708.3
2013-267	INORGANIC	GELC	CAMO-13-24239	11/02/12	MCOI-6	686	708.3
2013-267	ORGANIC	GELC	CAMO-13-24239	11/02/12	MCOI-6	686	708.3
2013-267	RAD	GELC	CAMO-13-24239	11/02/12	MCOI-6	686	708.3
2013-270	INORGANIC	GELC	CASA-13-24217	11/05/12	R-11	855	877.9
2013-270	INORGANIC	GELC	CASA-13-24209	11/05/12	R-11	855	877.9
2013-270	INORGANIC	GELC	CASA-13-24224	11/05/12	SCI-2	548	568
2013-270	INORGANIC	GELC	CASA-13-24216	11/05/12	SCI-2	548	568
2013-270	ORGANIC	GELC	CASA-13-24216	11/05/12	SCI-2	548	568
2013-270	RAD	GELC	CASA-13-24209	11/05/12	R-11	855	877.9
2013-270	RAD	GELC	CASA-13-24216	11/05/12	SCI-2	548	568
2013-276	INORGANIC	GELC	CAMO-13-24264	11/06/12	R-45 S1	880	890
2013-276	INORGANIC	GELC	CAMO-13-24247	11/06/12	R-45 S1	880	890
2013-276	INORGANIC	GELC	CAMO-13-24265	11/06/12	R-45 S2	974.9	994.9
2013-276	INORGANIC	GELC	CAMO-13-24248	11/06/12	R-45 S2	974.9	994.9

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2013-276	RAD	GELC	CAMO-13-24247	11/06/12	R-45 S1	880	890
2013-276	RAD	GELC	CAMO-13-24248	11/06/12	R-45 S2	974.9	994.9
2013-282	RAD	ARSL	CAMO-13-24228	11/08/12	R-62	1158.4	1179.1
2013-282	RAD	ARSL	CAMO-13-24253	11/08/12	R-62	1158.4	1179.1
2013-286	INORGANIC	GELC	CASA-13-24221	11/07/12	R-43 S1	903.9	924.6
2013-286	INORGANIC	GELC	CASA-13-24213	11/07/12	R-43 S1	903.9	924.6
2013-286	INORGANIC	GELC	CASA-13-24222	11/07/12	R-43 S2	969.1	979.1
2013-286	INORGANIC	GELC	CASA-13-24214	11/07/12	R-43 S2	969.1	979.1
2013-286	RAD	GELC	CASA-13-24213	11/07/12	R-43 S1	903.9	924.6
2013-286	RAD	GELC	CASA-13-24214	11/07/12	R-43 S2	969.1	979.1
2013-291	RAD	ARSL	CAMO-13-24241	10/31/12	R-13	958.33	1018.72
2013-291	RAD	ARSL	CAMO-13-24242	10/31/12	R-15	958.6	1020.3
2013-291	RAD	ARSL	CAMO-13-24247	11/06/12	R-45 S1	880	890
2013-291	RAD	ARSL	CAMO-13-24248	11/06/12	R-45 S2	974.9	994.9
2013-293	RAD	ARSL	CASA-13-24209	11/05/12	R-11	855	877.9
2013-293	RAD	ARSL	CASA-13-24213	11/07/12	R-43 S1	903.9	924.6
2013-293	RAD	ARSL	CASA-13-24214	11/07/12	R-43 S2	969.1	979.1
2013-297	INORGANIC	GELC	CAMO-13-24253	11/08/12	R-62	1158.4	1179.1
2013-297	INORGANIC	GELC	CAMO-13-24229	11/08/12	R-62	1158.4	1179.1
2013-297	INORGANIC	GELC	CAMO-13-24228	11/08/12	R-62	1158.4	1179.1
2013-297	INORGANIC	GELC	CAMO-13-24270	11/08/12	R-62	1158.4	1179.1
2013-297	ORGANIC	GELC	CAMO-13-24228	11/08/12	R-62	1158.4	1179.1
2013-297	ORGANIC	GELC	CAMO-13-24253	11/08/12	R-62	1158.4	1179.1
2013-297	RAD	GELC	CAMO-13-24228	11/08/12	R-62	1158.4	1179.1
2013-297	RAD	GELC	CAMO-13-24253	11/08/12	R-62	1158.4	1179.1
2013-298	ORGANIC	CFA[d]	CAMO-13-24253	11/08/12	R-62	1158.4	1179.1
2013-298	ORGANIC	CFA	CAMO-13-24228	11/08/12	R-62	1158.4	1179.1
2013-306	INORGANIC	GELC	CAMO-13-24266	11/09/12	R-50 S1	1077	1087
2013-306	INORGANIC	GELC	CAMO-13-24249	11/09/12	R-50 S1	1077	1087
2013-306	INORGANIC	GELC	CAMO-13-24267	11/09/12	R-50 S2	1185	1205.6
2013-306	INORGANIC	GELC	CAMO-13-24250	11/09/12	R-50 S2	1185	1205.6
2013-306	ORGANIC	GELC	CAMO-13-24250	11/09/12	R-50 S2	1185	1205.6
2013-306	RAD	GELC	CAMO-13-24249	11/09/12	R-50 S1	1077	1087
2013-306	RAD	GELC	CAMO-13-24250	11/09/12	R-50 S2	1185	1205.6
2013-306-1	INORGANIC	GELC	CAMO-13-24266	11/09/12	R-50 S1	1077	1087
2013-306-1	INORGANIC	GELC	CAMO-13-24267	11/09/12	R-50 S2	1185	1205.6
2013-307	INORGANIC	GELC	CAMO-13-24245	11/12/12	R-44 S1	895	905
2013-307	INORGANIC	GELC	CAMO-13-24262	11/12/12	R-44 S1	895	905
2013-307	INORGANIC	GELC	CAMO-13-24263	11/12/12	R-44 S2	985.3	995.2

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2013-307	INORGANIC	GELC	CAMO-13-24246	11/12/12	R-44 S2	985.3	995.2
2013-307	RAD	GELC	CAMO-13-24245	11/12/12	R-44 S1	895	905
2013-307	RAD	GELC	CAMO-13-24246	11/12/12	R-44 S2	985.3	995.2
2013-312	INORGANIC	GELC	CASA-13-24218	11/13/12	R-35a	1013.1	1062.2
2013-312	INORGANIC	GELC	CASA-13-24210	11/13/12	R-35a	1013.1	1062.2
2013-312	RAD	GELC	CASA-13-24210	11/13/12	R-35a	1013.1	1062.2
2013-313	RAD	ARSL	CAMO-13-24245	11/12/12	R-44 S1	895	905
2013-313	RAD	ARSL	CAMO-13-24246	11/12/12	R-44 S2	985.3	995.2
2013-313	RAD	ARSL	CAMO-13-24249	11/09/12	R-50 S1	1077	1087
2013-313	RAD	ARSL	CAMO-13-24250	11/09/12	R-50 S2	1185	1205.6
2013-315	RAD	ARSL	CASA-13-24210	11/13/12	R-35a	1013.1	1062.2
2013-320	RAD	ARSL	CASA-13-24211	11/14/12	R-35b	825.4	848.5
2013-321	INORGANIC	GELC	CASA-13-24219	11/14/12	R-35b	825.4	848.5
2013-321	INORGANIC	GELC	CASA-13-24211	11/14/12	R-35b	825.4	848.5
2013-321	RAD	GELC	CASA-13-24211	11/14/12	R-35b	825.4	848.5
2013-322	INORGANIC	GELC	CASA-13-24212	11/14/12	R-36	766.9	789.9
2013-322	INORGANIC	GELC	CASA-13-24207	11/14/12	R-36	766.9	789.9
2013-322	INORGANIC	GELC	CASA-13-24206	11/14/12	R-36	766.9	789.9
2013-322	INORGANIC	GELC	CASA-13-24220	11/14/12	R-36	766.9	789.9
2013-322	ORGANIC	GELC	CASA-13-24212	11/14/12	R-36	766.9	789.9
2013-322	ORGANIC	GELC	CASA-13-24206	11/14/12	R-36	766.9	789.9
2013-322	RAD	GELC	CASA-13-24212	11/14/12	R-36	766.9	789.9
2013-322	RAD	GELC	CASA-13-24206	11/14/12	R-36	766.9	789.9
2013-334	INORGANIC	GELC	CAMO-13-24268	11/15/12	R-61 S1	1125	1135
2013-334	INORGANIC	GELC	CAMO-13-24251	11/15/12	R-61 S1	1125	1135
2013-334	INORGANIC	GELC	CAMO-13-24269	11/15/12	R-61 S2	1220.4	1241
2013-334	INORGANIC	GELC	CAMO-13-24252	11/15/12	R-61 S2	1220.4	1241
2013-334	ORGANIC	GELC	CAMO-13-24251	11/15/12	R-61 S1	1125	1135
2013-334	ORGANIC	GELC	CAMO-13-24252	11/15/12	R-61 S2	1220.4	1241
2013-334	RAD	GELC	CAMO-13-24251	11/15/12	R-61 S1	1125	1135
2013-334	RAD	GELC	CAMO-13-24252	11/15/12	R-61 S2	1220.4	1241
2013-352	ORGANIC	CFA	CAMO-13-24251	11/15/12	R-61 S1	1125	1135
2013-352	ORGANIC	CFA	CAMO-13-24252	11/15/12	R-61 S2	1220.4	1241

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2013-360	RAD	ARSL	CAMO-13-24251	11/15/12	R-61 S1	1125	1135
2013-360	RAD	ARSL	CAMO-13-24252	11/15/12	R-61 S2	1220.4	1241
2013-362	RAD	ARSL	CASA-13-24212	11/14/12	R-36	766.9	789.9
2013-362	RAD	ARSL	CASA-13-24206	11/14/12	R-36	766.9	789.9

[a] GELC = General Engineering Laboratories, Inc., Charleston, SC.

[b] RAD = Radiochemistry (not gamma).

[c] ARSL = American Radiation Services, Inc.

[d] CFA = Cape Fear Analytical, LLC.