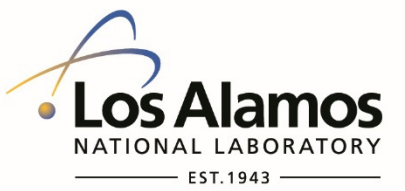
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# Periodic Monitoring Report for Chromium Investigation Monitoring Group, November 5–November 21, 2014



Prepared by the Environmental Programs Directorate

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EP2015-0077

# Periodic Monitoring Report for Chromium Investigation Monitoring Group, November 5–November 21, 2014

May 2015

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## EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the fiscal year 2015, 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 2015 Monitoring Year, October 2014–September 2015, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from November 5 to November 21, 2014, 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 from previous sampling of PME groundwater monitoring locations reported in this PMR were above screening levels. Thirteen results from groundwater samples collected during this PME were above screening levels.

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| | |
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**Acronyms and Abbreviations**

| | |
|---|---|
| amsl | above mean sea level |
| AOC | area of concern |
| AQA | Analytical Quality Associates, Inc. |
| BCG | Biota Concentration Guide (DOE) |
| CAS | Chemical Abstracts Service |
| CFR | Code of Federal Regulations (U.S.) |
| Consent Order | Compliance Order on Consent |
| DCS | Derived Concentration Technical Standard (DOE) |
| DOE | Department of Energy (U.S.) |
| EPA | Environmental Protection Agency (U.S.) |
| ESH | Environment, Safety, and Health (Directorate) |
| F | filtered |
| gpm | gallons per minute |
| IFGMP | Interim Facility-Wide Groundwater Monitoring Plan |
| LANL | Los Alamos National Laboratory |
| MCL | maximum contaminant level (EPA) |
| MDL | method detection limit |
| N | no (best value flag code) |
| NMAC | New Mexico Administrative Code |
| NMED | New Mexico Environment Department |
| NM HH OO | Human health organism only, New Mexico surface-water standards |
| 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 |
| SOP | standard operating procedure |
| SWMU | solid waste management unit |
| TA | technical area |
| UF | unfiltered |
| Y | yes (best value flag code) |

## 1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of fiscal year 2015, first quarter, quarterly groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Chromium Investigation monitoring group. Monitoring was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2015 Monitoring Year, October 2014–September 2015 (2015 IFGMP) (LANL 2014, 256728), which was prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from November 5 to November 21, 2014, 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 discharge was suspended in 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 (SWMUs) and areas of concern (AOCs) are located within the portions of these TAs in the Sandia Canyon watershed.

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. TAs located in the Mortandad Canyon watershed include TA-03, TA-05, TA-35, TA-48, TA-50, TA-52, TA-55, TA-60, TA-63, former TA-04, and former TA-42. A total of 257 SWMUs and AOCs are located within the portions of these TAs in the Mortandad Canyon watershed.

Chromium concentrations exceed the NMED groundwater standard in Mortandad Canyon regional aquifer wells R-28, R-62, R-42, R-43, and R-50. The primary source of chromium is chromated water discharged from the TA-03 power plant cooling tower that occurred from 1956 to 1972. Perchlorate exceeds the Consent Order screening level of 4 µg/L in wells R-15 and R-61. The primary source of perchlorate is effluent discharged from the TA-50 RLWTF. Other constituents detected above background in wells in the monitoring group include nitrate and tritium. A conceptual model for the sources and distribution of these contaminants is presented in the Investigation Report for Sandia Canyon (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 Investigation Report for Sandia Canyon (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 2015 IFGMP (LANL 2014, 256728).

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 2015 IFGMP (LANL 2014, 256728).

### 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 method detection limits (MDLs) are greater than screening levels. Some of the analytes were measured using more than one analytical method or analytical laboratory, leading to a range of MDLs. For some of these analytes, the MDL is much lower than for earlier analyses. Table 3.4-3 presents a list of analytes for which the MDLs are now below screening levels. The tables apply to the results with the lowest MDL, so the analytical method and analytical laboratory are included in the tables for reference.

## 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 2015 IFGMP (LANL 2014, 256728). 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-010.3, Land Application of Groundwater. ENV-RCRA-QP-010.3 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 listed at http://www.lanl.gov/community-environment/environmental-stewardship/plans-procedures.php and are available at eprr.lanl.gov. 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 blanks, 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://intellusnm.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) 6.4.900.
- 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. This report was prepared using the November 2014 EPA regional screening levels.
- 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 Technical Standards (DCSs) 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. Appendix E contains all locations where screening levels were exceeded, not just those scheduled to be sampled during this PME. 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 through 4.2-3 show concentrations at all locations from the current PME for analytes that exceeded their screening levels 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 86.1 µg/L and 62.3 µg/L, respectively, above the Consent Order screening level of 4 µg/L. The MCOI-6 result was from the primary sample, with a concentration of 60.7 µg/L in the field duplicate. The results from MCOI-5 since 2007 range between 68.7 µg/L and 105 µg/L. At MCOI-6, concentrations since 2007 have decreased from 190 µg/L to a recent result of 56.3 µg/L.

In MCOI-6, the filtered chromium concentration of 69.8 µg/L in the primary sample was above the NMWQCC groundwater standard screening level of 50 µg/L. The field duplicate result was 69.3 µg/L. Concentrations have increased from 29.4 µg/L to a maximum of 81.3 µg/L since 2007.

The filtered chromium result of 416 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.

The unfiltered 1,4-dioxane concentrations in samples from MCOI-5 and MCOI-6 of 10 µg/L and 9.33 µg/L, respectively, were above the EPA tap water screening level of 7.8 µg/L. The MCOI-6 result was from the primary sample, with a concentration of 8.66 µg/Lin the field duplicate. The results are estimated because they are near the MDL. Concentrations at MCOI-6 have decreased from 29.6 µg/L since August 2007. At MCOI-5, the current measurement is the highest taken since 2008.

The perchlorate concentration in regional well R-15 was 8.03 µg/L, above the Consent Order screening level of 4 µg/L. Other values from R-15 measured by the liquid chromatography/mass spectrometry method since 2003 range from 4.6 µg/L to 8.42 µg/L, though many are estimated.

The perchlorate concentration in regional aquifer well R-61 S1 (screen 1) of 8.78 µg/L was above the Consent Order screening level of 4 µg/L. This is the highest concentration measured at the screen. Earlier measurements range from 2.96 µg/L to 8.67 µg/L.

In regional well R-28, the filtered chromium concentration was 421 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 908 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Other concentrations measured since 2008 range from 744 µg/L to 1240 µg/L.

At regional aquifer well R-43 S1 (screen 1), the filtered chromium concentration was 106 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations have risen steadily from the first nondetected results in late 2008. The current result is the highest measured at the screen.

The filtered chromium concentration from regional aquifer well R-50 S1 was 84.6 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 126 µg/L.

The filtered chromium concentration from regional aquifer well R-62 was 104 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Previous results are between 123 µg/L and 240 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 R-61 was affected by impacts from drilling and well construction, and data from this well may not be representative of aquifer conditions. With the exception of the first sampling round from R-61, data showed elevated concentrations of dissolved iron and manganese and low concentrations of chromium, indicating reducing conditions in the vicinity of both well screens.

R-61 was redeveloped in October 2012. Following redevelopment, samples collected from screen 1 showed mitigated reducing conditions and more representative geochemistry. However, samples from screen 2 continued to show elevated concentrations of dissolved iron and manganese, indicating persistent reducing conditions in the vicinity of this screen. Sampling of R-61 screen 2 was discontinued for quarters 3 and 4 of monitoring year 2014 because of the continued reducing conditions at this screen.

In June 2014, the Laboratory provided a report, Evaluation of Regional Well R-61 (LANL 2014, 257586) to NMED that included an extensive review of post-redevelopment data from R-61 screen 1 to assess whether data from this screen are representative and sufficient to support ongoing monitoring for the Chromium Investigation monitoring group. The report recommended that R-61 screen 1 be retained in the monitoring network as a single-screen well, with an extended purging protocol to improve representativeness of samples. NMED responded to the Laboratory's R-61 report in December 2014 (NMED 2014, 600065), stating that groundwater samples collected at R-61 for contaminant monitoring and detection do not meet requirements included in the March 2005 Consent Order. NMED requested the Laboratory submit a well-replacement drilling work plan for R-61 by February 2, 2015. The Drilling Work Plan for Regional Aquifer Well R-61r was submitted by the Laboratory on February 2, 2015 (LANL 2015, 600175), and an approval with modification was received from NMED on April 1, 2015 (NMED 2015, 600334).

## 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 from previous sampling of PME monitoring locations reported in this PMR were above screening levels. Thirteen 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, with some exceptions. The 1,4-dioxane concentration at MCOI-5, the chromium concentration at R-43 S1, and the perchlorate concentration at R-61 S1 are the highest to date.

### 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 or ESH ID. This information is also included in text citations. ER IDs were assigned by the Environmental Programs Directorate's Records Processing Facility (IDs through 599999), and ESH IDs are assigned by the Environment, Safety, and Health (ESH) Directorate (IDs 600000 and above). IDs are used to locate documents in the Laboratory's Electronic Document Management System and, where applicable, in the master reference set.*

*Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau and the ESH 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)

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LANL (Los Alamos National Laboratory), June 2014. "Evaluation of Regional Well R-61," Los Alamos National Laboratory document LA-UR-14-22583, Los Alamos, New Mexico. (LANL 2014, 257586)

LANL (Los Alamos National Laboratory), February 2015. "Drilling Work Plan for Regional Aquifer Well R-61r," Los Alamos National Laboratory document LA-UR-15-20305, Los Alamos, New Mexico. (LANL 2015, 600175)

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), December 2, 2014. "Evaluation of Regional Well R-61," New Mexico Environment Department letter to P. Maggiore (DOE-NA-LA) and M. Brandt (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2014, 600065)

NMED (New Mexico Environment Department), April 1, 2015. "Approval with Modification, Drilling Work Plan for Regional Aquifer Well R-61r," New Mexico Environment Department letter to P. Maggiore (DOE-NA-LA) and M. Brandt (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2015, 600334)

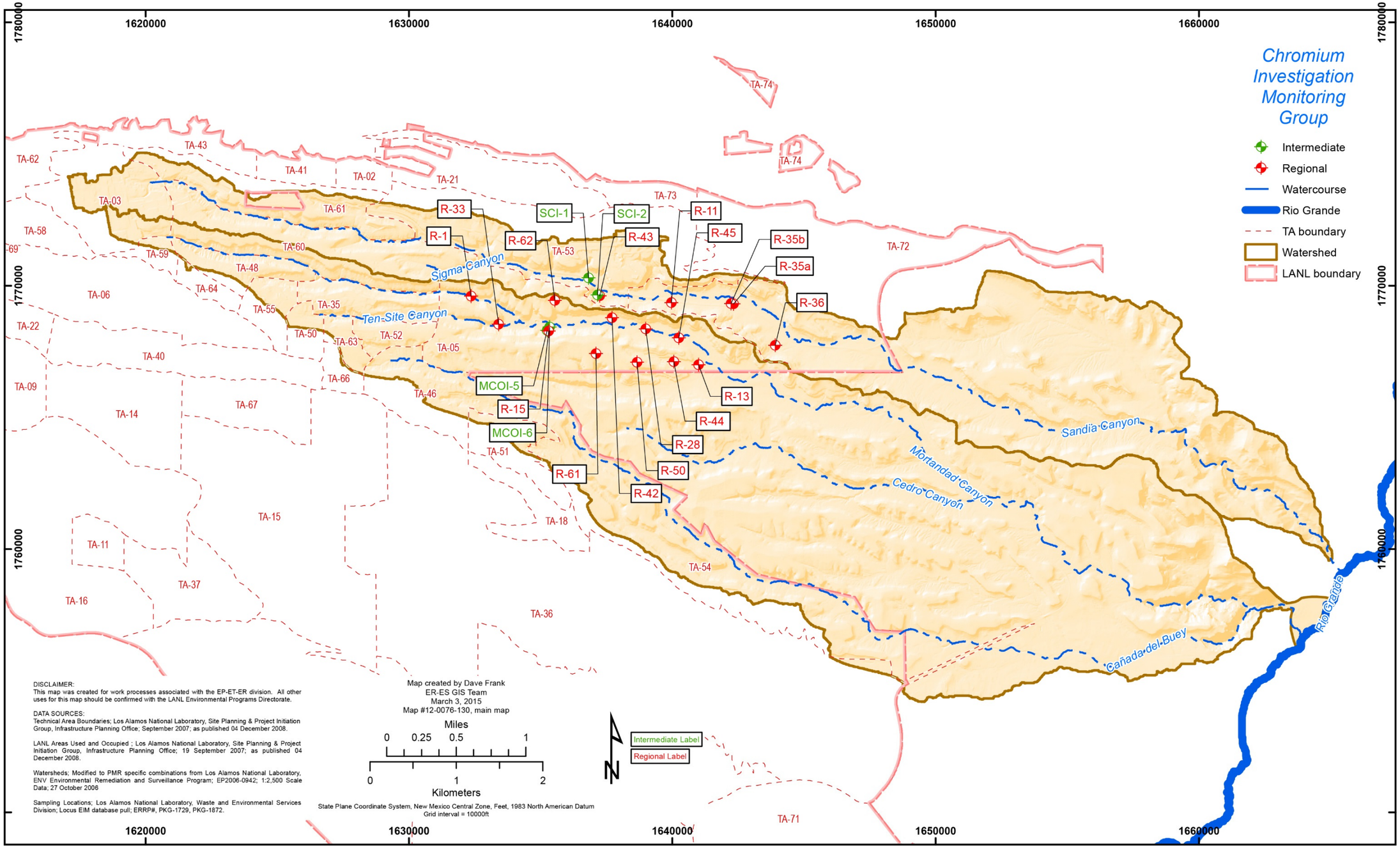



**Figure 2.0-1 Locations scheduled to be monitored for this PME (see Table 3.4-1).**

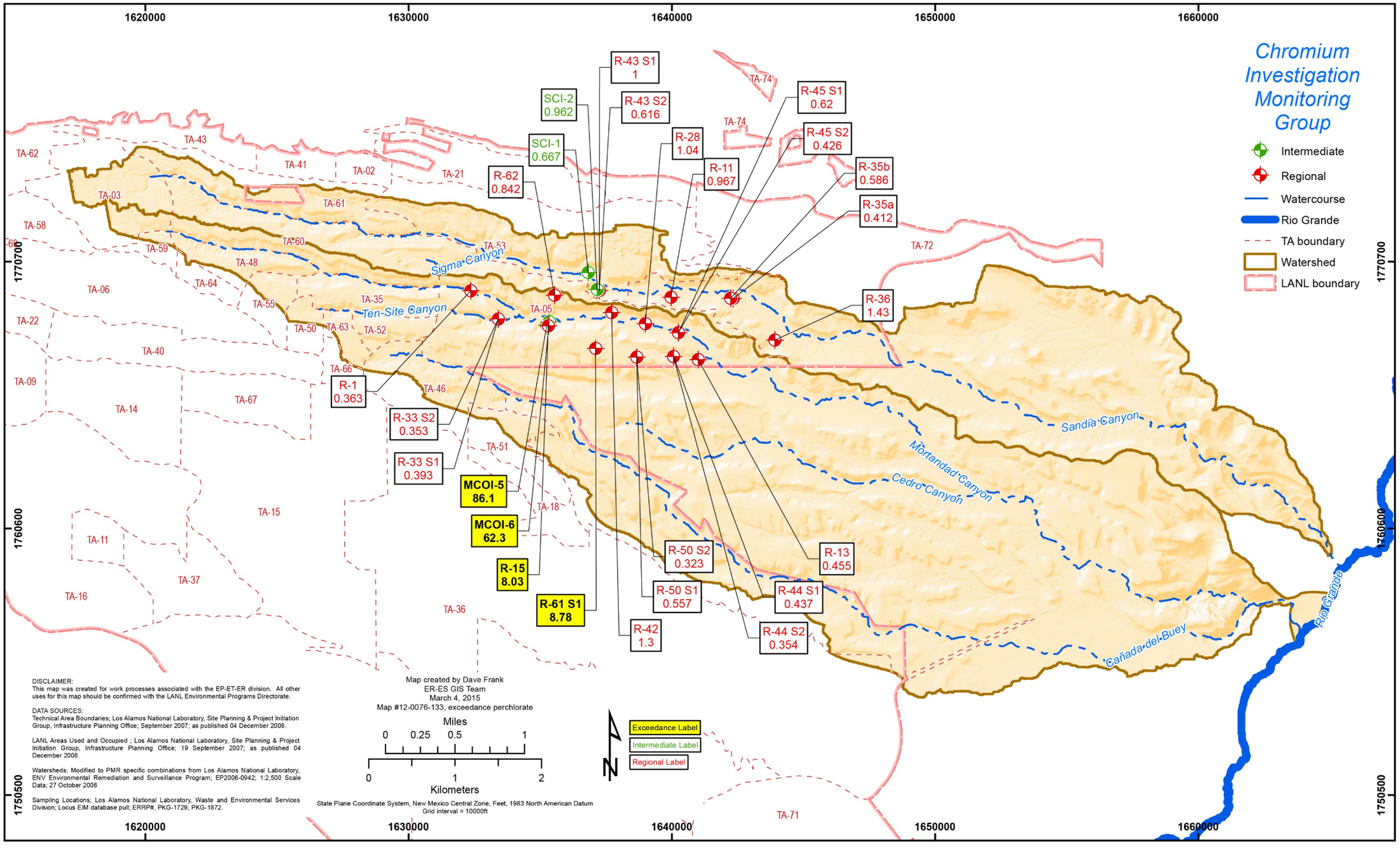



**Figure 4.2-1 Monitoring group filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L.**

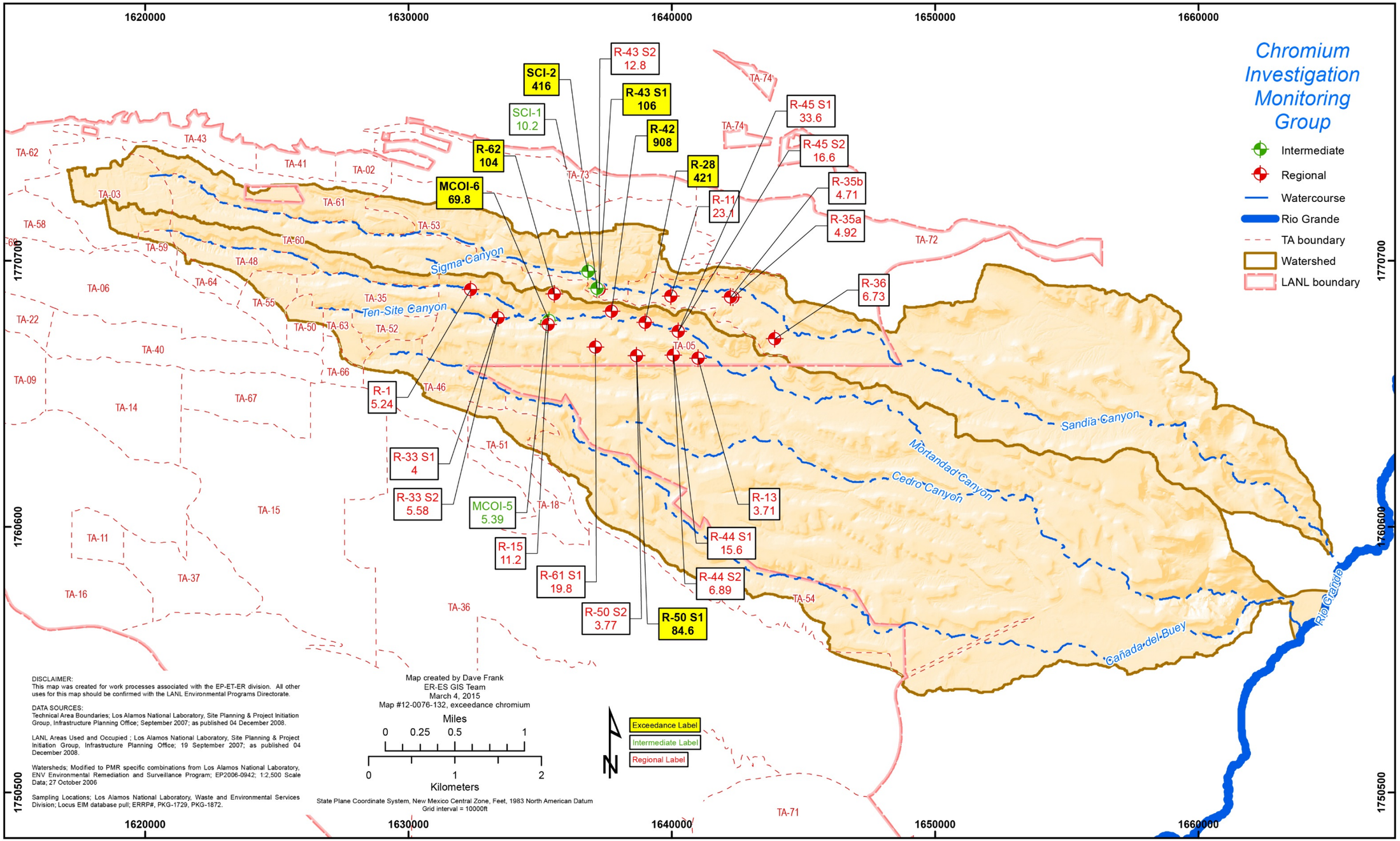



**Figure 4.2-2 Monitoring group filtered chromium concentrations in µg/L. The NMWQCC groundwater standard screening level is 50 µg/L.**

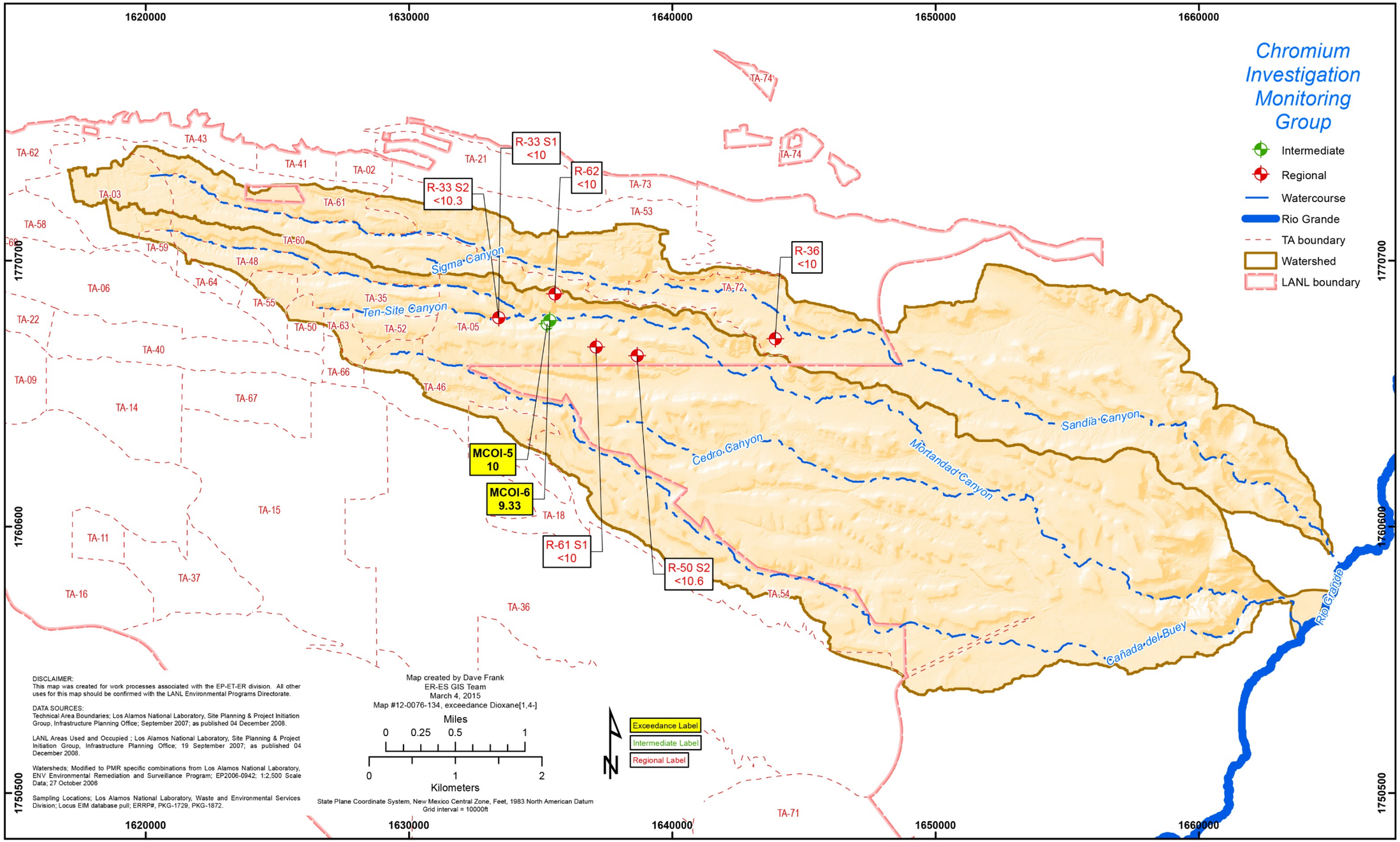



**Figure 4.2-3 Monitoring group filtered 1,4-dioxane concentrations in µg/L. The EPA tap water screening level is 7.8 µg/L.**

**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*) |
|---|---|---|---|---|---|---|---|
| **Intermediate** | | | | | | | |
| MCOI-5 | 11/18/14 | 10 | 689.04 | 699 | 14 | 18.4 | 0.46 |
| MCOI-6 | 11/07/14 | 22.3 | 686 | 708.3 | 44.74 | 153.3 | 1.58 |
| SCI-1 | 11/12/14 | 19.5 | 358.4 | 377.9 | 6.4 | 6.3 | 0.45 |
| SCI-2 | 11/12/14 | 20 | 548 | 568 | 7.6 | 24 | 0.8 |
| **Regional** | | | | | | | |
| R-1 | 11/10/14 | 26.3 | 1031.1 | 1057.4 | 62.7 | 190.55 | 3.3 |
| R-11 | 11/19/14 | 22.9 | 855 | 877.9 | 51.1 | 158.4 | 2.88 |
| R-13 | 11/19/14 | 60.4 | 958.3 | 1018.7 | 155.5 | 481.5 | 5.35 |
| R-15 | 11/10/14 | 61.7 | 958.6 | 1020.3 | 48.7 | 277.5 | 7.5 |
| R-28 | 11/13/14 | 23.8 | 934.3 | 958.1 | 89.1 | 309 | 2.34 |
| R-33 S1 | 11/06/14 | 23 | 995.5 | 1018.5 | 74 | 222.2 | 3.13 |
| R-33 S2 | 11/06/14 | 9.9 | 1112.4 | 1122.3 | 40.4 | 123 | 2.91 |
| R-35a | 11/10/14 | 49.1 | 1013.1 | 1062.2 | 241.6 | 731 | 3.85 |
| R-35b | 11/06/14 | 23.1 | 825.4 | 848.5 | 66.28 | 199 | 3.06 |
| R-36 | 11/06/14 | 23 | 766.9 | 789.9 | 42.01 | 129.87 | 3.33 |
| R-42 | 11/14/14 | 21.1 | 931.8 | 952.9 | 51.79 | 157.58 | 3.03 |
| R-43 S1 | 11/21/14 | 20.7 | 903.9 | 924.6 | 65.2 | 195.8 | 1.54 |
| R-43 S2 | 11/21/14 | 10 | 969.1 | 979.1 | 31.6 | 95 | 1.48 |
| R-44 S1 | 11/05/14 | 10 | 895 | 905 | 55.3 | 171.6 | 3.3 |
| R-44 S2 | 11/05/14 | 9.9 | 985.3 | 995.2 | 76.4 | 231 | 3.3 |
| R-45 S1 | 11/05/14 | 10 | 880 | 890 | 50.9 | 155.3 | 3.53 |
| R-45 S2 | 11/05/14 | 20 | 974.9 | 994.9 | 91.8 | 278 | 3.57 |
| R-50 S1 | 11/14/14 | 10 | 1077 | 1087 | 48.9 | 152.5 | 2.5 |
| R-50 S2 | 11/13/14 | 20.6 | 1185 | 1205.6 | 96.5 | 289.5 | 1.5 |
| R-61 S1 | 11/19/14 | 10 | 1125 | 1135 | 59.2 | 533 | 2.04 |
| R-62 | 11/17/14 | 20.7 | 1158.4 | 1179.1 | 45 | 139.7 | 1.1 |

* gpm = Gallons per minute.

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

| Location | Deviation | Cause | Comment |
|---|---|---|---|
| R-33 S1, R-33 S2 | These locations are included in the Mortandad Canyon portion of the General Surveillance monitoring group and were sampled in the first quarter of fiscal year 2015. NMED required more frequent sampling at these locations. | n/a* | n/a |

* n/a = Not applicable.

**Table 3.4-2**
**Analytes with MDLs above Screening Levels**

| Analyte or CAS[a] No. | Analyte Name | MDL | PQL[b] | Screening Level | Unit | Screening-Level Type | Analytical Method | Analytical Lab |
|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds** | | | | | | | | |
| 92-87-5 | Benzidine | 4 | 10.2 | 0.0011 | µg/L | EPA Regional Tap | SW-846:8270D | GELC[c] |
| 111-44-4 | Bis(2-chloroethyl)ether | 0.6 | 5 | 0.14 | µg/L | EPA Regional Tap | SW-846:8270D | SHEALY[d] |
| 91-94-1 | Dichlorobenzidine[3,3'-] | 3 | 10.2 | 0.28 | µg/L | NM HH OO[e] | SW-846:8270D | GELC |
| 534-52-1 | Dinitro-2-methylphenol[4,6-] | 1.5 | 25 | 1.5 | µg/L | EPA Regional Tap | SW-846:8270D | SHEALY |
| 118-74-1 | Hexachlorobenzene | 0.5 | 5 | 0.0029 | µg/L | NM HH OO | SW-846:8270D | SHEALY |
| 55-18-5 | Nitrosodiethylamine[N-] | 3 | 10.2 | 0.0017 | µg/L | EPA Regional Tap | SW-846:8270D | GELC |
| 55-18-5 | Nitrosodiethylamine[N-] | 0.8 | 5 | 0.0017 | µg/L | EPA Regional Tap | SW-846:8270D | SHEALY |
| 62-75-9 | Nitrosodimethylamine[N-] | 0.7 | 5 | 0.0049 | µg/L | EPA Regional Tap | SW-846:8270D | SHEALY |
| 924-16-3 | Nitroso-di-n-butylamine[N-] | 1.4 | 5 | 0.027 | µg/L | EPA Regional Tap | SW-846:8270D | SHEALY |
| 621-64-7 | Nitroso-di-n-propylamine[N-] | 0.4 | 5 | 0.11 | µg/L | EPA Regional Tap | SW-846:8270D | SHEALY |
| 930-55-2 | Nitrosopyrrolidine[N-] | 2.1 | 5 | 0.37 | µg/L | EPA Regional Tap | SW-846:8270D | SHEALY |
| **Volatile Organic Compounds** | | | | | | | | |
| 107-02-8 | Acrolein | 1.5 | 5 | 0.042 | µg/L | EPA Regional Tap | SW-846:8260B | GELC |
| 107-13-1 | Acrylonitrile | 1 | 5 | 0.52 | µg/L | EPA Regional Tap | SW-846:8260B | GELC |
| 126-99-8 | Chloro-1,3-butadiene[2-] | 0.2 | 1 | 0.19 | µg/L | EPA Regional Tap | SW-846:8260B | GELC |
| 96-18-4 | Trichloropropane[1,2,3-] | 0.3 | 1 | 0.0075 | µg/L | EPA Regional Tap | SW-846:8260B | GELC |

Note: This table is applicable to samples reported in this PMR.

[a] CAS = Chemical Abstracts Service.

[b] PQL = Practical quantitation limit.

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

[d] SHEALY = Shealy Environmental Services, Inc.

[e] NM HH OO = Human health organism only, New Mexico surface-water standards.

**Table 3.4-3**
**Analytes with MDLs Now below Screening Levels**

| Analyte or CAS[a] No. | Analyte Name | MDL | PQL[b] | Screening Level | Unit | Screening-Level Type | Analytical Method | Analytical Lab |
|---|---|---|---|---|---|---|---|---|
| 103-33-3 | Azobenzene | 0.7 | 5 | 1.2 | µg/L | EPA Regional Tap | SW-846:8270D | SHEALY[c] |
| 56-55-3 | Benzo(a)anthracene | 0.0169 | 0.053 | 0.18 | µg/L | NM HH OO[d] | SW-846:8310 | GELC[e] |
| 50-32-8 | Benzo(a)pyrene | 0.0169 | 0.053 | 0.18 | µg/L | NM HH OO | SW-846:8310 | GELC |
| 205-99-2 | Benzo(b)fluoranthene | 0.0169 | 0.053 | 0.18 | µg/L | NM HH OO | SW-846:8310 | GELC |
| 53-70-3 | Dibenz(a,h)anthracene | 0.0169 | 0.053 | 0.034 | µg/L | EPA Regional Tap | SW-846:8310 | GELC |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.0169 | 0.053 | 0.18 | µg/L | NM HH OO | SW-846:8310 | GELC |
| 87-86-5 | Pentachlorophenol | 0.088 | 0.264 | 1 | µg/L | EPA MCL | SW-846:8151A | GELC |
| 96-12-8 | Dibromo-3-Chloropropane[1,2-] | 0.006 | 0.02 | 0.2 | µg/L | EPA MCL | SW-846:8011 | GELC |
| 106-93-4 | Dibromoethane[1,2-] | 0.006 | 0.02 | 0.05 | µg/L | EPA MCL | SW-846:8011 | GELC |
| 126-98-7 | Methacrylonitrile | 1 | 5 | 1.9 | µg/L | EPA Regional Tap | SW-846:8260B | GELC |

Note: This table is applicable to samples reported in this PMR.

[a] CAS = Chemical Abstracts Service.

[b] PQL = Practical quantitation limit.

[c] SHEALY = Shealy Environmental Services, Inc.

[d] NM HH OO = Human health organism only, New Mexico surface-water standards.

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

**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 458.1 | DOE BCGs | n/a[a] | X[b] |
| DOE Order 458.1 | DOE 100-mrem Public Dose DCS | X | n/a |
| DOE Order 458.1 | DOE 4-mrem Drinking Water DCS | 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 6.2.3103 | NMWQCC Groundwater Standard | X | n/a |
| 20 NMAC 6.4.900 | NMWQCC Irrigation Standard | n/a | X |
| 20 NMAC 6.4.900 | NMWQCC Livestock Watering Standard | n/a | X |
| 20 NMAC 6.4.900 | NMWQCC Wildlife Habitat Standard | n/a | X |
| 20 NMAC 6.4.900 | NMWQCC Aquatic Life Standards Acute | n/a | X |
| 20 NMAC 6.4.900 | NMWQCC Aquatic Life Standards Chronic | n/a | X |
| 20 NMAC 6.4.900 | 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 | 11/18/14 | Perchlorate | F | 86.1 | µg/L | 4 | Consent Order |
| MCOI-6 | 11/07/14 | Perchlorate | F | 62.3 | µg/L | 4 | Consent Order |
| MCOI-6 | 11/07/14 | Chromium | F | 69.8 | µg/L | 50 | NMWQCC Groundwater Standard |
| SCI-2 | 11/12/14 | Chromium | F | 416 | µg/L | 50 | NMWQCC Groundwater Standard |
| MCOI-5 | 11/18/14 | Dioxane[1,4-] | UF | 10 | µg/L | 7.8 | EPA Regional Tap |
| MCOI-6 | 11/07/14 | Dioxane[1,4-] | UF | 9.33 | µg/L | 7.8 | EPA Regional Tap |
| **Regional Groundwater** | | | | | | | |
| R-15 | 11/10/14 | Perchlorate | F | 8.03 | µg/L | 4 | Consent Order |
| R-61 S1 | 11/19/14 | Perchlorate | F | 8.78 | µg/L | 4 | Consent Order |
| R-28 | 11/13/14 | Chromium | F | 421 | µg/L | 50 | NMWQCC Groundwater Standard |
| R-42 | 11/14/14 | Chromium | F | 908 | µg/L | 50 | NMWQCC Groundwater Standard |
| R-43 S1 | 11/21/14 | Chromium | F | 106 | µg/L | 50 | NMWQCC Groundwater Standard |
| R-50 S1 | 11/14/14 | Chromium | F | 84.6 | µg/L | 50 | NMWQCC Groundwater Standard |
| R-62 | 11/17/14 | Chromium | F | 104 | µg/L | 50 | NMWQCC Groundwater Standard |

# 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 | 11/18/14 | WG[a] | Dissolved Oxygen | 6.17 | mg/L | CAMO-15-90207 |
| MCOI-5 | 689.04 | 05/12/14 | WG | Dissolved Oxygen | 6.82 | mg/L | CAMO-14-75494 |
| MCOI-5 | 689.04 | 11/08/13 | WG | Dissolved Oxygen | 7.1 | mg/L | CAMO-14-45743 |
| MCOI-5 | 689.04 | 05/07/13 | WG | Dissolved Oxygen | 5.33 | mg/L | CAMO-13-30572 |
| MCOI-5 | 689.04 | 10/30/12 | WG | Dissolved Oxygen | 6.84 | mg/L | CAMO-13-24238 |
| MCOI-5 | 689.04 | 11/18/14 | WG | Flow (in gpm[b]) | 0.46 | gpm | CAMO-15-90207 |
| MCOI-5 | 689.04 | 05/12/14 | WG | Flow (in gpm) | 0.48 | gpm | CAMO-14-75494 |
| MCOI-5 | 689.04 | 11/08/11 | WG | Flow (in gpm) | 0.21 | gpm | CAMO-12-1465 |
| MCOI-5 | 689.04 | 08/10/11 | WG | Flow (in gpm) | 0.29 | gpm | CAMO-11-24627 |
| MCOI-5 | 689.04 | 05/26/11 | WG | Flow (in gpm) | 0.117 | gpm | CAMO-11-10699 |
| MCOI-5 | 689.04 | 11/18/14 | WG | Oxidation-Reduction Potential | 199.2 | mV | CAMO-15-90207 |
| MCOI-5 | 689.04 | 05/12/14 | WG | Oxidation-Reduction Potential | 41.2 | mV | CAMO-14-75494 |
| MCOI-5 | 689.04 | 11/08/13 | WG | Oxidation-Reduction Potential | 176.4 | mV | CAMO-14-45743 |
| MCOI-5 | 689.04 | 05/07/13 | WG | Oxidation-Reduction Potential | 234.1 | mV | CAMO-13-30572 |
| MCOI-5 | 689.04 | 10/30/12 | WG | Oxidation-Reduction Potential | 198.8 | mV | CAMO-13-24238 |
| MCOI-5 | 689.04 | 11/18/14 | WG | pH | 8.38 | SU[c] | CAMO-15-90207 |
| MCOI-5 | 689.04 | 05/12/14 | WG | pH | 8.5 | SU | CAMO-14-75494 |
| MCOI-5 | 689.04 | 11/08/13 | WG | pH | 8.24 | SU | CAMO-14-45743 |
| MCOI-5 | 689.04 | 05/07/13 | WG | pH | 8.49 | SU | CAMO-13-30572 |
| MCOI-5 | 689.04 | 10/30/12 | WG | pH | 8.63 | SU | CAMO-13-24238 |
| MCOI-5 | 689.04 | 11/18/14 | WG | Specific Conductance | 234 | µS/cm | CAMO-15-90207 |
| MCOI-5 | 689.04 | 05/12/14 | WG | Specific Conductance | 207 | µS/cm | CAMO-14-75494 |
| MCOI-5 | 689.04 | 11/08/13 | WG | Specific Conductance | 202 | µS/cm | CAMO-14-45743 |
| MCOI-5 | 689.04 | 05/07/13 | WG | Specific Conductance | 208 | µS/cm | CAMO-13-30572 |
| MCOI-5 | 689.04 | 10/30/12 | WG | Specific Conductance | 196 | µS/cm | CAMO-13-24238 |
| MCOI-5 | 689.04 | 11/18/14 | WG | Temperature | 13.39 | deg C | CAMO-15-90207 |
| MCOI-5 | 689.04 | 05/12/14 | WG | Temperature | 13.77 | deg C | CAMO-14-75494 |
| MCOI-5 | 689.04 | 11/08/13 | WG | Temperature | 14.34 | deg C | CAMO-14-45743 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| MCOI-5 | 689.04 | 05/07/13 | WG | Temperature | 13.72 | deg C | CAMO-13-30572 |
| MCOI-5 | 689.04 | 10/30/12 | WG | Temperature | 13.14 | deg C | CAMO-13-24238 |
| MCOI-5 | 689.04 | 11/18/14 | WG | Turbidity | 1.1 | NTU[d] | CAMO-15-90207 |
| MCOI-5 | 689.04 | 05/12/14 | WG | Turbidity | 0.8 | NTU | CAMO-14-75494 |
| MCOI-5 | 689.04 | 11/08/13 | WG | Turbidity | 7.6 | NTU | CAMO-14-45743 |
| MCOI-5 | 689.04 | 05/07/13 | WG | Turbidity | 0.99 | NTU | CAMO-13-30572 |
| MCOI-5 | 689.04 | 10/30/12 | WG | Turbidity | 0.33 | NTU | CAMO-13-24238 |
| MCOI-6 | 686 | 11/07/14 | WG | Dissolved Oxygen | 6.97 | mg/L | CAMO-15-90208 |
| MCOI-6 | 686 | 07/08/14 | WG | Dissolved Oxygen | 6.96 | mg/L | CAMO-14-83996 |
| MCOI-6 | 686 | 05/13/14 | WG | Dissolved Oxygen | 7.01 | mg/L | CAMO-14-75495 |
| MCOI-6 | 686 | 01/17/14 | WG | Dissolved Oxygen | 6.9 | mg/L | CAMO-14-49663 |
| MCOI-6 | 686 | 11/07/13 | WG | Dissolved Oxygen | 6.9 | mg/L | CAMO-14-45744 |
| MCOI-6 | 686 | 11/07/14 | WG | Flow (in gpm) | 1.58 | gpm | CAMO-15-90208 |
| MCOI-6 | 686 | 07/08/14 | WG | Flow (in gpm) | 1.51 | gpm | CAMO-14-83996 |
| MCOI-6 | 686 | 05/13/14 | WG | Flow (in gpm) | 1.5 | gpm | CAMO-14-75495 |
| MCOI-6 | 686 | 01/17/14 | WG | Flow (in gpm) | 1.44 | gpm | CAMO-14-49663 |
| MCOI-6 | 686 | 11/09/11 | WG | Flow (in gpm) | 1.1 | gpm | CAMO-12-1468 |
| MCOI-6 | 686 | 11/07/14 | WG | Oxidation-Reduction Potential | 160.6 | mV | CAMO-15-90208 |
| MCOI-6 | 686 | 07/08/14 | WG | Oxidation-Reduction Potential | 133 | mV | CAMO-14-83996 |
| MCOI-6 | 686 | 05/13/14 | WG | Oxidation-Reduction Potential | 130.8 | mV | CAMO-14-75495 |
| MCOI-6 | 686 | 01/17/14 | WG | Oxidation-Reduction Potential | 159.5 | mV | CAMO-14-49663 |
| MCOI-6 | 686 | 11/07/13 | WG | Oxidation-Reduction Potential | 108.4 | mV | CAMO-14-45744 |
| MCOI-6 | 686 | 11/07/14 | WG | pH | 7.04 | SU | CAMO-15-90208 |
| MCOI-6 | 686 | 07/08/14 | WG | pH | 7.03 | SU | CAMO-14-83996 |
| MCOI-6 | 686 | 05/13/14 | WG | pH | 7.06 | SU | CAMO-14-75495 |
| MCOI-6 | 686 | 01/17/14 | WG | pH | 7.03 | SU | CAMO-14-49663 |
| MCOI-6 | 686 | 11/07/13 | WG | pH | 7.28 | SU | CAMO-14-45744 |
| MCOI-6 | 686 | 11/07/14 | WG | Specific Conductance | 594 | µS/cm | CAMO-15-90208 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| MCOI-6 | 686 | 07/08/14 | WG | Specific Conductance | 589 | µS/cm | CAMO-14-83996 |
| MCOI-6 | 686 | 05/13/14 | WG | Specific Conductance | 588 | µS/cm | CAMO-14-75495 |
| MCOI-6 | 686 | 01/17/14 | WG | Specific Conductance | 585 | µS/cm | CAMO-14-49663 |
| MCOI-6 | 686 | 11/07/13 | WG | Specific Conductance | 592 | µS/cm | CAMO-14-45744 |
| MCOI-6 | 686 | 11/07/14 | WG | Temperature | 15.7 | deg C | CAMO-15-90208 |
| MCOI-6 | 686 | 07/08/14 | WG | Temperature | 16.06 | deg C | CAMO-14-83996 |
| MCOI-6 | 686 | 05/13/14 | WG | Temperature | 13.52 | deg C | CAMO-14-75495 |
| MCOI-6 | 686 | 01/17/14 | WG | Temperature | 14.76 | deg C | CAMO-14-49663 |
| MCOI-6 | 686 | 11/07/13 | WG | Temperature | 15 | deg C | CAMO-14-45744 |
| MCOI-6 | 686 | 11/07/14 | WG | Turbidity | 1.19 | NTU | CAMO-15-90208 |
| MCOI-6 | 686 | 07/08/14 | WG | Turbidity | 0.65 | NTU | CAMO-14-83996 |
| MCOI-6 | 686 | 05/13/14 | WG | Turbidity | 0.9 | NTU | CAMO-14-75495 |
| MCOI-6 | 686 | 01/17/14 | WG | Turbidity | 0.1 | NTU | CAMO-14-49663 |
| MCOI-6 | 686 | 11/07/13 | WG | Turbidity | 0.6 | NTU | CAMO-14-45744 |
| R-1 | 1031.12 | 11/10/14 | WG | Dissolved Oxygen | 5.64 | mg/L | CAMO-15-90209 |
| R-1 | 1031.12 | 11/18/13 | WG | Dissolved Oxygen | 5.66 | mg/L | CAMO-14-45745 |
| 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 | 11/10/14 | WG | Flow (in gpm) | 3.3 | gpm | CAMO-15-90209 |
| R-1 | 1031.12 | 11/18/11 | WG | Flow (in gpm) | 3.1 | gpm | CAMO-12-1474 |
| R-1 | 1031.12 | 08/02/11 | WG | Flow (in gpm) | 2.9 | gpm | CAMO-11-24660 |
| R-1 | 1031.12 | 06/03/11 | WG | Flow (in gpm) | 3 | gpm | CAMO-11-10747 |
| R-1 | 1031.12 | 11/12/10 | WG | Flow (in gpm) | 3.2 | gpm | CAMO-11-1262 |
| R-1 | 1031.12 | 11/10/14 | WG | Oxidation-Reduction Potential | 83.2 | mV | CAMO-15-90209 |
| R-1 | 1031.12 | 11/18/13 | WG | Oxidation-Reduction Potential | 32.5 | mV | CAMO-14-45745 |
| 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 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-1 | 1031.12 | 08/02/11 | WG | Oxidation-Reduction Potential | 184.2 | mV | CAMO-11-24660 |
| R-1 | 1031.12 | 11/10/14 | WG | pH | 7.97 | SU | CAMO-15-90209 |
| R-1 | 1031.12 | 11/18/13 | WG | pH | 7.97 | SU | CAMO-14-45745 |
| 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 | 11/10/14 | WG | Specific Conductance | 144 | µS/cm | CAMO-15-90209 |
| R-1 | 1031.12 | 11/18/13 | WG | Specific Conductance | 145 | µS/cm | CAMO-14-45745 |
| 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 |
| R-1 | 1031.12 | 11/10/14 | WG | Temperature | 22.13 | deg C | CAMO-15-90209 |
| R-1 | 1031.12 | 11/18/13 | WG | Temperature | 21.45 | deg C | CAMO-14-45745 |
| 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 | 11/10/14 | WG | Turbidity | 0.7 | NTU | CAMO-15-90209 |
| R-1 | 1031.12 | 11/18/13 | WG | Turbidity | 0.1 | NTU | CAMO-14-45745 |
| 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-11 | 855 | 11/19/14 | WG | Dissolved Oxygen | 7.35 | mg/L | CASA-15-90249 |
| R-11 | 855 | 07/11/14 | WG | Dissolved Oxygen | 7.33 | mg/L | CASA-14-81516 |
| R-11 | 855 | 05/08/14 | WG | Dissolved Oxygen | 7.52 | mg/L | CASA-14-75524 |
| R-11 | 855 | 01/09/14 | WG | Dissolved Oxygen | 7.17 | mg/L | CASA-14-49687 |
| R-11 | 855 | 11/05/13 | WG | Dissolved Oxygen | 7.1 | mg/L | CASA-14-45704 |
| R-11 | 855 | 11/19/14 | WG | Flow (in gpm) | 2.88 | gpm | CASA-15-90249 |
| R-11 | 855 | 07/11/14 | WG | Flow (in gpm) | 2.9 | gpm | CASA-14-81516 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-11 | 855 | 05/08/14 | WG | Flow (in gpm) | 3 | gpm | CASA-14-75524 |
| R-11 | 855 | 01/09/14 | WG | Flow (in gpm) | 3 | gpm | CASA-14-49687 |
| R-11 | 855 | 11/16/11 | WG | Flow (in gpm) | 3 | gpm | CASA-12-1379 |
| R-11 | 855 | 11/19/14 | WG | Oxidation-Reduction Potential | 190 | mV | CASA-15-90249 |
| R-11 | 855 | 07/11/14 | WG | Oxidation-Reduction Potential | 69 | mV | CASA-14-81516 |
| R-11 | 855 | 05/08/14 | WG | Oxidation-Reduction Potential | 36.7 | mV | CASA-14-75524 |
| R-11 | 855 | 01/09/14 | WG | Oxidation-Reduction Potential | -38 | mV | CASA-14-49687 |
| R-11 | 855 | 11/05/13 | WG | Oxidation-Reduction Potential | 174.4 | mV | CASA-14-45704 |
| R-11 | 855 | 11/19/14 | WG | pH | 8.06 | SU | CASA-15-90249 |
| R-11 | 855 | 07/11/14 | WG | pH | 8.03 | SU | CASA-14-81516 |
| R-11 | 855 | 05/08/14 | WG | pH | 8.04 | SU | CASA-14-75524 |
| R-11 | 855 | 01/09/14 | WG | pH | 8 | SU | CASA-14-49687 |
| R-11 | 855 | 11/05/13 | WG | pH | 8.22 | SU | CASA-14-45704 |
| R-11 | 855 | 11/19/14 | WG | Specific Conductance | 261 | µS/cm | CASA-15-90249 |
| R-11 | 855 | 07/11/14 | WG | Specific Conductance | 237 | µS/cm | CASA-14-81516 |
| R-11 | 855 | 05/08/14 | WG | Specific Conductance | 239 | µS/cm | CASA-14-75524 |
| R-11 | 855 | 01/09/14 | WG | Specific Conductance | 230 | µS/cm | CASA-14-49687 |
| R-11 | 855 | 11/05/13 | WG | Specific Conductance | 238 | µS/cm | CASA-14-45704 |
| R-11 | 855 | 11/19/14 | WG | Temperature | 21.25 | deg C | CASA-15-90249 |
| R-11 | 855 | 07/11/14 | WG | Temperature | 21.96 | deg C | CASA-14-81516 |
| R-11 | 855 | 05/08/14 | WG | Temperature | 21.08 | deg C | CASA-14-75524 |
| R-11 | 855 | 01/09/14 | WG | Temperature | 20.87 | deg C | CASA-14-49687 |
| R-11 | 855 | 11/05/13 | WG | Temperature | 20.86 | deg C | CASA-14-45704 |
| R-11 | 855 | 11/19/14 | WG | Turbidity | 1.6 | NTU | CASA-15-90249 |
| R-11 | 855 | 07/11/14 | WG | Turbidity | 0.2 | NTU | CASA-14-81516 |
| R-11 | 855 | 05/08/14 | WG | Turbidity | 0.24 | NTU | CASA-14-75524 |
| R-11 | 855 | 01/09/14 | WG | Turbidity | 0 | NTU | CASA-14-49687 |
| R-11 | 855 | 11/05/13 | WG | Turbidity | 0.6 | NTU | CASA-14-45704 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-13 | 958.33 | 11/19/14 | WG | Dissolved Oxygen | 6.44 | mg/L | CAMO-15-90210 |
| R-13 | 958.33 | 05/05/14 | WG | Dissolved Oxygen | 6.53 | mg/L | CAMO-14-75496 |
| R-13 | 958.33 | 11/08/13 | WG | Dissolved Oxygen | 6.49 | mg/L | CAMO-14-45746 |
| R-13 | 958.33 | 05/06/13 | WG | Dissolved Oxygen | 6.58 | mg/L | CAMO-13-30590 |
| R-13 | 958.33 | 10/31/12 | WG | Dissolved Oxygen | 6.36 | mg/L | CAMO-13-24258 |
| R-13 | 958.33 | 11/19/14 | WG | Flow (in gpm) | 5.35 | gpm | CAMO-15-90210 |
| R-13 | 958.33 | 05/05/14 | WG | Flow (in gpm) | 6.25 | gpm | CAMO-14-75496 |
| R-13 | 958.33 | 11/22/11 | WG | Flow (in gpm) | 5.6 | gpm | CAMO-12-1480 |
| R-13 | 958.33 | 08/01/11 | WG | Flow (in gpm) | 5 | gpm | CAMO-11-24633 |
| R-13 | 958.33 | 05/25/11 | WG | Flow (in gpm) | 5.2 | gpm | CAMO-11-10703 |
| R-13 | 958.33 | 11/19/14 | WG | Oxidation-Reduction Potential | 158.3 | mV | CAMO-15-90210 |
| R-13 | 958.33 | 05/05/14 | WG | Oxidation-Reduction Potential | 46 | mV | CAMO-14-75496 |
| R-13 | 958.33 | 11/08/13 | WG | Oxidation-Reduction Potential | 97.6 | mV | CAMO-14-45746 |
| R-13 | 958.33 | 05/06/13 | WG | Oxidation-Reduction Potential | 271.4 | mV | CAMO-13-30590 |
| R-13 | 958.33 | 10/31/12 | WG | Oxidation-Reduction Potential | 217.2 | mV | CAMO-13-24258 |
| R-13 | 958.33 | 11/19/14 | WG | pH | 8.21 | SU | CAMO-15-90210 |
| R-13 | 958.33 | 05/05/14 | WG | pH | 8.19 | SU | CAMO-14-75496 |
| R-13 | 958.33 | 11/08/13 | WG | pH | 8.34 | SU | CAMO-14-45746 |
| R-13 | 958.33 | 05/06/13 | WG | pH | 7.96 | SU | CAMO-13-30590 |
| R-13 | 958.33 | 10/31/12 | WG | pH | 8.21 | SU | CAMO-13-24258 |
| R-13 | 958.33 | 11/19/14 | WG | Specific Conductance | 173 | µS/cm | CAMO-15-90210 |
| R-13 | 958.33 | 05/05/14 | WG | Specific Conductance | 146 | µS/cm | CAMO-14-75496 |
| R-13 | 958.33 | 11/08/13 | WG | Specific Conductance | 143 | µS/cm | CAMO-14-45746 |
| R-13 | 958.33 | 05/06/13 | WG | Specific Conductance | 143 | µS/cm | CAMO-13-30590 |
| R-13 | 958.33 | 10/31/12 | WG | Specific Conductance | 146 | µS/cm | CAMO-13-24258 |
| R-13 | 958.33 | 11/19/14 | WG | Temperature | 21.61 | deg C | CAMO-15-90210 |
| R-13 | 958.33 | 05/05/14 | WG | Temperature | 21.59 | deg C | CAMO-14-75496 |
| R-13 | 958.33 | 11/08/13 | WG | Temperature | 20.41 | deg C | CAMO-14-45746 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-13 | 958.33 | 05/06/13 | WG | Temperature | 21.08 | deg C | CAMO-13-30590 |
| R-13 | 958.33 | 10/31/12 | WG | Temperature | 21.4 | deg C | CAMO-13-24258 |
| R-13 | 958.33 | 11/19/14 | WG | Turbidity | 0.6 | NTU | CAMO-15-90210 |
| R-13 | 958.33 | 05/05/14 | WG | Turbidity | 0 | NTU | CAMO-14-75496 |
| R-13 | 958.33 | 11/08/13 | WG | Turbidity | 0.3 | NTU | CAMO-14-45746 |
| R-13 | 958.33 | 05/06/13 | WG | Turbidity | 0.26 | NTU | CAMO-13-30590 |
| R-13 | 958.33 | 10/31/12 | WG | Turbidity | 0.29 | NTU | CAMO-13-24258 |
| R-15 | 958.6 | 11/10/14 | WG | Dissolved Oxygen | 7.08 | mg/L | CAMO-15-90211 |
| R-15 | 958.6 | 05/05/14 | WG | Dissolved Oxygen | 6.77 | mg/L | CAMO-14-75497 |
| R-15 | 958.6 | 11/07/13 | WG | Dissolved Oxygen | 7.26 | mg/L | CAMO-14-45747 |
| R-15 | 958.6 | 05/06/13 | WG | Dissolved Oxygen | 7 | mg/L | CAMO-13-30575 |
| R-15 | 958.6 | 10/31/12 | WG | Dissolved Oxygen | 7.05 | mg/L | CAMO-13-24242 |
| R-15 | 958.6 | 11/10/14 | WG | Flow (in gpm) | 7.5 | gpm | CAMO-15-90211 |
| R-15 | 958.6 | 05/05/14 | WG | Flow (in gpm) | 10 | gpm | CAMO-14-75497 |
| R-15 | 958.6 | 11/10/11 | WG | Flow (in gpm) | 9.36 | gpm | CAMO-12-1485 |
| R-15 | 958.6 | 08/15/11 | WG | Flow (in gpm) | 8.7 | gpm | CAMO-11-24636 |
| R-15 | 958.6 | 05/31/11 | WG | Flow (in gpm) | 8.5 | gpm | CAMO-11-10715 |
| R-15 | 958.6 | 11/10/14 | WG | Oxidation-Reduction Potential | 69.3 | mV | CAMO-15-90211 |
| R-15 | 958.6 | 05/05/14 | WG | Oxidation-Reduction Potential | 7.8 | mV | CAMO-14-75497 |
| R-15 | 958.6 | 11/07/13 | WG | Oxidation-Reduction Potential | 80.3 | mV | CAMO-14-45747 |
| R-15 | 958.6 | 05/06/13 | WG | Oxidation-Reduction Potential | 229.2 | mV | CAMO-13-30575 |
| R-15 | 958.6 | 10/31/12 | WG | Oxidation-Reduction Potential | 119.1 | mV | CAMO-13-24242 |
| R-15 | 958.6 | 11/10/14 | WG | pH | 8.19 | SU | CAMO-15-90211 |
| R-15 | 958.6 | 05/05/14 | WG | pH | 8.51 | SU | CAMO-14-75497 |
| R-15 | 958.6 | 11/07/13 | WG | pH | 8.53 | SU | CAMO-14-45747 |
| R-15 | 958.6 | 05/06/13 | WG | pH | 8.2 | SU | CAMO-13-30575 |
| R-15 | 958.6 | 10/31/12 | WG | pH | 8.23 | SU | CAMO-13-24242 |
| R-15 | 958.6 | 11/10/14 | WG | Specific Conductance | 154 | µS/cm | CAMO-15-90211 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-15 | 958.6 | 05/05/14 | WG | Specific Conductance | 167 | µS/cm | CAMO-14-75497 |
| R-15 | 958.6 | 11/07/13 | WG | Specific Conductance | 157 | µS/cm | CAMO-14-45747 |
| R-15 | 958.6 | 05/06/13 | WG | Specific Conductance | 156 | µS/cm | CAMO-13-30575 |
| R-15 | 958.6 | 10/31/12 | WG | Specific Conductance | 150 | µS/cm | CAMO-13-24242 |
| R-15 | 958.6 | 11/10/14 | WG | Temperature | 20.1 | deg C | CAMO-15-90211 |
| R-15 | 958.6 | 05/05/14 | WG | Temperature | 20.28 | deg C | CAMO-14-75497 |
| R-15 | 958.6 | 11/07/13 | WG | Temperature | 18.24 | deg C | CAMO-14-45747 |
| R-15 | 958.6 | 05/06/13 | WG | Temperature | 19.32 | deg C | CAMO-13-30575 |
| R-15 | 958.6 | 10/31/12 | WG | Temperature | 16.45 | deg C | CAMO-13-24242 |
| R-15 | 958.6 | 11/10/14 | WG | Turbidity | 4 | NTU | CAMO-15-90211 |
| R-15 | 958.6 | 05/05/14 | WG | Turbidity | 2.8 | NTU | CAMO-14-75497 |
| R-15 | 958.6 | 11/07/13 | WG | Turbidity | 4 | NTU | CAMO-14-45747 |
| R-15 | 958.6 | 05/06/13 | WG | Turbidity | 1.2 | NTU | CAMO-13-30575 |
| R-15 | 958.6 | 10/31/12 | WG | Turbidity | 2.31 | NTU | CAMO-13-24242 |
| R-28 | 934.3 | 11/13/14 | WG | Dissolved Oxygen | 6.8 | mg/L | CAMO-15-90212 |
| R-28 | 934.3 | 07/11/14 | WG | Dissolved Oxygen | 6.72 | mg/L | CAMO-14-83997 |
| R-28 | 934.3 | 05/06/13 | WG | Dissolved Oxygen | 6.51 | mg/L | CAMO-13-30576 |
| R-28 | 934.3 | 02/01/13 | WG | Dissolved Oxygen | 6.58 | mg/L | CAMO-13-28408 |
| R-28 | 934.3 | 10/31/12 | WG | Dissolved Oxygen | 6.55 | mg/L | CAMO-13-24260 |
| R-28 | 934.3 | 11/13/14 | WG | Flow (in gpm) | 2.34 | gpm | CAMO-15-90212 |
| R-28 | 934.3 | 07/11/14 | WG | Flow (in gpm) | 28.5 | gpm | CAMO-14-83997 |
| R-28 | 934.3 | 11/15/11 | WG | Flow (in gpm) | 4.16 | gpm | CAMO-12-1486 |
| R-28 | 934.3 | 08/02/11 | WG | Flow (in gpm) | 3.9 | gpm | CAMO-11-24637 |
| R-28 | 934.3 | 06/01/11 | WG | Flow (in gpm) | 4 | gpm | CAMO-11-10705 |
| R-28 | 934.3 | 11/13/14 | WG | Oxidation-Reduction Potential | 190.4 | mV | CAMO-15-90212 |
| R-28 | 934.3 | 07/11/14 | WG | Oxidation-Reduction Potential | 78.3 | mV | CAMO-14-83997 |
| R-28 | 934.3 | 05/06/13 | WG | Oxidation-Reduction Potential | 247.3 | mV | CAMO-13-30576 |
| R-28 | 934.3 | 02/01/13 | WG | Oxidation-Reduction Potential | 53.5 | mV | CAMO-13-28408 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-28 | 934.3 | 10/31/12 | WG | Oxidation-Reduction Potential | 183.7 | mV | CAMO-13-24260 |
| R-28 | 934.3 | 11/13/14 | WG | pH | 7.71 | SU | CAMO-15-90212 |
| R-28 | 934.3 | 07/11/14 | WG | pH | 7.81 | SU | CAMO-14-83997 |
| R-28 | 934.3 | 05/06/13 | WG | pH | 7.65 | SU | CAMO-13-30576 |
| R-28 | 934.3 | 02/01/13 | WG | pH | 7.68 | SU | CAMO-13-28408 |
| R-28 | 934.3 | 10/31/12 | WG | pH | 7.63 | SU | CAMO-13-24260 |
| R-28 | 934.3 | 11/13/14 | WG | Specific Conductance | 434 | µS/cm | CAMO-15-90212 |
| R-28 | 934.3 | 07/11/14 | WG | Specific Conductance | 429 | µS/cm | CAMO-14-83997 |
| R-28 | 934.3 | 05/06/13 | WG | Specific Conductance | 416 | µS/cm | CAMO-13-30576 |
| R-28 | 934.3 | 02/01/13 | WG | Specific Conductance | 412 | µS/cm | CAMO-13-28408 |
| R-28 | 934.3 | 10/31/12 | WG | Specific Conductance | 435 | µS/cm | CAMO-13-24260 |
| R-28 | 934.3 | 11/13/14 | WG | Temperature | 20.68 | deg C | CAMO-15-90212 |
| R-28 | 934.3 | 07/11/14 | WG | Temperature | 21.47 | deg C | CAMO-14-83997 |
| R-28 | 934.3 | 05/06/13 | WG | Temperature | 20.22 | deg C | CAMO-13-30576 |
| R-28 | 934.3 | 02/01/13 | WG | Temperature | 19.17 | deg C | CAMO-13-28408 |
| R-28 | 934.3 | 10/31/12 | WG | Temperature | 20.48 | deg C | CAMO-13-24260 |
| R-28 | 934.3 | 11/13/14 | WG | Turbidity | 0.63 | NTU | CAMO-15-90212 |
| R-28 | 934.3 | 07/11/14 | WG | Turbidity | 2 | NTU | CAMO-14-83997 |
| R-28 | 934.3 | 05/06/13 | WG | Turbidity | 0.1 | NTU | CAMO-13-30576 |
| R-28 | 934.3 | 02/01/13 | WG | Turbidity | 0.46 | NTU | CAMO-13-28408 |
| R-28 | 934.3 | 10/31/12 | WG | Turbidity | 0.45 | NTU | CAMO-13-24260 |
| R-33 S1 | 995.5 | 11/06/14 | WG | Dissolved Oxygen | 5.13 | mg/L | CAMO-15-90213 |
| R-33 S1 | 995.5 | 07/09/14 | WG | Dissolved Oxygen | 5.16 | mg/L | CAMO-14-81575 |
| R-33 S1 | 995.5 | 07/10/13 | WG | Dissolved Oxygen | 5.02 | mg/L | CAMO-13-37037 |
| R-33 S1 | 995.5 | 08/21/12 | WG | Dissolved Oxygen | 5.12 | mg/L | CAMO-12-21788 |
| R-33 S1 | 995.5 | 08/04/11 | WG | Dissolved Oxygen | 5.19 | mg/L | CAMO-11-24664 |
| R-33 S1 | 995.5 | 11/06/14 | WG | Flow (in gpm) | 3.13 | gpm | CAMO-15-90213 |
| R-33 S1 | 995.5 | 07/09/14 | WG | Flow (in gpm) | 3.3 | gpm | CAMO-14-81575 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-33 S1 | 995.5 | 08/04/11 | WG | Flow (in gpm) | 3 | gpm | CAMO-11-24664 |
| R-33 S1 | 995.5 | 05/16/11 | WG | Flow (in gpm) | 3 | gpm | CAMO-11-10762 |
| R-33 S1 | 995.5 | 02/10/11 | WG | Flow (in gpm) | 3.1 | gpm | CAMO-11-4661 |
| R-33 S1 | 995.5 | 11/06/14 | WG | Oxidation-Reduction Potential | 20.7 | mV | CAMO-15-90213 |
| R-33 S1 | 995.5 | 07/09/14 | WG | Oxidation-Reduction Potential | 41.9 | mV | CAMO-14-81575 |
| R-33 S1 | 995.5 | 07/10/13 | WG | Oxidation-Reduction Potential | 61.3 | mV | CAMO-13-37037 |
| R-33 S1 | 995.5 | 08/21/12 | WG | Oxidation-Reduction Potential | 122.3 | mV | CAMO-12-21788 |
| R-33 S1 | 995.5 | 08/04/11 | WG | Oxidation-Reduction Potential | 232.1 | mV | CAMO-11-24664 |
| R-33 S1 | 995.5 | 11/06/14 | WG | pH | 7.24 | SU | CAMO-15-90213 |
| R-33 S1 | 995.5 | 07/09/14 | WG | pH | 7.52 | SU | CAMO-14-81575 |
| R-33 S1 | 995.5 | 07/10/13 | WG | pH | 7.54 | SU | CAMO-13-37037 |
| R-33 S1 | 995.5 | 08/21/12 | WG | pH | 7.43 | SU | CAMO-12-21788 |
| R-33 S1 | 995.5 | 08/04/11 | WG | pH | 7.48 | SU | CAMO-11-24664 |
| R-33 S1 | 995.5 | 11/06/14 | WG | Specific Conductance | 148 | µS/cm | CAMO-15-90213 |
| R-33 S1 | 995.5 | 07/09/14 | WG | Specific Conductance | 145 | µS/cm | CAMO-14-81575 |
| R-33 S1 | 995.5 | 07/10/13 | WG | Specific Conductance | 145 | µS/cm | CAMO-13-37037 |
| R-33 S1 | 995.5 | 08/21/12 | WG | Specific Conductance | 145 | µS/cm | CAMO-12-21788 |
| R-33 S1 | 995.5 | 08/04/11 | WG | Specific Conductance | 144 | µS/cm | CAMO-11-24664 |
| R-33 S1 | 995.5 | 11/06/14 | WG | Temperature | 21.11 | deg C | CAMO-15-90213 |
| R-33 S1 | 995.5 | 07/09/14 | WG | Temperature | 22.27 | deg C | CAMO-14-81575 |
| R-33 S1 | 995.5 | 07/10/13 | WG | Temperature | 22.19 | deg C | CAMO-13-37037 |
| R-33 S1 | 995.5 | 08/21/12 | WG | Temperature | 21.62 | deg C | CAMO-12-21788 |
| R-33 S1 | 995.5 | 08/04/11 | WG | Temperature | 21.83 | deg C | CAMO-11-24664 |
| R-33 S1 | 995.5 | 11/06/14 | WG | Turbidity | 0.87 | NTU | CAMO-15-90213 |
| R-33 S1 | 995.5 | 07/09/14 | WG | Turbidity | 0.4 | NTU | CAMO-14-81575 |
| R-33 S1 | 995.5 | 07/10/13 | WG | Turbidity | 0.7 | NTU | CAMO-13-37037 |
| R-33 S1 | 995.5 | 08/21/12 | WG | Turbidity | 0.38 | NTU | CAMO-12-21788 |
| R-33 S1 | 995.5 | 08/04/11 | WG | Turbidity | 0.39 | NTU | CAMO-11-24664 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-33 S2 | 1112.4 | 11/06/14 | WG | Dissolved Oxygen | 6.59 | mg/L | CAMO-15-90214 |
| R-33 S2 | 1112.4 | 07/09/14 | WG | Dissolved Oxygen | 6.48 | mg/L | CAMO-14-81576 |
| R-33 S2 | 1112.4 | 07/11/13 | WG | Dissolved Oxygen | 6.62 | mg/L | CAMO-13-37038 |
| R-33 S2 | 1112.4 | 08/21/12 | WG | Dissolved Oxygen | 6.54 | mg/L | CAMO-12-21789 |
| R-33 S2 | 1112.4 | 08/04/11 | WG | Dissolved Oxygen | 6.57 | mg/L | CAMO-11-24669 |
| R-33 S2 | 1112.4 | 11/06/14 | WG | Flow (in gpm) | 2.91 | gpm | CAMO-15-90214 |
| R-33 S2 | 1112.4 | 07/09/14 | WG | Flow (in gpm) | 2.7 | gpm | CAMO-14-81576 |
| R-33 S2 | 1112.4 | 08/04/11 | WG | Flow (in gpm) | 2.7 | gpm | CAMO-11-24669 |
| R-33 S2 | 1112.4 | 05/16/11 | WG | Flow (in gpm) | 2.8 | gpm | CAMO-11-10768 |
| R-33 S2 | 1112.4 | 02/11/11 | WG | Flow (in gpm) | 2.8 | gpm | CAMO-11-4667 |
| R-33 S2 | 1112.4 | 11/06/14 | WG | Oxidation-Reduction Potential | 101.6 | mV | CAMO-15-90214 |
| R-33 S2 | 1112.4 | 07/09/14 | WG | Oxidation-Reduction Potential | 49 | mV | CAMO-14-81576 |
| R-33 S2 | 1112.4 | 07/11/13 | WG | Oxidation-Reduction Potential | 69.2 | mV | CAMO-13-37038 |
| R-33 S2 | 1112.4 | 08/21/12 | WG | Oxidation-Reduction Potential | 149.4 | mV | CAMO-12-21789 |
| R-33 S2 | 1112.4 | 08/04/11 | WG | Oxidation-Reduction Potential | 244.8 | mV | CAMO-11-24669 |
| R-33 S2 | 1112.4 | 11/06/14 | WG | pH | 7.49 | SU | CAMO-15-90214 |
| R-33 S2 | 1112.4 | 07/09/14 | WG | pH | 7.64 | SU | CAMO-14-81576 |
| R-33 S2 | 1112.4 | 07/11/13 | WG | pH | 7.63 | SU | CAMO-13-37038 |
| R-33 S2 | 1112.4 | 08/21/12 | WG | pH | 7.71 | SU | CAMO-12-21789 |
| R-33 S2 | 1112.4 | 08/04/11 | WG | pH | 7.67 | SU | CAMO-11-24669 |
| R-33 S2 | 1112.4 | 11/06/14 | WG | Specific Conductance | 144 | µS/cm | CAMO-15-90214 |
| R-33 S2 | 1112.4 | 07/09/14 | WG | Specific Conductance | 142 | µS/cm | CAMO-14-81576 |
| R-33 S2 | 1112.4 | 07/11/13 | WG | Specific Conductance | 144 | µS/cm | CAMO-13-37038 |
| R-33 S2 | 1112.4 | 08/21/12 | WG | Specific Conductance | 142 | µS/cm | CAMO-12-21789 |
| R-33 S2 | 1112.4 | 08/04/11 | WG | Specific Conductance | 137 | µS/cm | CAMO-11-24669 |
| R-33 S2 | 1112.4 | 11/06/14 | WG | Temperature | 21.34 | deg C | CAMO-15-90214 |
| R-33 S2 | 1112.4 | 07/09/14 | WG | Temperature | 21.7 | deg C | CAMO-14-81576 |
| R-33 S2 | 1112.4 | 07/11/13 | WG | Temperature | 21.71 | deg C | CAMO-13-37038 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-33 S2 | 1112.4 | 08/21/12 | WG | Temperature | 21.15 | deg C | CAMO-12-21789 |
| R-33 S2 | 1112.4 | 08/04/11 | WG | Temperature | 21.61 | deg C | CAMO-11-24669 |
| R-33 S2 | 1112.4 | 11/06/14 | WG | Turbidity | 0.57 | NTU | CAMO-15-90214 |
| R-33 S2 | 1112.4 | 07/09/14 | WG | Turbidity | 0.4 | NTU | CAMO-14-81576 |
| R-33 S2 | 1112.4 | 07/11/13 | WG | Turbidity | 0.31 | NTU | CAMO-13-37038 |
| R-33 S2 | 1112.4 | 08/21/12 | WG | Turbidity | 0.52 | NTU | CAMO-12-21789 |
| R-33 S2 | 1112.4 | 08/04/11 | WG | Turbidity | 0.43 | NTU | CAMO-11-24669 |
| R-35a | 1013.1 | 11/10/14 | WG | Dissolved Oxygen | 4.76 | mg/L | CASA-15-90250 |
| R-35a | 1013.1 | 07/18/14 | WG | Dissolved Oxygen | 5.06 | mg/L | CASA-14-81517 |
| R-35a | 1013.1 | 05/14/14 | WG | Dissolved Oxygen | 4.84 | mg/L | CASA-14-75525 |
| R-35a | 1013.1 | 01/16/14 | WG | Dissolved Oxygen | 4.84 | mg/L | CASA-14-49688 |
| R-35a | 1013.1 | 11/13/13 | WG | Dissolved Oxygen | 4.99 | mg/L | CASA-14-45705 |
| R-35a | 1013.1 | 11/10/14 | WG | Flow (in gpm) | 3.85 | gpm | CASA-15-90250 |
| R-35a | 1013.1 | 07/18/14 | WG | Flow (in gpm) | 3.9 | gpm | CASA-14-81517 |
| R-35a | 1013.1 | 05/14/14 | WG | Flow (in gpm) | 3.8 | gpm | CASA-14-75525 |
| R-35a | 1013.1 | 01/16/14 | WG | Flow (in gpm) | 3.9 | gpm | CASA-14-49688 |
| R-35a | 1013.1 | 11/17/11 | WG | Flow (in gpm) | 3.5 | gpm | CASA-12-1383 |
| R-35a | 1013.1 | 11/10/14 | WG | Oxidation-Reduction Potential | 142.3 | mV | CASA-15-90250 |
| R-35a | 1013.1 | 07/18/14 | WG | Oxidation-Reduction Potential | 62.6 | mV | CASA-14-81517 |
| R-35a | 1013.1 | 05/14/14 | WG | Oxidation-Reduction Potential | 75.5 | mV | CASA-14-75525 |
| R-35a | 1013.1 | 01/16/14 | WG | Oxidation-Reduction Potential | 176.6 | mV | CASA-14-49688 |
| R-35a | 1013.1 | 11/13/13 | WG | Oxidation-Reduction Potential | 131.1 | mV | CASA-14-45705 |
| R-35a | 1013.1 | 11/10/14 | WG | pH | 7.96 | SU | CASA-15-90250 |
| R-35a | 1013.1 | 07/18/14 | WG | pH | 7.9 | SU | CASA-14-81517 |
| R-35a | 1013.1 | 05/14/14 | WG | pH | 8 | SU | CASA-14-75525 |
| R-35a | 1013.1 | 01/16/14 | WG | pH | 7.96 | SU | CASA-14-49688 |
| R-35a | 1013.1 | 11/13/13 | WG | pH | 8.06 | SU | CASA-14-45705 |
| R-35a | 1013.1 | 11/10/14 | WG | Specific Conductance | 246 | µS/cm | CASA-15-90250 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-35a | 1013.1 | 07/18/14 | WG | Specific Conductance | 251 | µS/cm | CASA-14-81517 |
| R-35a | 1013.1 | 05/14/14 | WG | Specific Conductance | 246 | µS/cm | CASA-14-75525 |
| R-35a | 1013.1 | 01/16/14 | WG | Specific Conductance | 246 | µS/cm | CASA-14-49688 |
| R-35a | 1013.1 | 11/13/13 | WG | Specific Conductance | 243 | µS/cm | CASA-14-45705 |
| R-35a | 1013.1 | 11/10/14 | WG | Temperature | 24.24 | deg C | CASA-15-90250 |
| R-35a | 1013.1 | 07/18/14 | WG | Temperature | 24.83 | deg C | CASA-14-81517 |
| R-35a | 1013.1 | 05/14/14 | WG | Temperature | 24.33 | deg C | CASA-14-75525 |
| R-35a | 1013.1 | 01/16/14 | WG | Temperature | 24.02 | deg C | CASA-14-49688 |
| R-35a | 1013.1 | 11/13/13 | WG | Temperature | 24.18 | deg C | CASA-14-45705 |
| R-35a | 1013.1 | 11/10/14 | WG | Turbidity | 1.4 | NTU | CASA-15-90250 |
| R-35a | 1013.1 | 07/18/14 | WG | Turbidity | 0.8 | NTU | CASA-14-81517 |
| R-35a | 1013.1 | 05/14/14 | WG | Turbidity | 0.9 | NTU | CASA-14-75525 |
| R-35a | 1013.1 | 01/16/14 | WG | Turbidity | 0.83 | NTU | CASA-14-49688 |
| R-35a | 1013.1 | 11/13/13 | WG | Turbidity | 1.4 | NTU | CASA-14-45705 |
| R-35b | 825.4 | 11/06/14 | WG | Dissolved Oxygen | 6.04 | mg/L | CASA-15-90251 |
| R-35b | 825.4 | 07/18/14 | WG | Dissolved Oxygen | 6.01 | mg/L | CASA-14-81524 |
| R-35b | 825.4 | 05/07/14 | WG | Dissolved Oxygen | 6.14 | mg/L | CASA-14-75526 |
| R-35b | 825.4 | 01/15/14 | WG | Dissolved Oxygen | 6.17 | mg/L | CASA-14-49689 |
| R-35b | 825.4 | 11/13/13 | WG | Dissolved Oxygen | 6.06 | mg/L | CASA-14-45706 |
| R-35b | 825.4 | 11/06/14 | WG | Flow (in gpm) | 3.06 | gpm | CASA-15-90251 |
| R-35b | 825.4 | 07/18/14 | WG | Flow (in gpm) | 2.88 | gpm | CASA-14-81524 |
| R-35b | 825.4 | 05/07/14 | WG | Flow (in gpm) | 3.03 | gpm | CASA-14-75526 |
| R-35b | 825.4 | 01/15/14 | WG | Flow (in gpm) | 2.97 | gpm | CASA-14-49689 |
| R-35b | 825.4 | 11/09/11 | WG | Flow (in gpm) | 3 | gpm | CASA-12-1387 |
| R-35b | 825.4 | 11/06/14 | WG | Oxidation-Reduction Potential | 142.6 | mV | CASA-15-90251 |
| R-35b | 825.4 | 07/18/14 | WG | Oxidation-Reduction Potential | 76.5 | mV | CASA-14-81524 |
| R-35b | 825.4 | 05/07/14 | WG | Oxidation-Reduction Potential | 18.7 | mV | CASA-14-75526 |
| R-35b | 825.4 | 01/15/14 | WG | Oxidation-Reduction Potential | -49.5 | mV | CASA-14-49689 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-35b | 825.4 | 11/13/13 | WG | Oxidation-Reduction Potential | 76.3 | mV | CASA-14-45706 |
| R-35b | 825.4 | 11/06/14 | WG | pH | 7.59 | SU | CASA-15-90251 |
| R-35b | 825.4 | 07/18/14 | WG | pH | 7.55 | SU | CASA-14-81524 |
| R-35b | 825.4 | 05/07/14 | WG | pH | 7.5 | SU | CASA-14-75526 |
| R-35b | 825.4 | 01/15/14 | WG | pH | 7.44 | SU | CASA-14-49689 |
| R-35b | 825.4 | 11/13/13 | WG | pH | 7.48 | SU | CASA-14-45706 |
| R-35b | 825.4 | 11/06/14 | WG | Specific Conductance | 174 | µS/cm | CASA-15-90251 |
| R-35b | 825.4 | 07/18/14 | WG | Specific Conductance | 173 | µS/cm | CASA-14-81524 |
| R-35b | 825.4 | 05/07/14 | WG | Specific Conductance | 175 | µS/cm | CASA-14-75526 |
| R-35b | 825.4 | 01/15/14 | WG | Specific Conductance | 172 | µS/cm | CASA-14-49689 |
| R-35b | 825.4 | 11/13/13 | WG | Specific Conductance | 171 | µS/cm | CASA-14-45706 |
| R-35b | 825.4 | 11/06/14 | WG | Temperature | 21.71 | deg C | CASA-15-90251 |
| R-35b | 825.4 | 07/18/14 | WG | Temperature | 22.25 | deg C | CASA-14-81524 |
| R-35b | 825.4 | 05/07/14 | WG | Temperature | 21.96 | deg C | CASA-14-75526 |
| R-35b | 825.4 | 01/15/14 | WG | Temperature | 20.67 | deg C | CASA-14-49689 |
| R-35b | 825.4 | 11/13/13 | WG | Temperature | 20.79 | deg C | CASA-14-45706 |
| R-35b | 825.4 | 11/06/14 | WG | Turbidity | 0.39 | NTU | CASA-15-90251 |
| R-35b | 825.4 | 07/18/14 | WG | Turbidity | 0.9 | NTU | CASA-14-81524 |
| R-35b | 825.4 | 05/07/14 | WG | Turbidity | 0.39 | NTU | CASA-14-75526 |
| R-35b | 825.4 | 01/15/14 | WG | Turbidity | 0.6 | NTU | CASA-14-49689 |
| R-35b | 825.4 | 11/13/13 | WG | Turbidity | 0.6 | NTU | CASA-14-45706 |
| R-36 | 766.9 | 11/06/14 | WG | Dissolved Oxygen | 5.81 | mg/L | CASA-15-90252 |
| R-36 | 766.9 | 05/06/14 | WG | Dissolved Oxygen | 5.65 | mg/L | CASA-14-75527 |
| R-36 | 766.9 | 11/13/13 | WG | Dissolved Oxygen | 5.81 | mg/L | CASA-14-45707 |
| R-36 | 766.9 | 05/17/13 | WG | Dissolved Oxygen | 5.76 | mg/L | CASA-13-30545 |
| R-36 | 766.9 | 11/14/12 | WG | Dissolved Oxygen | 5.97 | mg/L | CASA-13-24212 |
| R-36 | 766.9 | 11/06/14 | WG | Flow (in gpm) | 3.33 | gpm | CASA-15-90252 |
| R-36 | 766.9 | 05/06/14 | WG | Flow (in gpm) | 3.45 | gpm | CASA-14-75527 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-36 | 766.9 | 11/16/11 | WG | Flow (in gpm) | 3.33 | gpm | CASA-12-1388 |
| R-36 | 766.9 | 08/15/11 | WG | Flow (in gpm) | 3.3 | gpm | CASA-11-24789 |
| R-36 | 766.9 | 06/02/11 | WG | Flow (in gpm) | 3.4 | gpm | CASA-11-10816 |
| R-36 | 766.9 | 11/06/14 | WG | Oxidation-Reduction Potential | 110.4 | mV | CASA-15-90252 |
| R-36 | 766.9 | 05/06/14 | WG | Oxidation-Reduction Potential | -4.3 | mV | CASA-14-75527 |
| R-36 | 766.9 | 11/13/13 | WG | Oxidation-Reduction Potential | 78.6 | mV | CASA-14-45707 |
| R-36 | 766.9 | 05/17/13 | WG | Oxidation-Reduction Potential | 105.8 | mV | CASA-13-30545 |
| R-36 | 766.9 | 11/14/12 | WG | Oxidation-Reduction Potential | 208.7 | mV | CASA-13-24212 |
| R-36 | 766.9 | 11/06/14 | WG | pH | 7.23 | SU | CASA-15-90252 |
| R-36 | 766.9 | 05/06/14 | WG | pH | 7.23 | SU | CASA-14-75527 |
| R-36 | 766.9 | 11/13/13 | WG | pH | 7.17 | SU | CASA-14-45707 |
| R-36 | 766.9 | 05/17/13 | WG | pH | 7.27 | SU | CASA-13-30545 |
| R-36 | 766.9 | 11/14/12 | WG | pH | 7.33 | SU | CASA-13-24212 |
| R-36 | 766.9 | 11/06/14 | WG | Specific Conductance | 197 | µS/cm | CASA-15-90252 |
| R-36 | 766.9 | 05/06/14 | WG | Specific Conductance | 200 | µS/cm | CASA-14-75527 |
| R-36 | 766.9 | 11/13/13 | WG | Specific Conductance | 193 | µS/cm | CASA-14-45707 |
| R-36 | 766.9 | 05/17/13 | WG | Specific Conductance | 192 | µS/cm | CASA-13-30545 |
| R-36 | 766.9 | 11/14/12 | WG | Specific Conductance | 195 | µS/cm | CASA-13-24212 |
| R-36 | 766.9 | 11/06/14 | WG | Temperature | 20.88 | deg C | CASA-15-90252 |
| R-36 | 766.9 | 05/06/14 | WG | Temperature | 22.11 | deg C | CASA-14-75527 |
| R-36 | 766.9 | 11/13/13 | WG | Temperature | 19.96 | deg C | CASA-14-45707 |
| R-36 | 766.9 | 05/17/13 | WG | Temperature | 21.4 | deg C | CASA-13-30545 |
| R-36 | 766.9 | 11/14/12 | WG | Temperature | 19.84 | deg C | CASA-13-24212 |
| R-36 | 766.9 | 11/06/14 | WG | Turbidity | 0.6 | NTU | CASA-15-90252 |
| R-36 | 766.9 | 05/06/14 | WG | Turbidity | 1.1 | NTU | CASA-14-75527 |
| R-36 | 766.9 | 11/13/13 | WG | Turbidity | 1 | NTU | CASA-14-45707 |
| R-36 | 766.9 | 05/17/13 | WG | Turbidity | 1.08 | NTU | CASA-13-30545 |
| 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-42 | 931.8 | 11/14/14 | WG | Dissolved Oxygen | 7.13 | mg/L | CAMO-15-90215 |
| R-42 | 931.8 | 07/08/14 | WG | Dissolved Oxygen | 7.08 | mg/L | CAMO-14-83998 |
| R-42 | 931.8 | 11/07/13 | WG | Dissolved Oxygen | 7.12 | mg/L | CAMO-14-45749 |
| R-42 | 931.8 | 05/06/13 | WG | Dissolved Oxygen | 6.83 | mg/L | CAMO-13-30577 |
| R-42 | 931.8 | 02/01/13 | WG | Dissolved Oxygen | 7.2 | mg/L | CAMO-13-28409 |
| R-42 | 931.8 | 11/14/14 | WG | Flow (in gpm) | 3.03 | gpm | CAMO-15-90215 |
| R-42 | 931.8 | 07/08/14 | WG | Flow (in gpm) | 8.8 | gpm | CAMO-14-83998 |
| R-42 | 931.8 | 11/10/11 | WG | Flow (in gpm) | 1.86 | gpm | CAMO-12-1491 |
| R-42 | 931.8 | 08/02/11 | WG | Flow (in gpm) | 2 | gpm | CAMO-11-24639 |
| R-42 | 931.8 | 05/31/11 | WG | Flow (in gpm) | 1.9 | gpm | CAMO-11-10717 |
| R-42 | 931.8 | 11/14/14 | WG | Oxidation-Reduction Potential | 177.1 | mV | CAMO-15-90215 |
| R-42 | 931.8 | 07/08/14 | WG | Oxidation-Reduction Potential | 68.6 | mV | CAMO-14-83998 |
| R-42 | 931.8 | 11/07/13 | WG | Oxidation-Reduction Potential | 185.6 | mV | CAMO-14-45749 |
| R-42 | 931.8 | 05/06/13 | WG | Oxidation-Reduction Potential | 274.6 | mV | CAMO-13-30577 |
| R-42 | 931.8 | 02/01/13 | WG | Oxidation-Reduction Potential | 208.4 | mV | CAMO-13-28409 |
| R-42 | 931.8 | 11/14/14 | WG | pH | 7.85 | SU | CAMO-15-90215 |
| R-42 | 931.8 | 07/08/14 | WG | pH | 7.81 | SU | CAMO-14-83998 |
| R-42 | 931.8 | 11/07/13 | WG | pH | 7.9 | SU | CAMO-14-45749 |
| R-42 | 931.8 | 05/06/13 | WG | pH | 7.36 | SU | CAMO-13-30577 |
| R-42 | 931.8 | 02/01/13 | WG | pH | 7.75 | SU | CAMO-13-28409 |
| R-42 | 931.8 | 11/14/14 | WG | Specific Conductance | 541 | µS/cm | CAMO-15-90215 |
| R-42 | 931.8 | 07/08/14 | WG | Specific Conductance | 511 | µS/cm | CAMO-14-83998 |
| R-42 | 931.8 | 11/07/13 | WG | Specific Conductance | 494 | µS/cm | CAMO-14-45749 |
| R-42 | 931.8 | 05/06/13 | WG | Specific Conductance | 502 | µS/cm | CAMO-13-30577 |
| R-42 | 931.8 | 02/01/13 | WG | Specific Conductance | 495 | µS/cm | CAMO-13-28409 |
| R-42 | 931.8 | 11/14/14 | WG | Temperature | 20.66 | deg C | CAMO-15-90215 |
| R-42 | 931.8 | 07/08/14 | WG | Temperature | 20.9 | deg C | CAMO-14-83998 |
| R-42 | 931.8 | 11/07/13 | WG | Temperature | 19.79 | deg C | CAMO-14-45749 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-42 | 931.8 | 05/06/13 | WG | Temperature | 19.48 | deg C | CAMO-13-30577 |
| R-42 | 931.8 | 02/01/13 | WG | Temperature | 19.72 | deg C | CAMO-13-28409 |
| R-42 | 931.8 | 11/14/14 | WG | Turbidity | 1.3 | NTU | CAMO-15-90215 |
| R-42 | 931.8 | 07/08/14 | WG | Turbidity | 1.6 | NTU | CAMO-14-83998 |
| R-42 | 931.8 | 11/07/13 | WG | Turbidity | 0.2 | NTU | CAMO-14-45749 |
| R-42 | 931.8 | 05/06/13 | WG | Turbidity | 1.05 | NTU | CAMO-13-30577 |
| R-42 | 931.8 | 02/01/13 | WG | Turbidity | 0.58 | NTU | CAMO-13-28409 |
| R-43 S1 | 903.9 | 11/21/14 | WG | Dissolved Oxygen | 6.98 | mg/L | CASA-15-90253 |
| R-43 S1 | 903.9 | 07/15/14 | WG | Dissolved Oxygen | 6.18 | mg/L | CASA-14-81519 |
| R-43 S1 | 903.9 | 04/30/14 | WG | Dissolved Oxygen | 6.89 | mg/L | CASA-14-75528 |
| R-43 S1 | 903.9 | 01/21/14 | WG | Dissolved Oxygen | 6.79 | mg/L | CASA-14-49690 |
| R-43 S1 | 903.9 | 11/19/13 | WG | Dissolved Oxygen | 6.96 | mg/L | CASA-14-45708 |
| R-43 S1 | 903.9 | 11/21/14 | WG | Flow (in gpm) | 1.54 | gpm | CASA-15-90253 |
| R-43 S1 | 903.9 | 07/15/14 | WG | Flow (in gpm) | 9.44 | gpm | CASA-14-81519 |
| R-43 S1 | 903.9 | 04/30/14 | WG | Flow (in gpm) | 1.29 | gpm | CASA-14-75528 |
| R-43 S1 | 903.9 | 01/21/14 | WG | Flow (in gpm) | 1.2 | gpm | CASA-14-49690 |
| R-43 S1 | 903.9 | 11/15/11 | WG | Flow (in gpm) | 1.4 | gpm | CASA-12-1391 |
| R-43 S1 | 903.9 | 11/21/14 | WG | Oxidation-Reduction Potential | 177.1 | mV | CASA-15-90253 |
| R-43 S1 | 903.9 | 07/15/14 | WG | Oxidation-Reduction Potential | 53.7 | mV | CASA-14-81519 |
| R-43 S1 | 903.9 | 04/30/14 | WG | Oxidation-Reduction Potential | 50.3 | mV | CASA-14-75528 |
| R-43 S1 | 903.9 | 01/21/14 | WG | Oxidation-Reduction Potential | 169.7 | mV | CASA-14-49690 |
| R-43 S1 | 903.9 | 11/19/13 | WG | Oxidation-Reduction Potential | 113.5 | mV | CASA-14-45708 |
| R-43 S1 | 903.9 | 11/21/14 | WG | pH | 8.05 | SU | CASA-15-90253 |
| R-43 S1 | 903.9 | 07/15/14 | WG | pH | 7.99 | SU | CASA-14-81519 |
| R-43 S1 | 903.9 | 04/30/14 | WG | pH | 8.17 | SU | CASA-14-75528 |
| R-43 S1 | 903.9 | 01/21/14 | WG | pH | 8.27 | SU | CASA-14-49690 |
| R-43 S1 | 903.9 | 11/19/13 | WG | pH | 8.25 | SU | CASA-14-45708 |
| R-43 S1 | 903.9 | 11/21/14 | WG | Specific Conductance | 188 | µS/cm | CASA-15-90253 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-43 S1 | 903.9 | 07/15/14 | WG | Specific Conductance | 181 | µS/cm | CASA-14-81519 |
| R-43 S1 | 903.9 | 04/30/14 | WG | Specific Conductance | 183 | µS/cm | CASA-14-75528 |
| R-43 S1 | 903.9 | 01/21/14 | WG | Specific Conductance | 186 | µS/cm | CASA-14-49690 |
| R-43 S1 | 903.9 | 11/19/13 | WG | Specific Conductance | 184 | µS/cm | CASA-14-45708 |
| R-43 S1 | 903.9 | 11/21/14 | WG | Temperature | 20.72 | deg C | CASA-15-90253 |
| R-43 S1 | 903.9 | 07/15/14 | WG | Temperature | 20.67 | deg C | CASA-14-81519 |
| R-43 S1 | 903.9 | 04/30/14 | WG | Temperature | 19.53 | deg C | CASA-14-75528 |
| R-43 S1 | 903.9 | 01/21/14 | WG | Temperature | 18.26 | deg C | CASA-14-49690 |
| R-43 S1 | 903.9 | 11/19/13 | WG | Temperature | 20.01 | deg C | CASA-14-45708 |
| R-43 S1 | 903.9 | 11/21/14 | WG | Turbidity | 0.18 | NTU | CASA-15-90253 |
| R-43 S1 | 903.9 | 07/15/14 | WG | Turbidity | 0.3 | NTU | CASA-14-81519 |
| R-43 S1 | 903.9 | 04/30/14 | WG | Turbidity | 0.24 | NTU | CASA-14-75528 |
| R-43 S1 | 903.9 | 01/21/14 | WG | Turbidity | 0.27 | NTU | CASA-14-49690 |
| R-43 S1 | 903.9 | 11/19/13 | WG | Turbidity | 0.2 | NTU | CASA-14-45708 |
| R-43 S2 | 969.1 | 11/21/14 | WG | Dissolved Oxygen | 5.97 | mg/L | CASA-15-90254 |
| R-43 S2 | 969.1 | 04/30/14 | WG | Dissolved Oxygen | 3.3 | mg/L | CASA-14-75529 |
| R-43 S2 | 969.1 | 01/21/14 | WG | Dissolved Oxygen | 3.28 | mg/L | CASA-14-49691 |
| R-43 S2 | 969.1 | 11/19/13 | WG | Dissolved Oxygen | 3.08 | mg/L | CASA-14-45709 |
| R-43 S2 | 969.1 | 07/18/13 | WG | Dissolved Oxygen | 3.28 | mg/L | CASA-13-36994 |
| R-43 S2 | 969.1 | 11/21/14 | WG | Flow (in gpm) | 1.48 | gpm | CASA-15-90254 |
| R-43 S2 | 969.1 | 04/30/14 | WG | Flow (in gpm) | 1.24 | gpm | CASA-14-75529 |
| R-43 S2 | 969.1 | 01/21/14 | WG | Flow (in gpm) | 1.35 | gpm | CASA-14-49691 |
| R-43 S2 | 969.1 | 11/15/11 | WG | Flow (in gpm) | 1.38 | gpm | CASA-12-1396 |
| R-43 S2 | 969.1 | 08/16/11 | WG | Flow (in gpm) | 1.2 | gpm | CASA-11-24753 |
| R-43 S2 | 969.1 | 08/16/11 | WG | Flow (in gpm) | 1.2 | gpm | CASA-11-24755 |
| R-43 S2 | 969.1 | 08/16/11 | WG | Flow (in gpm) | 1.2 | gpm | CASA-11-24787 |
| R-43 S2 | 969.1 | 08/16/11 | WG | Flow (in gpm) | 1.2 | gpm | CASA-11-24751 |
| R-43 S2 | 969.1 | 11/21/14 | WG | Oxidation-Reduction Potential | 165 | mV | CASA-15-90254 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-43 S2 | 969.1 | 04/30/14 | WG | Oxidation-Reduction Potential | 9 | mV | CASA-14-75529 |
| R-43 S2 | 969.1 | 01/21/14 | WG | Oxidation-Reduction Potential | 173.3 | mV | CASA-14-49691 |
| R-43 S2 | 969.1 | 11/19/13 | WG | Oxidation-Reduction Potential | 102.8 | mV | CASA-14-45709 |
| R-43 S2 | 969.1 | 07/18/13 | WG | Oxidation-Reduction Potential | 66.3 | mV | CASA-13-36994 |
| R-43 S2 | 969.1 | 11/21/14 | WG | pH | 8.29 | SU | CASA-15-90254 |
| R-43 S2 | 969.1 | 04/30/14 | WG | pH | 8.75 | SU | CASA-14-75529 |
| R-43 S2 | 969.1 | 01/21/14 | WG | pH | 8.64 | SU | CASA-14-49691 |
| R-43 S2 | 969.1 | 11/19/13 | WG | pH | 8.71 | SU | CASA-14-45709 |
| R-43 S2 | 969.1 | 07/18/13 | WG | pH | 8.59 | SU | CASA-13-36994 |
| R-43 S2 | 969.1 | 11/21/14 | WG | Specific Conductance | 201 | µS/cm | CASA-15-90254 |
| R-43 S2 | 969.1 | 04/30/14 | WG | Specific Conductance | 192 | µS/cm | CASA-14-75529 |
| R-43 S2 | 969.1 | 01/21/14 | WG | Specific Conductance | 198 | µS/cm | CASA-14-49691 |
| R-43 S2 | 969.1 | 11/19/13 | WG | Specific Conductance | 197 | µS/cm | CASA-14-45709 |
| R-43 S2 | 969.1 | 07/18/13 | WG | Specific Conductance | 195 | µS/cm | CASA-13-36994 |
| R-43 S2 | 969.1 | 11/21/14 | WG | Temperature | 19.8 | deg C | CASA-15-90254 |
| R-43 S2 | 969.1 | 04/30/14 | WG | Temperature | 19.22 | deg C | CASA-14-75529 |
| R-43 S2 | 969.1 | 01/21/14 | WG | Temperature | 19.95 | deg C | CASA-14-49691 |
| R-43 S2 | 969.1 | 11/19/13 | WG | Temperature | 19.72 | deg C | CASA-14-45709 |
| R-43 S2 | 969.1 | 07/18/13 | WG | Temperature | 20.24 | deg C | CASA-13-36994 |
| R-43 S2 | 969.1 | 11/21/14 | WG | Turbidity | 0.27 | NTU | CASA-15-90254 |
| R-43 S2 | 969.1 | 04/30/14 | WG | Turbidity | 0.23 | NTU | CASA-14-75529 |
| R-43 S2 | 969.1 | 01/21/14 | WG | Turbidity | 0.35 | NTU | CASA-14-49691 |
| R-43 S2 | 969.1 | 11/19/13 | WG | Turbidity | 0.2 | NTU | CASA-14-45709 |
| R-43 S2 | 969.1 | 07/18/13 | WG | Turbidity | 0 | NTU | CASA-13-36994 |
| R-44 S1 | 895 | 11/05/14 | WG | Dissolved Oxygen | 7.08 | mg/L | CAMO-15-90216 |
| R-44 S1 | 895 | 07/10/14 | WG | Dissolved Oxygen | 6.97 | mg/L | CAMO-14-83999 |
| R-44 S1 | 895 | 05/13/14 | WG | Dissolved Oxygen | 7.01 | mg/L | CAMO-14-75500 |
| R-44 S1 | 895 | 01/13/14 | WG | Dissolved Oxygen | 6.8 | mg/L | CAMO-14-49666 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-44 S1 | 895 | 11/06/13 | WG | Dissolved Oxygen | 6.2 | mg/L | CAMO-14-45766 |
| R-44 S1 | 895 | 11/05/14 | WG | Flow (in gpm) | 3.3 | gpm | CAMO-15-90216 |
| R-44 S1 | 895 | 07/10/14 | WG | Flow (in gpm) | 3.3 | gpm | CAMO-14-83999 |
| R-44 S1 | 895 | 05/13/14 | WG | Flow (in gpm) | 3.41 | gpm | CAMO-14-75500 |
| R-44 S1 | 895 | 01/13/14 | WG | Flow (in gpm) | 3.37 | gpm | CAMO-14-49666 |
| R-44 S1 | 895 | 11/17/11 | WG | Flow (in gpm) | 3.25 | gpm | CAMO-12-1500 |
| R-44 S1 | 895 | 11/05/14 | WG | Oxidation-Reduction Potential | 114.9 | mV | CAMO-15-90216 |
| R-44 S1 | 895 | 07/10/14 | WG | Oxidation-Reduction Potential | 91.5 | mV | CAMO-14-83999 |
| R-44 S1 | 895 | 05/13/14 | WG | Oxidation-Reduction Potential | 46.5 | mV | CAMO-14-75500 |
| R-44 S1 | 895 | 01/13/14 | WG | Oxidation-Reduction Potential | -45.9 | mV | CAMO-14-49666 |
| R-44 S1 | 895 | 11/06/13 | WG | Oxidation-Reduction Potential | 117.4 | mV | CAMO-14-45766 |
| R-44 S1 | 895 | 11/05/14 | WG | pH | 7.79 | SU | CAMO-15-90216 |
| R-44 S1 | 895 | 07/10/14 | WG | pH | 7.66 | SU | CAMO-14-83999 |
| R-44 S1 | 895 | 05/13/14 | WG | pH | 7.75 | SU | CAMO-14-75500 |
| R-44 S1 | 895 | 01/13/14 | WG | pH | 7.68 | SU | CAMO-14-49666 |
| R-44 S1 | 895 | 11/06/13 | WG | pH | 7.82 | SU | CAMO-14-45766 |
| R-44 S1 | 895 | 11/05/14 | WG | Specific Conductance | 136 | µS/cm | CAMO-15-90216 |
| R-44 S1 | 895 | 07/10/14 | WG | Specific Conductance | 137 | µS/cm | CAMO-14-83999 |
| R-44 S1 | 895 | 05/13/14 | WG | Specific Conductance | 144 | µS/cm | CAMO-14-75500 |
| R-44 S1 | 895 | 01/13/14 | WG | Specific Conductance | 134 | µS/cm | CAMO-14-49666 |
| R-44 S1 | 895 | 11/06/13 | WG | Specific Conductance | 135 | µS/cm | CAMO-14-45766 |
| R-44 S1 | 895 | 11/05/14 | WG | Temperature | 20.58 | deg C | CAMO-15-90216 |
| R-44 S1 | 895 | 07/10/14 | WG | Temperature | 21.21 | deg C | CAMO-14-83999 |
| R-44 S1 | 895 | 05/13/14 | WG | Temperature | 20.08 | deg C | CAMO-14-75500 |
| R-44 S1 | 895 | 01/13/14 | WG | Temperature | 20.5 | deg C | CAMO-14-49666 |
| R-44 S1 | 895 | 11/06/13 | WG | Temperature | 18.84 | deg C | CAMO-14-45766 |
| R-44 S1 | 895 | 11/05/14 | WG | Turbidity | 0.28 | NTU | CAMO-15-90216 |
| R-44 S1 | 895 | 07/10/14 | WG | Turbidity | 0.3 | NTU | CAMO-14-83999 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-44 S1 | 895 | 05/13/14 | WG | Turbidity | 0.45 | NTU | CAMO-14-75500 |
| R-44 S1 | 895 | 01/13/14 | WG | Turbidity | 0.1 | NTU | CAMO-14-49666 |
| R-44 S1 | 895 | 11/06/13 | WG | Turbidity | 0 | NTU | CAMO-14-45766 |
| R-44 S2 | 985.3 | 11/05/14 | WG | Dissolved Oxygen | 7.29 | mg/L | CAMO-15-90217 |
| R-44 S2 | 985.3 | 07/10/14 | WG | Dissolved Oxygen | 7.13 | mg/L | CAMO-14-84000 |
| R-44 S2 | 985.3 | 05/13/14 | WG | Dissolved Oxygen | 7.25 | mg/L | CAMO-14-75501 |
| R-44 S2 | 985.3 | 01/13/14 | WG | Dissolved Oxygen | 7.24 | mg/L | CAMO-14-49667 |
| R-44 S2 | 985.3 | 11/06/13 | WG | Dissolved Oxygen | 7.14 | mg/L | CAMO-14-45767 |
| R-44 S2 | 985.3 | 11/05/14 | WG | Flow (in gpm) | 3.3 | gpm | CAMO-15-90217 |
| R-44 S2 | 985.3 | 07/10/14 | WG | Flow (in gpm) | 3.3 | gpm | CAMO-14-84000 |
| R-44 S2 | 985.3 | 05/13/14 | WG | Flow (in gpm) | 3.37 | gpm | CAMO-14-75501 |
| R-44 S2 | 985.3 | 01/13/14 | WG | Flow (in gpm) | 3.37 | gpm | CAMO-14-49667 |
| R-44 S2 | 985.3 | 11/17/11 | WG | Flow (in gpm) | 3.5 | gpm | CAMO-12-1502 |
| R-44 S2 | 985.3 | 11/05/14 | WG | Oxidation-Reduction Potential | 133.5 | mV | CAMO-15-90217 |
| R-44 S2 | 985.3 | 07/10/14 | WG | Oxidation-Reduction Potential | 89.5 | mV | CAMO-14-84000 |
| R-44 S2 | 985.3 | 05/13/14 | WG | Oxidation-Reduction Potential | 39.6 | mV | CAMO-14-75501 |
| R-44 S2 | 985.3 | 01/13/14 | WG | Oxidation-Reduction Potential | -46.4 | mV | CAMO-14-49667 |
| R-44 S2 | 985.3 | 11/06/13 | WG | Oxidation-Reduction Potential | 102.7 | mV | CAMO-14-45767 |
| R-44 S2 | 985.3 | 11/05/14 | WG | pH | 7.87 | SU | CAMO-15-90217 |
| R-44 S2 | 985.3 | 07/10/14 | WG | pH | 7.76 | SU | CAMO-14-84000 |
| R-44 S2 | 985.3 | 05/13/14 | WG | pH | 7.92 | SU | CAMO-14-75501 |
| R-44 S2 | 985.3 | 01/13/14 | WG | pH | 7.8 | SU | CAMO-14-49667 |
| R-44 S2 | 985.3 | 11/06/13 | WG | pH | 7.9 | SU | CAMO-14-45767 |
| R-44 S2 | 985.3 | 11/05/14 | WG | Specific Conductance | 145 | µS/cm | CAMO-15-90217 |
| R-44 S2 | 985.3 | 07/10/14 | WG | Specific Conductance | 145 | µS/cm | CAMO-14-84000 |
| R-44 S2 | 985.3 | 05/13/14 | WG | Specific Conductance | 153 | µS/cm | CAMO-14-75501 |
| R-44 S2 | 985.3 | 01/13/14 | WG | Specific Conductance | 143 | µS/cm | CAMO-14-49667 |
| R-44 S2 | 985.3 | 11/06/13 | WG | Specific Conductance | 146 | µS/cm | CAMO-14-45767 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-44 S2 | 985.3 | 11/05/14 | WG | Temperature | 20.92 | deg C | CAMO-15-90217 |
| R-44 S2 | 985.3 | 07/10/14 | WG | Temperature | 21.2 | deg C | CAMO-14-84000 |
| R-44 S2 | 985.3 | 05/13/14 | WG | Temperature | 20.3 | deg C | CAMO-14-75501 |
| R-44 S2 | 985.3 | 01/13/14 | WG | Temperature | 20.25 | deg C | CAMO-14-49667 |
| R-44 S2 | 985.3 | 11/06/13 | WG | Temperature | 20.4 | deg C | CAMO-14-45767 |
| R-44 S2 | 985.3 | 11/05/14 | WG | Turbidity | 0.53 | NTU | CAMO-15-90217 |
| R-44 S2 | 985.3 | 07/10/14 | WG | Turbidity | 0.39 | NTU | CAMO-14-84000 |
| R-44 S2 | 985.3 | 05/13/14 | WG | Turbidity | 0.45 | NTU | CAMO-14-75501 |
| R-44 S2 | 985.3 | 01/13/14 | WG | Turbidity | 0.1 | NTU | CAMO-14-49667 |
| R-44 S2 | 985.3 | 11/06/13 | WG | Turbidity | 0.25 | NTU | CAMO-14-45767 |
| R-45 S1 | 880 | 11/05/14 | WG | Dissolved Oxygen | 7.1 | mg/L | CAMO-15-90218 |
| R-45 S1 | 880 | 05/07/14 | WG | Dissolved Oxygen | 7.23 | mg/L | CAMO-14-75502 |
| R-45 S1 | 880 | 01/14/14 | WG | Dissolved Oxygen | 7.21 | mg/L | CAMO-14-49679 |
| R-45 S1 | 880 | 11/06/13 | WG | Dissolved Oxygen | 7.22 | mg/L | CAMO-14-45752 |
| R-45 S1 | 880 | 05/09/13 | WG | Dissolved Oxygen | 7.14 | mg/L | CAMO-13-30580 |
| R-45 S1 | 880 | 11/05/14 | WG | Flow (in gpm) | 3.53 | gpm | CAMO-15-90218 |
| R-45 S1 | 880 | 05/07/14 | WG | Flow (in gpm) | 3.61 | gpm | CAMO-14-75502 |
| R-45 S1 | 880 | 01/14/14 | WG | Flow (in gpm) | 3.6 | gpm | CAMO-14-49679 |
| R-45 S1 | 880 | 11/16/11 | WG | Flow (in gpm) | 3.5 | gpm | CAMO-12-1494 |
| R-45 S1 | 880 | 08/01/11 | WG | Flow (in gpm) | 3.3 | gpm | CAMO-11-24642 |
| R-45 S1 | 880 | 11/05/14 | WG | Oxidation-Reduction Potential | 176.7 | mV | CAMO-15-90218 |
| R-45 S1 | 880 | 05/07/14 | WG | Oxidation-Reduction Potential | -14.7 | mV | CAMO-14-75502 |
| R-45 S1 | 880 | 01/14/14 | WG | Oxidation-Reduction Potential | 129.2 | mV | CAMO-14-49679 |
| R-45 S1 | 880 | 11/06/13 | WG | Oxidation-Reduction Potential | 82.6 | mV | CAMO-14-45752 |
| R-45 S1 | 880 | 05/09/13 | WG | Oxidation-Reduction Potential | 303.7 | mV | CAMO-13-30580 |
| R-45 S1 | 880 | 11/05/14 | WG | pH | 7.61 | SU | CAMO-15-90218 |
| R-45 S1 | 880 | 05/07/14 | WG | pH | 7.8 | SU | CAMO-14-75502 |
| R-45 S1 | 880 | 01/14/14 | WG | pH | 7.77 | SU | CAMO-14-49679 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-45 S1 | 880 | 11/06/13 | WG | pH | 7.95 | SU | CAMO-14-45752 |
| R-45 S1 | 880 | 05/09/13 | WG | pH | 7.66 | SU | CAMO-13-30580 |
| R-45 S1 | 880 | 11/05/14 | WG | Specific Conductance | 189 | µS/cm | CAMO-15-90218 |
| R-45 S1 | 880 | 05/07/14 | WG | Specific Conductance | 182 | µS/cm | CAMO-14-75502 |
| R-45 S1 | 880 | 01/14/14 | WG | Specific Conductance | 182 | µS/cm | CAMO-14-49679 |
| R-45 S1 | 880 | 11/06/13 | WG | Specific Conductance | 183 | µS/cm | CAMO-14-45752 |
| R-45 S1 | 880 | 05/09/13 | WG | Specific Conductance | 179 | µS/cm | CAMO-13-30580 |
| R-45 S1 | 880 | 11/05/14 | WG | Temperature | 19.94 | deg C | CAMO-15-90218 |
| R-45 S1 | 880 | 05/07/14 | WG | Temperature | 21.13 | deg C | CAMO-14-75502 |
| R-45 S1 | 880 | 01/14/14 | WG | Temperature | 20.33 | deg C | CAMO-14-49679 |
| R-45 S1 | 880 | 11/06/13 | WG | Temperature | 20.23 | deg C | CAMO-14-45752 |
| R-45 S1 | 880 | 05/09/13 | WG | Temperature | 19.49 | deg C | CAMO-13-30580 |
| R-45 S1 | 880 | 11/05/14 | WG | Turbidity | 0.31 | NTU | CAMO-15-90218 |
| R-45 S1 | 880 | 05/07/14 | WG | Turbidity | 0.3 | NTU | CAMO-14-75502 |
| R-45 S1 | 880 | 01/14/14 | WG | Turbidity | 0.21 | NTU | CAMO-14-49679 |
| R-45 S1 | 880 | 11/06/13 | WG | Turbidity | 0 | NTU | CAMO-14-45752 |
| R-45 S1 | 880 | 05/09/13 | WG | Turbidity | 0.39 | NTU | CAMO-13-30580 |
| R-45 S2 | 974.9 | 11/05/14 | WG | Dissolved Oxygen | 6.48 | mg/L | CAMO-15-90219 |
| R-45 S2 | 974.9 | 05/07/14 | WG | Dissolved Oxygen | 6.32 | mg/L | CAMO-14-75503 |
| R-45 S2 | 974.9 | 01/14/14 | WG | Dissolved Oxygen | 6.26 | mg/L | CAMO-14-49680 |
| R-45 S2 | 974.9 | 11/06/13 | WG | Dissolved Oxygen | 6.64 | mg/L | CAMO-14-45753 |
| R-45 S2 | 974.9 | 05/09/13 | WG | Dissolved Oxygen | 6.43 | mg/L | CAMO-13-30581 |
| R-45 S2 | 974.9 | 11/05/14 | WG | Flow (in gpm) | 3.57 | gpm | CAMO-15-90219 |
| R-45 S2 | 974.9 | 05/07/14 | WG | Flow (in gpm) | 3.7 | gpm | CAMO-14-75503 |
| R-45 S2 | 974.9 | 01/14/14 | WG | Flow (in gpm) | 3.6 | gpm | CAMO-14-49680 |
| R-45 S2 | 974.9 | 11/16/11 | WG | Flow (in gpm) | 3.5 | gpm | CAMO-12-1497 |
| R-45 S2 | 974.9 | 08/01/11 | WG | Flow (in gpm) | 3.25 | gpm | CAMO-11-24644 |
| R-45 S2 | 974.9 | 11/05/14 | WG | Oxidation-Reduction Potential | 149.6 | mV | CAMO-15-90219 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-45 S2 | 974.9 | 05/07/14 | WG | Oxidation-Reduction Potential | -16.2 | mV | CAMO-14-75503 |
| R-45 S2 | 974.9 | 01/14/14 | WG | Oxidation-Reduction Potential | 158.1 | mV | CAMO-14-49680 |
| R-45 S2 | 974.9 | 11/06/13 | WG | Oxidation-Reduction Potential | 120.5 | mV | CAMO-14-45753 |
| R-45 S2 | 974.9 | 05/09/13 | WG | Oxidation-Reduction Potential | 314.4 | mV | CAMO-13-30581 |
| R-45 S2 | 974.9 | 11/05/14 | WG | pH | 7.92 | SU | CAMO-15-90219 |
| R-45 S2 | 974.9 | 05/07/14 | WG | pH | 8.08 | SU | CAMO-14-75503 |
| R-45 S2 | 974.9 | 01/14/14 | WG | pH | 8.14 | SU | CAMO-14-49680 |
| R-45 S2 | 974.9 | 11/06/13 | WG | pH | 8.15 | SU | CAMO-14-45753 |
| R-45 S2 | 974.9 | 05/09/13 | WG | pH | 7.94 | SU | CAMO-13-30581 |
| R-45 S2 | 974.9 | 11/05/14 | WG | Specific Conductance | 176 | µS/cm | CAMO-15-90219 |
| R-45 S2 | 974.9 | 05/07/14 | WG | Specific Conductance | 176 | µS/cm | CAMO-14-75503 |
| R-45 S2 | 974.9 | 01/14/14 | WG | Specific Conductance | 169 | µS/cm | CAMO-14-49680 |
| R-45 S2 | 974.9 | 11/06/13 | WG | Specific Conductance | 172 | µS/cm | CAMO-14-45753 |
| R-45 S2 | 974.9 | 05/09/13 | WG | Specific Conductance | 170 | µS/cm | CAMO-13-30581 |
| R-45 S2 | 974.9 | 11/05/14 | WG | Temperature | 21.02 | deg C | CAMO-15-90219 |
| R-45 S2 | 974.9 | 05/07/14 | WG | Temperature | 20.98 | deg C | CAMO-14-75503 |
| R-45 S2 | 974.9 | 01/14/14 | WG | Temperature | 17.87 | deg C | CAMO-14-49680 |
| R-45 S2 | 974.9 | 11/06/13 | WG | Temperature | 20.3 | deg C | CAMO-14-45753 |
| R-45 S2 | 974.9 | 05/09/13 | WG | Temperature | 20.99 | deg C | CAMO-13-30581 |
| R-45 S2 | 974.9 | 11/05/14 | WG | Turbidity | 0.29 | NTU | CAMO-15-90219 |
| R-45 S2 | 974.9 | 05/07/14 | WG | Turbidity | 0.3 | NTU | CAMO-14-75503 |
| R-45 S2 | 974.9 | 01/14/14 | WG | Turbidity | 0.34 | NTU | CAMO-14-49680 |
| R-45 S2 | 974.9 | 11/06/13 | WG | Turbidity | 0 | NTU | CAMO-14-45753 |
| R-45 S2 | 974.9 | 05/09/13 | WG | Turbidity | 0.34 | NTU | CAMO-13-30581 |
| R-50 S1 | 1077 | 11/14/14 | WG | Dissolved Oxygen | 6.45 | mg/L | CAMO-15-90220 |
| R-50 S1 | 1077 | 07/22/14 | WG | Dissolved Oxygen | 5.39 | mg/L | CAMO-14-84003 |
| R-50 S1 | 1077 | 05/20/14 | WG | Dissolved Oxygen | 5.6 | mg/L | CAMO-14-75504 |
| R-50 S1 | 1077 | 01/15/14 | WG | Dissolved Oxygen | 5.59 | mg/L | CAMO-14-49670 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-50 S1 | 1077 | 11/12/13 | WG | Dissolved Oxygen | 5.79 | mg/L | CAMO-14-45754 |
| R-50 S1 | 1077 | 11/14/14 | WG | Flow (in gpm) | 2.5 | gpm | CAMO-15-90220 |
| R-50 S1 | 1077 | 07/22/14 | WG | Flow (in gpm) | 2.6 | gpm | CAMO-14-84003 |
| R-50 S1 | 1077 | 05/20/14 | WG | Flow (in gpm) | 2.14 | gpm | CAMO-14-75504 |
| R-50 S1 | 1077 | 01/15/14 | WG | Flow (in gpm) | 2.6 | gpm | CAMO-14-49670 |
| R-50 S1 | 1077 | 11/18/11 | WG | Flow (in gpm) | 1.9 | gpm | CAMO-12-1505 |
| R-50 S1 | 1077 | 11/14/14 | WG | Oxidation-Reduction Potential | 193.2 | mV | CAMO-15-90220 |
| R-50 S1 | 1077 | 07/22/14 | WG | Oxidation-Reduction Potential | 126.6 | mV | CAMO-14-84003 |
| R-50 S1 | 1077 | 05/20/14 | WG | Oxidation-Reduction Potential | 17.2 | mV | CAMO-14-75504 |
| R-50 S1 | 1077 | 01/15/14 | WG | Oxidation-Reduction Potential | 152.4 | mV | CAMO-14-49670 |
| R-50 S1 | 1077 | 11/12/13 | WG | Oxidation-Reduction Potential | 119.7 | mV | CAMO-14-45754 |
| R-50 S1 | 1077 | 11/14/14 | WG | pH | 7.67 | SU | CAMO-15-90220 |
| R-50 S1 | 1077 | 07/22/14 | WG | pH | 7.77 | SU | CAMO-14-84003 |
| R-50 S1 | 1077 | 05/20/14 | WG | pH | 7.79 | SU | CAMO-14-75504 |
| R-50 S1 | 1077 | 01/15/14 | WG | pH | 7.81 | SU | CAMO-14-49670 |
| R-50 S1 | 1077 | 11/12/13 | WG | pH | 7.98 | SU | CAMO-14-45754 |
| R-50 S1 | 1077 | 11/14/14 | WG | Specific Conductance | 169 | µS/cm | CAMO-15-90220 |
| R-50 S1 | 1077 | 07/22/14 | WG | Specific Conductance | 200 | µS/cm | CAMO-14-84003 |
| R-50 S1 | 1077 | 05/20/14 | WG | Specific Conductance | 200 | µS/cm | CAMO-14-75504 |
| R-50 S1 | 1077 | 01/15/14 | WG | Specific Conductance | 192 | µS/cm | CAMO-14-49670 |
| R-50 S1 | 1077 | 11/12/13 | WG | Specific Conductance | 171 | µS/cm | CAMO-14-45754 |
| R-50 S1 | 1077 | 11/14/14 | WG | Temperature | 20.41 | deg C | CAMO-15-90220 |
| R-50 S1 | 1077 | 07/22/14 | WG | Temperature | 22.8 | deg C | CAMO-14-84003 |
| R-50 S1 | 1077 | 05/20/14 | WG | Temperature | 21.84 | deg C | CAMO-14-75504 |
| R-50 S1 | 1077 | 01/15/14 | WG | Temperature | 20.8 | deg C | CAMO-14-49670 |
| R-50 S1 | 1077 | 11/12/13 | WG | Temperature | 20.88 | deg C | CAMO-14-45754 |
| R-50 S1 | 1077 | 11/14/14 | WG | Turbidity | 0.2 | NTU | CAMO-15-90220 |
| R-50 S1 | 1077 | 07/22/14 | WG | Turbidity | 0.37 | NTU | CAMO-14-84003 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-50 S1 | 1077 | 05/20/14 | WG | Turbidity | 0.51 | NTU | CAMO-14-75504 |
| R-50 S1 | 1077 | 01/15/14 | WG | Turbidity | 0.45 | NTU | CAMO-14-49670 |
| R-50 S1 | 1077 | 11/12/13 | WG | Turbidity | 0.43 | NTU | CAMO-14-45754 |
| R-50 S2 | 1185 | 11/13/14 | WG | Dissolved Oxygen | 7.43 | mg/L | CAMO-15-90221 |
| R-50 S2 | 1185 | 07/24/14 | WG | Dissolved Oxygen | 7.4 | mg/L | CAMO-14-84004 |
| R-50 S2 | 1185 | 05/19/14 | WG | Dissolved Oxygen | 7.34 | mg/L | CAMO-14-75505 |
| R-50 S2 | 1185 | 01/15/14 | WG | Dissolved Oxygen | 7.63 | mg/L | CAMO-14-49671 |
| R-50 S2 | 1185 | 11/12/13 | WG | Dissolved Oxygen | 8.32 | mg/L | CAMO-14-45755 |
| R-50 S2 | 1185 | 11/13/14 | WG | Flow (in gpm) | 1.5 | gpm | CAMO-15-90221 |
| R-50 S2 | 1185 | 07/24/14 | WG | Flow (in gpm) | 1.7 | gpm | CAMO-14-84004 |
| R-50 S2 | 1185 | 05/19/14 | WG | Flow (in gpm) | 1.53 | gpm | CAMO-14-75505 |
| R-50 S2 | 1185 | 01/15/14 | WG | Flow (in gpm) | 1.7 | gpm | CAMO-14-49671 |
| R-50 S2 | 1185 | 11/28/11 | WG | Flow (in gpm) | 1.48 | gpm | CAMO-12-1809 |
| R-50 S2 | 1185 | 11/13/14 | WG | Oxidation-Reduction Potential | 147.7 | mV | CAMO-15-90221 |
| R-50 S2 | 1185 | 07/24/14 | WG | Oxidation-Reduction Potential | 42.6 | mV | CAMO-14-84004 |
| R-50 S2 | 1185 | 05/19/14 | WG | Oxidation-Reduction Potential | 44.8 | mV | CAMO-14-75505 |
| R-50 S2 | 1185 | 01/15/14 | WG | Oxidation-Reduction Potential | 140.9 | mV | CAMO-14-49671 |
| R-50 S2 | 1185 | 11/12/13 | WG | Oxidation-Reduction Potential | 119.4 | mV | CAMO-14-45755 |
| R-50 S2 | 1185 | 11/13/14 | WG | pH | 8.13 | SU | CAMO-15-90221 |
| R-50 S2 | 1185 | 07/24/14 | WG | pH | 8.03 | SU | CAMO-14-84004 |
| R-50 S2 | 1185 | 05/19/14 | WG | pH | 7.95 | SU | CAMO-14-75505 |
| R-50 S2 | 1185 | 01/15/14 | WG | pH | 8.1 | SU | CAMO-14-49671 |
| R-50 S2 | 1185 | 11/12/13 | WG | pH | 8.02 | SU | CAMO-14-45755 |
| R-50 S2 | 1185 | 11/13/14 | WG | Specific Conductance | 141 | µS/cm | CAMO-15-90221 |
| R-50 S2 | 1185 | 07/24/14 | WG | Specific Conductance | 135 | µS/cm | CAMO-14-84004 |
| R-50 S2 | 1185 | 05/19/14 | WG | Specific Conductance | 133 | µS/cm | CAMO-14-75505 |
| R-50 S2 | 1185 | 01/15/14 | WG | Specific Conductance | 133 | µS/cm | CAMO-14-49671 |
| R-50 S2 | 1185 | 11/12/13 | WG | Specific Conductance | 134 | µS/cm | CAMO-14-45755 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-50 S2 | 1185 | 11/13/14 | WG | Temperature | 19.57 | deg C | CAMO-15-90221 |
| R-50 S2 | 1185 | 07/24/14 | WG | Temperature | 22.01 | deg C | CAMO-14-84004 |
| R-50 S2 | 1185 | 05/19/14 | WG | Temperature | 22.58 | deg C | CAMO-14-75505 |
| R-50 S2 | 1185 | 01/15/14 | WG | Temperature | 17.7 | deg C | CAMO-14-49671 |
| R-50 S2 | 1185 | 11/12/13 | WG | Temperature | 20.19 | deg C | CAMO-14-45755 |
| R-50 S2 | 1185 | 11/13/14 | WG | Turbidity | 0.49 | NTU | CAMO-15-90221 |
| R-50 S2 | 1185 | 07/24/14 | WG | Turbidity | 0.36 | NTU | CAMO-14-84004 |
| R-50 S2 | 1185 | 05/19/14 | WG | Turbidity | 2.8 | NTU | CAMO-14-75505 |
| R-50 S2 | 1185 | 01/15/14 | WG | Turbidity | 0.29 | NTU | CAMO-14-49671 |
| R-50 S2 | 1185 | 11/12/13 | WG | Turbidity | 0.35 | NTU | CAMO-14-45755 |
| R-61 S1 | 1125 | 11/19/14 | WG | Dissolved Oxygen | 7.26 | mg/L | CAMO-15-90222 |
| R-61 S1 | 1125 | 07/23/14 | WG | Dissolved Oxygen | 6.97 | mg/L | CAMO-14-84005 |
| R-61 S1 | 1125 | 05/20/14 | WG | Dissolved Oxygen | 6.05 | mg/L | CAMO-14-75506 |
| R-61 S1 | 1125 | 11/15/13 | WG | Dissolved Oxygen | 5.9 | mg/L | CAMO-14-45756 |
| R-61 S1 | 1125 | 07/15/13 | WG | Dissolved Oxygen | 4.88 | mg/L | CAMO-13-36977 |
| R-61 S1 | 1125 | 11/19/14 | WG | Flow (in gpm) | 2.04 | gpm | CAMO-15-90222 |
| R-61 S1 | 1125 | 07/23/14 | WG | Flow (in gpm) | 2.1 | gpm | CAMO-14-84005 |
| R-61 S1 | 1125 | 05/20/14 | WG | Flow (in gpm) | 2.13 | gpm | CAMO-14-75506 |
| R-61 S1 | 1125 | 02/07/12 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-2236 |
| R-61 S1 | 1125 | 02/07/12 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-2238 |
| R-61 S1 | 1125 | 02/07/12 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-2229 |
| R-61 S1 | 1125 | 02/07/12 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-2243 |
| R-61 S1 | 1125 | 02/07/12 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-2245 |
| R-61 S1 | 1125 | 02/07/12 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-2239 |
| R-61 S1 | 1125 | 02/07/12 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-2241 |
| R-61 S1 | 1125 | 02/07/12 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-2248 |
| R-61 S1 | 1125 | 11/21/11 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-1429 |
| R-61 S1 | 1125 | 11/21/11 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-1511 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-61 S1 | 1125 | 11/21/11 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-1431 |
| R-61 S1 | 1125 | 11/21/11 | WG | Flow (in gpm) | 2 | gpm | CAMO-12-1433 |
| R-61 S1 | 1125 | 11/19/14 | WG | Oxidation-Reduction Potential | 170.2 | mV | CAMO-15-90222 |
| R-61 S1 | 1125 | 07/23/14 | WG | Oxidation-Reduction Potential | 134.5 | mV | CAMO-14-84005 |
| R-61 S1 | 1125 | 05/20/14 | WG | Oxidation-Reduction Potential | 194.1 | mV | CAMO-14-75506 |
| R-61 S1 | 1125 | 11/15/13 | WG | Oxidation-Reduction Potential | 110.5 | mV | CAMO-14-45756 |
| R-61 S1 | 1125 | 07/15/13 | WG | Oxidation-Reduction Potential | 64.6 | mV | CAMO-13-36977 |
| R-61 S1 | 1125 | 11/19/14 | WG | pH | 6.89 | SU | CAMO-15-90222 |
| R-61 S1 | 1125 | 07/23/14 | WG | pH | 6.9 | SU | CAMO-14-84005 |
| R-61 S1 | 1125 | 05/20/14 | WG | pH | 6.92 | SU | CAMO-14-75506 |
| R-61 S1 | 1125 | 11/15/13 | WG | pH | 6.84 | SU | CAMO-14-45756 |
| R-61 S1 | 1125 | 07/15/13 | WG | pH | 6.75 | SU | CAMO-13-36977 |
| R-61 S1 | 1125 | 11/19/14 | WG | Specific Conductance | 145 | µS/cm | CAMO-15-90222 |
| R-61 S1 | 1125 | 07/23/14 | WG | Specific Conductance | 148 | µS/cm | CAMO-14-84005 |
| R-61 S1 | 1125 | 05/20/14 | WG | Specific Conductance | 143 | µS/cm | CAMO-14-75506 |
| R-61 S1 | 1125 | 11/15/13 | WG | Specific Conductance | 148 | µS/cm | CAMO-14-45756 |
| R-61 S1 | 1125 | 07/15/13 | WG | Specific Conductance | 148 | µS/cm | CAMO-13-36977 |
| R-61 S1 | 1125 | 11/19/14 | WG | Temperature | 19.98 | deg C | CAMO-15-90222 |
| R-61 S1 | 1125 | 07/23/14 | WG | Temperature | 22.01 | deg C | CAMO-14-84005 |
| R-61 S1 | 1125 | 05/20/14 | WG | Temperature | 21.26 | deg C | CAMO-14-75506 |
| R-61 S1 | 1125 | 11/15/13 | WG | Temperature | 19.66 | deg C | CAMO-14-45756 |
| R-61 S1 | 1125 | 07/15/13 | WG | Temperature | 20.29 | deg C | CAMO-13-36977 |
| R-61 S1 | 1125 | 11/19/14 | WG | Turbidity | 0.3 | NTU | CAMO-15-90222 |
| R-61 S1 | 1125 | 07/23/14 | WG | Turbidity | 1.43 | NTU | CAMO-14-84005 |
| R-61 S1 | 1125 | 05/20/14 | WG | Turbidity | 0.6 | NTU | CAMO-14-75506 |
| R-61 S1 | 1125 | 11/15/13 | WG | Turbidity | 1.4 | NTU | CAMO-14-45756 |
| R-61 S1 | 1125 | 07/15/13 | WG | Turbidity | 1.6 | NTU | CAMO-13-36977 |
| R-62 | 1158.4 | 11/17/14 | WG | Dissolved Oxygen | 6.41 | mg/L | CAMO-15-90223 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-62 | 1158.4 | 06/26/14 | WG | Dissolved Oxygen | 7.01 | mg/L | CAMO-14-83983 |
| R-62 | 1158.4 | 11/12/13 | WG | Dissolved Oxygen | 5.38 | mg/L | CAMO-14-45758 |
| R-62 | 1158.4 | 07/19/13 | WG | Dissolved Oxygen | 5.31 | mg/L | CAMO-13-36979 |
| R-62 | 1158.4 | 05/08/13 | WG | Dissolved Oxygen | 5.03 | mg/L | CAMO-13-30602 |
| R-62 | 1158.4 | 11/17/14 | WG | Flow (in gpm) | 1.1 | gpm | CAMO-15-90223 |
| R-62 | 1158.4 | 06/26/14 | WG | Flow (in gpm) | 1.41 | gpm | CAMO-14-83983 |
| R-62 | 1158.4 | 11/17/14 | WG | Oxidation-Reduction Potential | 65.1 | mV | CAMO-15-90223 |
| R-62 | 1158.4 | 06/26/14 | WG | Oxidation-Reduction Potential | 88.5 | mV | CAMO-14-83983 |
| R-62 | 1158.4 | 11/12/13 | WG | Oxidation-Reduction Potential | 79.7 | mV | CAMO-14-45758 |
| R-62 | 1158.4 | 07/19/13 | WG | Oxidation-Reduction Potential | 126.4 | mV | CAMO-13-36979 |
| R-62 | 1158.4 | 05/08/13 | WG | Oxidation-Reduction Potential | 192.2 | mV | CAMO-13-30602 |
| R-62 | 1158.4 | 11/17/14 | WG | pH | 8.49 | SU | CAMO-15-90223 |
| R-62 | 1158.4 | 06/26/14 | WG | pH | 7.68 | SU | CAMO-14-83983 |
| R-62 | 1158.4 | 11/12/13 | WG | pH | 8.5 | SU | CAMO-14-45758 |
| R-62 | 1158.4 | 07/19/13 | WG | pH | 8.59 | SU | CAMO-13-36979 |
| R-62 | 1158.4 | 05/08/13 | WG | pH | 8.52 | SU | CAMO-13-30602 |
| R-62 | 1158.4 | 11/17/14 | WG | Specific Conductance | 205 | µS/cm | CAMO-15-90223 |
| R-62 | 1158.4 | 06/26/14 | WG | Specific Conductance | 215 | µS/cm | CAMO-14-83983 |
| R-62 | 1158.4 | 11/12/13 | WG | Specific Conductance | 193 | µS/cm | CAMO-14-45758 |
| R-62 | 1158.4 | 07/19/13 | WG | Specific Conductance | 187 | µS/cm | CAMO-13-36979 |
| R-62 | 1158.4 | 05/08/13 | WG | Specific Conductance | 178 | µS/cm | CAMO-13-30602 |
| R-62 | 1158.4 | 11/17/14 | WG | Temperature | 19.55 | deg C | CAMO-15-90223 |
| R-62 | 1158.4 | 06/26/14 | WG | Temperature | 22.23 | deg C | CAMO-14-83983 |
| R-62 | 1158.4 | 11/12/13 | WG | Temperature | 19.03 | deg C | CAMO-14-45758 |
| R-62 | 1158.4 | 07/19/13 | WG | Temperature | 20.5 | deg C | CAMO-13-36979 |
| R-62 | 1158.4 | 05/08/13 | WG | Temperature | 19.67 | deg C | CAMO-13-30602 |
| R-62 | 1158.4 | 11/17/14 | WG | Turbidity | 1.8 | NTU | CAMO-15-90223 |
| R-62 | 1158.4 | 06/26/14 | WG | Turbidity | 28.2 | NTU | CAMO-14-83983 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| R-62 | 1158.4 | 11/12/13 | WG | Turbidity | 1.07 | NTU | CAMO-14-45758 |
| R-62 | 1158.4 | 07/19/13 | WG | Turbidity | 3 | NTU | CAMO-13-36979 |
| R-62 | 1158.4 | 05/08/13 | WG | Turbidity | 4.5 | NTU | CAMO-13-30602 |
| SCI-1 | 358.4 | 11/12/14 | WG | Dissolved Oxygen | 9.35 | mg/L | CASA-15-90255 |
| SCI-1 | 358.4 | 05/08/14 | WG | Dissolved Oxygen | 9.86 | mg/L | CASA-14-75530 |
| SCI-1 | 358.4 | 11/19/13 | WG | Dissolved Oxygen | 11.57 | mg/L | CASA-14-45718 |
| SCI-1 | 358.4 | 05/17/13 | WG | Dissolved Oxygen | 8.69 | mg/L | CASA-13-30548 |
| SCI-1 | 358.4 | 11/02/12 | WG | Dissolved Oxygen | 8.96 | mg/L | CASA-13-24215 |
| SCI-1 | 358.4 | 11/12/14 | WG | Flow (in gpm) | 0.45 | gpm | CASA-15-90255 |
| SCI-1 | 358.4 | 11/16/11 | WG | Flow (in gpm) | 0.5 | gpm | CASA-12-1373 |
| SCI-1 | 358.4 | 08/16/11 | WG | Flow (in gpm) | 0.4 | gpm | CASA-11-24834 |
| SCI-1 | 358.4 | 08/16/11 | WG | Flow (in gpm) | 0.4 | gpm | CASA-11-24764 |
| SCI-1 | 358.4 | 08/16/11 | WG | Flow (in gpm) | 0.5 | gpm | CASA-11-24841 |
| SCI-1 | 358.4 | 08/16/11 | WG | Flow (in gpm) | 0.5 | gpm | CASA-11-24843 |
| SCI-1 | 358.4 | 05/24/11 | WG | Flow (in gpm) | 0.4 | gpm | CASA-11-10805 |
| SCI-1 | 358.4 | 05/24/11 | WG | Flow (in gpm) | 0.4 | gpm | CASA-11-11651 |
| SCI-1 | 358.4 | 02/18/11 | WG | Flow (in gpm) | 0.4 | gpm | CASA-11-4553 |
| SCI-1 | 358.4 | 11/12/14 | WG | Oxidation-Reduction Potential | 99.9 | mV | CASA-15-90255 |
| SCI-1 | 358.4 | 05/08/14 | WG | Oxidation-Reduction Potential | 28.9 | mV | CASA-14-75530 |
| SCI-1 | 358.4 | 11/19/13 | WG | Oxidation-Reduction Potential | 99.4 | mV | CASA-14-45718 |
| SCI-1 | 358.4 | 05/17/13 | WG | Oxidation-Reduction Potential | 67.4 | mV | CASA-13-30548 |
| SCI-1 | 358.4 | 11/02/12 | WG | Oxidation-Reduction Potential | 165.3 | mV | CASA-13-24215 |
| SCI-1 | 358.4 | 11/12/14 | WG | pH | 7.17 | SU | CASA-15-90255 |
| SCI-1 | 358.4 | 05/08/14 | WG | pH | 7.25 | SU | CASA-14-75530 |
| SCI-1 | 358.4 | 11/19/13 | WG | pH | 7.24 | SU | CASA-14-45718 |
| SCI-1 | 358.4 | 05/17/13 | WG | pH | 7.09 | SU | CASA-13-30548 |
| SCI-1 | 358.4 | 11/02/12 | WG | pH | 7.09 | SU | CASA-13-24215 |
| SCI-1 | 358.4 | 11/12/14 | WG | Specific Conductance | 724 | µS/cm | CASA-15-90255 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| SCI-1 | 358.4 | 05/08/14 | WG | Specific Conductance | 712 | µS/cm | CASA-14-75530 |
| SCI-1 | 358.4 | 11/19/13 | WG | Specific Conductance | 705 | µS/cm | CASA-14-45718 |
| SCI-1 | 358.4 | 05/17/13 | WG | Specific Conductance | 719 | µS/cm | CASA-13-30548 |
| SCI-1 | 358.4 | 11/02/12 | WG | Specific Conductance | 695 | µS/cm | CASA-13-24215 |
| SCI-1 | 358.4 | 11/12/14 | WG | Temperature | 9.6 | deg C | CASA-15-90255 |
| SCI-1 | 358.4 | 05/08/14 | WG | Temperature | 9.77 | deg C | CASA-14-75530 |
| SCI-1 | 358.4 | 11/19/13 | WG | Temperature | 10.81 | deg C | CASA-14-45718 |
| SCI-1 | 358.4 | 05/17/13 | WG | Temperature | 11.4 | deg C | CASA-13-30548 |
| SCI-1 | 358.4 | 11/02/12 | WG | Temperature | 10.28 | deg C | CASA-13-24215 |
| SCI-1 | 358.4 | 11/12/14 | WG | Turbidity | 5.6 | NTU | CASA-15-90255 |
| SCI-1 | 358.4 | 05/08/14 | WG | Turbidity | 2.1 | NTU | CASA-14-75530 |
| SCI-1 | 358.4 | 11/19/13 | WG | Turbidity | 1.6 | NTU | CASA-14-45718 |
| SCI-1 | 358.4 | 05/17/13 | WG | Turbidity | 0.7 | NTU | CASA-13-30548 |
| SCI-1 | 358.4 | 11/02/12 | WG | Turbidity | 3.47 | NTU | CASA-13-24215 |
| SCI-2 | 548 | 11/12/14 | WG | Dissolved Oxygen | 8.2 | mg/L | CASA-15-90256 |
| SCI-2 | 548 | 07/30/14 | WG | Dissolved Oxygen | 9.24 | mg/L | CASA-14-81521 |
| SCI-2 | 548 | 05/14/14 | WG | Dissolved Oxygen | 8.99 | mg/L | CASA-14-75531 |
| SCI-2 | 548 | 01/13/14 | WG | Dissolved Oxygen | 9.66 | mg/L | CASA-14-49692 |
| SCI-2 | 548 | 07/23/13 | WG | Dissolved Oxygen | 8.26 | mg/L | CASA-13-36991 |
| SCI-2 | 548 | 11/12/14 | WG | Flow (in gpm) | 0.8 | gpm | CASA-15-90256 |
| SCI-2 | 548 | 07/30/14 | WG | Flow (in gpm) | 1 | gpm | CASA-14-81521 |
| SCI-2 | 548 | 05/14/14 | WG | Flow (in gpm) | 0.66 | gpm | CASA-14-75531 |
| SCI-2 | 548 | 01/13/14 | WG | Flow (in gpm) | 0.7 | gpm | CASA-14-49692 |
| SCI-2 | 548 | 08/11/11 | WG | Flow (in gpm) | 0.4 | gpm | CASA-11-24765 |
| SCI-2 | 548 | 11/12/14 | WG | Oxidation-Reduction Potential | 233.5 | mV | CASA-15-90256 |
| SCI-2 | 548 | 07/30/14 | WG | Oxidation-Reduction Potential | 66.4 | mV | CASA-14-81521 |
| SCI-2 | 548 | 05/14/14 | WG | Oxidation-Reduction Potential | 87.7 | mV | CASA-14-75531 |
| SCI-2 | 548 | 01/13/14 | WG | Oxidation-Reduction Potential | 155.7 | mV | CASA-14-49692 |

| Location | Depth (ft) | Date | Field Matrix | Analyte | Result | Unit | Sample |
|---|---|---|---|---|---|---|---|
| SCI-2 | 548 | 07/23/13 | WG | Oxidation-Reduction Potential | 180.2 | mV | CASA-13-36991 |
| SCI-2 | 548 | 11/12/14 | WG | pH | 7.38 | SU | CASA-15-90256 |
| SCI-2 | 548 | 07/30/14 | WG | pH | 7.38 | SU | CASA-14-81521 |
| SCI-2 | 548 | 05/14/14 | WG | pH | 7.35 | SU | CASA-14-75531 |
| SCI-2 | 548 | 01/13/14 | WG | pH | 7.45 | SU | CASA-14-49692 |
| SCI-2 | 548 | 07/23/13 | WG | pH | 7.39 | SU | CASA-13-36991 |
| SCI-2 | 548 | 11/12/14 | WG | Specific Conductance | 615 | µS/cm | CASA-15-90256 |
| SCI-2 | 548 | 07/30/14 | WG | Specific Conductance | 620 | µS/cm | CASA-14-81521 |
| SCI-2 | 548 | 05/14/14 | WG | Specific Conductance | 633 | µS/cm | CASA-14-75531 |
| SCI-2 | 548 | 01/13/14 | WG | Specific Conductance | 617 | µS/cm | CASA-14-49692 |
| SCI-2 | 548 | 07/23/13 | WG | Specific Conductance | 608 | µS/cm | CASA-13-36991 |
| SCI-2 | 548 | 11/12/14 | WG | Temperature | 14.03 | deg C | CASA-15-90256 |
| SCI-2 | 548 | 07/30/14 | WG | Temperature | 15.18 | deg C | CASA-14-81521 |
| SCI-2 | 548 | 05/14/14 | WG | Temperature | 14.65 | deg C | CASA-14-75531 |
| SCI-2 | 548 | 01/13/14 | WG | Temperature | 13.87 | deg C | CASA-14-49692 |
| SCI-2 | 548 | 07/23/13 | WG | Temperature | 16.05 | deg C | CASA-13-36991 |
| SCI-2 | 548 | 11/12/14 | WG | Turbidity | 2.2 | NTU | CASA-15-90256 |
| SCI-2 | 548 | 07/30/14 | WG | Turbidity | 7.6 | NTU | CASA-14-81521 |
| SCI-2 | 548 | 05/14/14 | WG | Turbidity | 15.7 | NTU | CASA-14-75531 |
| SCI-2 | 548 | 01/13/14 | WG | Turbidity | 1.7 | NTU | CASA-14-49692 |
| SCI-2 | 548 | 07/23/13 | WG | Turbidity | 0.2 | NTU | CASA-13-36991 |

[a] WG = Groundwater.

[b] gpm = Gallons per minute.

[c] SU = Standard unit.

[d] 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 |

Note: A combination of analytical laboratory qualifier codes means that several codes apply.

**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. |
| Q | One or more quality control criteria have not been met. Refer to the applicable narrative or data exception report. |
| U | The material was analyzed for but was not detected above the level of the associated numeric value. |
| U* | See U code and see * code. |
| UD | See U code and see D code. |
| UE | See U code and see E code. |
| UE* | See U code, see E code, and see * code. |
| UEN | See U code, see E code, and see N code. |
| UH | See U code and see H code. |

## Analytical Laboratory Qualifier Codes (continued)

| Code | Description |
|---|---|
| UH* | (U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. * (Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria. |
| UI | (Rad) Gamma spectroscopy result should be regarded as an uncertain identification. |
| UN | EPA flag (Inorganic)—Compound was analyzed for but was not detected. Spiked sample recovery was not within control limits. |
| UN* | EPA flag (Inorganic)—See U code, see N code, and see * code. |
| UUI | (Rad) Gamma spectroscopy result should be regarded as an uncertain identification, and the analytical lab assigned these gamma spectroscopy results as not detected. |
| X | The analytical laboratory suspects the result is a nondetect despite positive quantification results. |

## Secondary Validation Flag Codes

| Code | Description |
|---|---|
| A | The contractually required supporting documentation for this datum is absent. |
| I | The calculated sums are considered incomplete because of the lack of one or more congener results. |
| J | The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual. |
| J- | The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential negative bias. |
| J+ | The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential positive bias. |
| JN- | Presumptive evidence of the presence of the material is at an estimated quantity with a suspected negative bias. |
| JN+ | Presumptive evidence of the presence of the material is at an estimated quantity with a suspected positive bias. |
| N | There is presumptive evidence of the presence of the material. |
| NJ | (Organic) Analyte has been tentatively identified, and the associated numerical value is estimated based upon a 1:1 response factor to the nearest eluting internal standard. |
| NQ | No validation qualifier flag is associated with this result, and the analyte is classified as detected. |
| PM | Manual review of raw data is recommended to determine if the observed noncompliances with quality acceptance criteria adversely impact data use. |
| R | The reported sample result is classified as rejected because of serious noncompliances regarding quality control (QC) acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone. |
| U | The analyte is classified as not detected. |
| UJ | The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual. |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.4 | — | — | — | % | Y | — | NQ | 2014-4426 | CAMO-14-84007 | UIL |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.44 | — | — | — | % | Y | — | NQ | 2014-4426 | CAMO-14-83995 | UIL |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.42 | — | — | — | % | Y | — | NQ | 2014-4427 | CAMO-14-75510 | UIL |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.41 | — | — | — | % | Y | — | NQ | 2014-4427 | CAMO-14-75486 | UIL |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.45 | — | — | — | % | Y | — | NQ | 2014-2811 | CAMO-14-49674 | UIL |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.46 | — | — | — | % | Y | — | NQ | 2014-2771 | CAMO-14-45760 | UIL |
| MCOI-6 | 686 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.43 | — | — | — | % | Y | — | NQ | 2013-383 | CAMO-13-24364 | UIL |
| MCOI-6 | 686 | 08/19/09 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.21 | — | — | — | % | Y | — | NQ | 09-3060 | CAMO-09-9535 | UIL |
| R-35b | 825.4 | 07/18/14 | WG | F | RE | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 160 | — | — | 3.4 | mg/L | Y | H | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 220 | — | — | 3.4 | mg/L | N | — | R | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 157 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 143 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 137 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 05/10/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 137 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-831 | CASA-13-30552 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.94 | — | — | — | % | Y | — | NQ | 2014-4428 | CASA-14-81525 | UIL |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.91 | — | — | — | % | Y | — | NQ | 2014-4428 | CASA-14-81515 | UIL |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.98 | — | — | — | % | Y | — | NQ | 2014-4430 | CASA-14-75536 | UIL |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.98 | — | — | — | % | Y | — | NQ | 2014-2809 | CASA-14-49686 | UIL |
| R-43 S1 | 903.9 | 11/07/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.25 | — | — | — | % | Y | — | NQ | 2013-290 | CASA-13-24373 | UIL |
| 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 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.52 | — | — | — | % | Y | — | NQ | 2014-4430 | CASA-14-75537 | UIL |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.57 | — | — | — | % | Y | — | NQ | 2014-2809 | CASA-14-49697 | UIL |
| R-43 S2 | 969.1 | 11/07/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.67 | — | — | — | % | Y | — | NQ | 2013-290 | CASA-13-24374 | 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-45 S1 | 880 | 08/27/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.04 | — | — | — | % | Y | — | NQ | 2014-4426 | CAMO-14-84012 | UIL |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.12 | — | — | — | % | Y | — | NQ | 2014-4427 | CAMO-14-75517 | UIL |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.11 | — | — | — | % | Y | — | NQ | 2013-383 | CAMO-13-24366 | UIL |
| R-45 S1 | 880 | 11/19/10 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.17 | — | — | — | % | Y | — | NQ | 11-745 | CAMO-11-1280 | UIL |
| R-45 S1 | 880 | 01/27/10 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.26 | — | — | — | % | Y | — | NQ | 10-3591 | CAMO-10-9734 | UIL |
| R-45 S1 | 880 | 11/16/09 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.31 | — | — | — | % | Y | — | NQ | 10-1025 | CAMO-10-4769 | UIL |
| R-45 S2 | 974.9 | 08/27/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.27 | — | — | — | % | Y | — | NQ | 2014-4426 | CAMO-14-84013 | UIL |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.24 | — | — | — | % | Y | — | NQ | 2014-4427 | CAMO-14-75518 | UIL |
| R-45 S2 | 974.9 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.28 | — | — | — | % | Y | — | NQ | 2013-383 | CAMO-13-24367 | UIL |
| R-45 S2 | 974.9 | 11/19/10 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.35 | — | — | — | % | Y | — | NQ | 11-745 | CAMO-11-1281 | UIL |
| R-45 S2 | 974.9 | 01/27/10 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.49 | — | — | — | % | Y | — | NQ | 10-3591 | CAMO-10-9735 | UIL |
| R-45 S2 | 974.9 | 11/16/09 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.58 | — | — | — | % | Y | — | NQ | 10-1025 | CAMO-10-4771 | UIL |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.03 | — | — | — | % | Y | — | NQ | 2014-4426 | CAMO-14-84014 | UIL |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.98 | — | — | — | % | Y | — | NQ | 2014-4427 | CAMO-14-75519 | UIL |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.98 | — | — | — | % | Y | — | NQ | 2014-2811 | CAMO-14-49681 | UIL |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.95 | — | — | — | % | Y | — | NQ | 2014-2811 | CAMO-14-49662 | UIL |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.97 | — | — | — | % | Y | — | NQ | 2014-2771 | CAMO-14-45770 | UIL |
| R-50 S1 | 1077 | 11/09/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.04 | — | — | — | % | Y | — | NQ | 2013-383 | CAMO-13-24368 | UIL |
| R-50 S1 | 1077 | 11/16/10 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.24 | — | — | — | % | Y | — | NQ | 11-745 | CAMO-11-1313 | UIL |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.06 | — | — | — | % | Y | — | NQ | 2014-4426 | CAMO-14-84015 | UIL |

**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-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.03 | — | — | — | % | Y | — | NQ | 2014-4427 | CAMO-14-75520 | UIL |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.13 | — | — | — | % | Y | — | NQ | 2014-2771 | CAMO-14-45771 | UIL |
| R-50 S2 | 1185 | 11/09/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.12 | — | — | — | % | Y | — | NQ | 2013-383 | CAMO-13-24369 | UIL |
| R-50 S2 | 1185 | 11/16/10 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.01 | — | — | — | % | Y | — | NQ | 11-745 | CAMO-11-1315 | UIL |
| R-50 S2 | 1185 | 05/27/10 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.88 | — | — | — | % | Y | — | NQ | 10-3593 | CAMO-10-18980 | UIL |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.02 | — | — | — | % | Y | — | NQ | 2014-4426 | CAMO-14-84016 | UIL |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.22 | — | — | — | % | Y | — | NQ | 2014-4427 | CAMO-14-75521 | UIL |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.2 | — | — | — | % | Y | — | NQ | 2014-4427 | CAMO-14-75487 | UIL |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.72 | — | — | — | % | Y | — | NQ | 2014-2811 | CAMO-14-49683 | UIL |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.46 | — | — | — | % | Y | — | NQ | 2014-2771 | CAMO-14-45729 | UIL |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.45 | — | — | — | % | Y | — | NQ | 2014-2771 | CAMO-14-45772 | UIL |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.95 | — | — | — | % | Y | — | NQ | 2014-4431 | CAMO-14-83984 | UIL |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.95 | — | — | — | % | Y | — | NQ | 2014-2771 | CAMO-14-45727 | UIL |
| R-62 | 1158.4 | 11/08/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 1.01 | — | — | — | % | Y | — | NQ | 2013-383 | CAMO-13-24370 | 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 |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.28 | — | — | — | % | Y | — | NQ | 2014-2772 | CASA-14-45718 | UIL |
| SCI-1 | 358.4 | 05/06/09 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.43 | — | — | — | % | Y | — | NQ | 09-1858 | CASA-09-8267 | UIL |
| SCI-1 | 358.4 | 11/13/08 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.32 | — | — | — | % | Y | — | NQ | 09-323 | CASA-09-872 | UIL |
| SCI-1 | 358.4 | 08/19/08 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.37 | — | — | 0.1 | % | Y | — | NQ | 08-1742 | CASA-08-14367 | UIL |
| SCI-1 | 358.4 | 05/21/08 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.281 | — | — | 0.1 | % | Y | — | NQ | 08-1268 | CASA-08-12860 | UIL |
| SCI-1 | 358.4 | 05/21/08 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.234 | — | — | 0.1 | % | Y | — | NQ | 08-1270 | CASA-08-16502 | UIL |
| SCI-1 | 358.4 | 05/21/08 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium-53/52 | Cr-53/52 | Y | 0.205 | — | — | 0.1 | % | Y | — | NQ | 08-1269 | CASA-08-16501 | UIL |
| SCI-2 | 548 | 07/30/14 | WG | F | RE | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 433 | — | — | 3.4 | mg/L | Y | H | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 516 | — | — | 3.4 | mg/L | N | — | R | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 433 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 424 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 401 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 05/21/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 421 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-874 | CASA-13-30557 | 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 | 11/18/14 | 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 | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.8 | — | — | 0.01 | SU | Y | H | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.47 | — | — | 0.01 | SU | Y | H | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.56 | — | — | 0.01 | SU | Y | H | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.59 | — | — | 0.01 | SU | Y | H | NQ | 2013-813 | CAMO-13-30563 | GELC |
| 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 | 11/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 55.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 51.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 56.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 52.8 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 54.3 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00644 | 0.0091 | 0.07 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | Y | 0.0778 | 0.0249 | 0.07 | — | pCi/L | Y | — | J | 2014-2433 | CAMO-14-45743 | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 10-3605 | CAMO-10-22836 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0236 | — | — | 0.017 | mg/L | Y | J | J | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.05 | — | — | 0.017 | mg/L | Y | U | U | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0214 | — | — | 0.017 | mg/L | Y | J | J | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0804 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.05 | — | — | 0.017 | mg/L | Y | U | U | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.05 | — | — | 0.017 | mg/L | Y | U | U | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 16.3 | — | — | 1 | µg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 16.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 21.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 17 | — | — | 1 | µg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 16.2 | — | — | 1 | µg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 16.1 | — | — | 1 | µg/L | Y | — | NQ | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 20.4 | — | — | 15 | µg/L | Y | J | J | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 21.7 | — | — | 15 | µg/L | Y | J | J | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 15.2 | — | — | 15 | µg/L | Y | J | J | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 20 | — | — | 15 | µg/L | Y | J | J | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Boron | B | Y | 17.5 | — | — | 15 | µg/L | Y | J | J | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 20.8 | — | — | 15 | µg/L | Y | J | J | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.134 | — | — | 0.067 | mg/L | Y | J | J | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.156 | — | — | 0.067 | mg/L | Y | J | J | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.142 | — | — | 0.067 | mg/L | Y | J | J | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.116 | — | — | 0.067 | mg/L | Y | J | J | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.113 | — | — | 0.067 | mg/L | Y | J | J | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 20.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 20.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 22.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 20.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 20.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 0.92 | 1.25 | 4.99 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -1.52 | 0.967 | 3.24 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 11/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 8.48 | — | — | 0.134 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 9.13 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 9.95 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | 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 | 05/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 8.22 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 8.24 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.39 | — | — | 2 | µg/L | Y | J | J | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 6.51 | — | — | 2 | µg/L | Y | J | J | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 6.14 | — | — | 2 | µg/L | Y | J | J | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 8.06 | — | — | 2 | µg/L | Y | J | J | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 7.67 | — | — | 2 | µg/L | Y | J | J | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.32 | — | — | 2 | µg/L | Y | J | J | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.934 | 1.14 | 4.23 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.809 | 1.03 | 4.03 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | GELC |
| 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 | 11/18/14 | WG | UF | INIT | REG | SVOC | SW-846:8270D | Dioxane[1,4-] | 123-91-1 | Y | 10 | — | — | 3.16 | µg/L | Y | J | J | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | UF | INIT | REG | SVOC | SW-846:8270D | Dioxane[1,4-] | 123-91-1 | Y | 8.55 | — | — | 3 | µg/L | Y | J | J | 2014-3383 | CAMO-14-75494 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | SVOC | SW-846:8270C | Dioxane[1,4-] | 123-91-1 | Y | 7.16 | — | — | 3.16 | µg/L | Y | J | J | 2014-2433 | CAMO-14-45743 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | UF | INIT | REG | SVOC | SW-846:8270C | Dioxane[1,4-] | 123-91-1 | Y | 5.08 | — | — | 3.16 | µg/L | Y | J | J | 2013-813 | CAMO-13-30572 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | UF | INIT | FD | SVOC | SW-846:8270C | Dioxane[1,4-] | 123-91-1 | Y | 5.61 | — | — | 3.23 | µg/L | Y | J | J | 2013-813 | CAMO-13-30561 | 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 | µg/L | Y | J | J | 2013-246 | CAMO-13-24238 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.22 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.187 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.212 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.199 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.196 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -1.2 | 0.503 | 2.71 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.883 | 0.84 | 2.92 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 11/18/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | -0.369 | 0.583 | 2.16 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 0.857 | 0.668 | 2.26 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 67.8 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 66.8 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 72.3 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 67.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 65.5 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.96 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.91 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.06 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.88 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.73 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.53 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.2 | — | — | 0.165 | µg/L | Y | — | J | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | N | 1.31 | — | — | 0.165 | µg/L | Y | — | U | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.56 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.59 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.79 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -3.24 | 2.67 | 9.16 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | 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 | 11/08/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 3.4 | 2.25 | 8.21 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.24 | — | — | 0.5 | µg/L | Y | J | J | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.01 | — | — | 0.5 | µg/L | Y | J | J | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.49 | — | — | 0.5 | µg/L | Y | J | J | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.993 | — | — | 0.5 | µg/L | Y | J | J | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.78 | — | — | 0.5 | µg/L | Y | J | J | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 4.82 | — | — | 0.17 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 4.93 | — | — | 0.425 | mg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.49 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 4.35 | — | — | 0.17 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 4.17 | — | — | 0.17 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.99789 | — | — | — | permil | Y | — | NQ | 2015-368 | CAMO-15-90224 | EES6 |
| MCOI-5 | 689.04 | 07/07/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.56852 | — | — | — | permil | N | — | NQ | 10-3602 | CAMO-10-22834 | EES6 |
| MCOI-5 | 689.04 | 01/25/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.23 | — | — | — | permil | N | — | NQ | 10-1412 | CAMO-10-9316 | EES6 |
| MCOI-5 | 689.04 | 08/06/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | N | 4.1 | — | — | 0.001 | permil | N | U | U | 09-2809 | CAMO-09-9531 | EES6 |
| MCOI-5 | 689.04 | 08/18/08 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.41 | — | — | — | permil | N | — | NQ | 08-1708 | CAMO-08-14499 | EES6 |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 15.3266 | — | — | — | permil | Y | — | NQ | 2015-368 | CAMO-15-90224 | EES6 |
| MCOI-5 | 689.04 | 07/07/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 14.1962 | — | — | — | permil | N | — | NQ | 10-3602 | CAMO-10-22834 | EES6 |
| MCOI-5 | 689.04 | 01/25/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 15.6 | — | — | — | permil | N | — | NQ | 10-1412 | CAMO-10-9316 | EES6 |
| MCOI-5 | 689.04 | 08/06/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 14.77 | — | — | — | permil | N | — | NQ | 09-2809 | CAMO-09-9531 | EES6 |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 86.1 | — | — | 5 | µg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 86 | — | — | 5 | µg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 84.3 | — | — | 5 | µg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 79.1 | — | — | 5 | µg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 81.7 | — | — | 5 | µg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 75 | — | — | 5 | µg/L | Y | — | NQ | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.0104 | 0.0104 | 0.05 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.0151 | 0.0113 | 0.06 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 0.02 | — | 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 | 0.03 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 10-3605 | CAMO-10-22836 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00348 | 0.00602 | 0.07 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.0303 | 0.0175 | 0.09 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 10-3605 | CAMO-10-22836 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 0.543 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 0.504 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 0.467 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 0.94 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Potassium | K | Y | 0.576 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 2.43 | 19.9 | 51.5 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 3.82 | 19.9 | 34.4 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 64.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 67.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 68.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | 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 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 66.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 64.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 12.7 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 13.8 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 13.2 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 14.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Sodium | Na | Y | 13.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -2.08 | 1.31 | 4.06 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 0.552 | 1.22 | 4.05 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 11/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 192 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 198 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 210 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 205 | — | — | 1 | µS/cm | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 202 | — | — | 1 | µS/cm | Y | — | NQ | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 195 | — | — | 1 | µS/cm | Y | — | NQ | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 93.7 | — | — | 1 | µg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 92.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 103 | — | — | 1 | µg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 94.4 | — | — | 1 | µg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 96.7 | — | — | 1 | µg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 93.8 | — | — | 1 | µg/L | Y | — | NQ | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 96.7 | — | — | 1 | µg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 93.8 | — | — | 1 | µg/L | Y | — | NQ | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.282 | 0.105 | 0.47 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.201 | 0.144 | 0.48 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 0.49 | — | 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 | 11/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 14.9 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 15.1 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 15.8 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.5 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.5 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 221 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 377 | — | — | 3.4 | mg/L | Y | — | J | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 167 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 129 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 147 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-813 | CAMO-13-30563 | 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 | 11/18/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.612 | — | — | 0.33 | mg/L | Y | J | J- | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.434 | — | — | 0.33 | mg/L | Y | J | J | 2014-3383 | CAMO-14-75494 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.614 | — | — | 0.33 | mg/L | Y | J | J | 2014-2433 | CAMO-14-45743 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.631 | — | — | 0.33 | mg/L | Y | J | J | 2013-813 | CAMO-13-30572 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.638 | — | — | 0.33 | mg/L | Y | J | J | 2013-813 | CAMO-13-30561 | 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 | 11/18/14 | WG | UF | INIT | REG | RAD | EPA:906.0 | Tritium | H-3 | Y | 2610 | 137 | 193 | — | pCi/L | Y | — | NQ | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | EPA:906.0 | Tritium | H-3 | Y | 2100 | 92.5 | 126 | — | pCi/L | Y | — | NQ | 2014-2433 | CAMO-14-45743 | 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 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.164 | — | — | 0.067 | µg/L | Y | J | J | 2015-370 | CAMO-15-90224 | 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 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.165 | — | — | 0.067 | µg/L | Y | J | J | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.137 | — | — | 0.067 | µg/L | Y | J | J | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.155 | — | — | 0.067 | µg/L | Y | J | J | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.147 | — | — | 0.067 | µg/L | Y | J | J | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.13 | — | — | 0.067 | µg/L | Y | J | J | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | N | 0.0864 | 0.036 | 0.12 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | N | 0.08 | 0.0298 | 0.14 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 0.06 | — | 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 | 0.07 | — | 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 | 0.07 | — | pCi/L | Y | — | NQ | 10-3605 | CAMO-10-22836 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.00712 | 0.0214 | 0.1 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | -0.0165 | 0.0165 | 0.08 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 0.04 | — | 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 | 0.04 | — | 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-235/236 | U-235/236 | N | 0.0163 | 0.0074 | 0.04 | — | pCi/L | Y | U | U | 10-3605 | CAMO-10-22836 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | N | 0.0461 | 0.0258 | 0.11 | — | pCi/L | Y | U | U | 2015-370 | CAMO-15-90207 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | N | 0.0333 | 0.0176 | 0.07 | — | pCi/L | Y | U | U | 2014-2433 | CAMO-14-45743 | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.05 | — | pCi/L | Y | — | NQ | 10-3605 | CAMO-10-22836 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 2.45 | — | — | 1 | µg/L | Y | J | J | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 1.91 | — | — | 1 | µg/L | Y | J | J | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 3.28 | — | — | 1 | µg/L | Y | J | J | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 2.25 | — | — | 1 | µg/L | Y | J | J | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 1.99 | — | — | 1 | µg/L | Y | J | J | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 2.27 | — | — | 1 | µg/L | Y | J | J | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-5 | 689.04 | 11/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 6.74 | — | — | 3.3 | µg/L | Y | J | J | 2015-370 | CAMO-15-90224 | GELC |
| MCOI-5 | 689.04 | 05/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3383 | CAMO-14-75509 | GELC |
| MCOI-5 | 689.04 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 4.35 | — | — | 3.3 | µg/L | Y | J | J | 2014-2433 | CAMO-14-45759 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-813 | CAMO-13-30588 | GELC |
| MCOI-5 | 689.04 | 05/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-813 | CAMO-13-30563 | GELC |
| MCOI-5 | 689.04 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-246 | CAMO-13-24255 | GELC |
| MCOI-6 | 686 | 11/07/14 | 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 | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.79 | — | — | 0.01 | SU | Y | H | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | 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 | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.27 | — | — | 0.01 | SU | Y | H | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | 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 | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.86 | — | — | 0.01 | SU | Y | H | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | 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 | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.36 | — | — | 0.01 | SU | Y | H | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 95.7 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 64.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 94.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 93.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 92.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 93.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 89.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 96.3 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0 | 0.0077 | 0.07 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00783 | 0.00959 | 0.08 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | -0.00948 | 0.015 | 0.06 | — | pCi/L | Y | U | U | 2014-2426 | CAMO-14-45744 | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 10-3589 | CAMO-10-22837 | 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 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0777 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0375 | — | — | 0.017 | mg/L | Y | J | J | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0745 | — | — | 0.017 | mg/L | Y | — | U | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.105 | — | — | 0.017 | mg/L | Y | — | U | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0784 | — | — | 0.017 | mg/L | Y | — | U | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.03 | — | — | 0.017 | mg/L | Y | J | U | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0234 | — | — | 0.017 | mg/L | Y | J | J | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0426 | — | — | 0.017 | mg/L | Y | J | U | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 41.3 | — | — | 1 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Barium | Ba | Y | 41 | — | — | 1 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 42.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Barium | Ba | Y | 41.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 40.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Barium | Ba | Y | 39.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 42.2 | — | — | 1 | µg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 42.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 49.1 | — | — | 15 | µg/L | Y | J | J | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Boron | B | Y | 48.8 | — | — | 15 | µg/L | Y | J | J | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 49.6 | — | — | 15 | µg/L | Y | J | J | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Boron | B | Y | 47.9 | — | — | 15 | µg/L | Y | J | J | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 50.4 | — | — | 15 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Boron | B | Y | 48.6 | — | — | 15 | µg/L | Y | J | J | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 48.8 | — | — | 15 | µg/L | Y | J | J | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 42.3 | — | — | 15 | µg/L | Y | J | J | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.703 | — | — | 0.67 | mg/L | Y | J | J | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 2 | — | — | 0.67 | mg/L | Y | U | U | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.615 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.583 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.575 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.574 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.59 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.627 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 63.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 62.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 64.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 63.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 62.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 60.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 66.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 64.4 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 1.61 | 1.3 | 5.91 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.0969 | 1.44 | 5.38 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -1.85 | 1 | 3.13 | — | pCi/L | Y | U | U | 2014-2426 | CAMO-14-45744 | 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 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 62.9 | — | — | 0.67 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 62.9 | — | — | 0.67 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 62.9 | — | — | 0.67 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 63 | — | — | 0.67 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 60.3 | — | — | 0.67 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 60.4 | — | — | 0.67 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 60.8 | — | — | 0.67 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 62.6 | — | — | 0.67 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | 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 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 69.8 | — | — | 2 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 69.3 | — | — | 2 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 80.1 | — | — | 2 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 80.9 | — | — | 2 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 68.8 | — | — | 2 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 67.4 | — | — | 2 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 72.4 | — | — | 2 | µg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 81.3 | — | — | 10 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.447 | 1.24 | 4.86 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.334 | 1.36 | 5.36 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.384 | 1.1 | 3.9 | — | pCi/L | Y | U | U | 2014-2426 | CAMO-14-45744 | 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 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Copper | Cu | Y | 6.06 | — | — | 3 | µg/L | Y | J | J | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Copper | Cu | Y | 5.53 | — | — | 3 | µg/L | Y | J | J | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Copper | Cu | Y | 3.87 | — | — | 3 | µg/L | Y | J | J | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Copper | Cu | Y | 4.56 | — | — | 3 | µg/L | Y | J | J | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Copper | Cu | Y | 5.89 | — | — | 3 | µg/L | Y | J | J | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Copper | Cu | Y | 5.71 | — | — | 3 | µg/L | Y | J | J | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Copper | Cu | Y | 5.97 | — | — | 3 | µg/L | Y | J | J | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Copper | Cu | Y | 6.34 | — | — | 3 | µg/L | Y | J | J | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00276 | — | — | 0.0017 | mg/L | Y | J | J | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.0025 | — | — | 0.0017 | mg/L | Y | J | J | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00201 | — | — | 0.0017 | mg/L | Y | J | J | 2014-3700 | CAMO-14-83996 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00219 | — | — | 0.0017 | mg/L | Y | J | J | 2014-3700 | CAMO-14-83994 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | N | 0.005 | — | — | 0.0017 | mg/L | Y | U | U | 2014-3388 | CAMO-14-75495 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | N | 0.005 | — | — | 0.0017 | mg/L | Y | U | U | 2014-3388 | CAMO-14-75483 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00378 | — | — | 0.0017 | mg/L | Y | J | J | 2014-2788 | CAMO-14-49663 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | N | 0.005 | — | — | 0.0017 | mg/L | Y | U | U | 2014-2426 | CAMO-14-45744 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | SVOC | SW-846:8270D | Dioxane[1,4-] | 123-91-1 | Y | 9.33 | — | — | 3 | µg/L | Y | J | J | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | SVOC | SW-846:8270D | Dioxane[1,4-] | 123-91-1 | Y | 8.66 | — | — | 3.13 | µg/L | Y | J | J | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | UF | INIT | REG | SVOC | SW-846:8270D | Dioxane[1,4-] | 123-91-1 | Y | 9.05 | — | — | 3.13 | µg/L | Y | J | J | 2014-3388 | CAMO-14-75495 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | SVOC | SW-846:8270C | Dioxane[1,4-] | 123-91-1 | Y | 9.57 | — | — | 3 | µg/L | Y | J | J | 2014-2426 | CAMO-14-45744 | GELC |
| MCOI-6 | 686 | 05/08/13 | WG | UF | INIT | REG | SVOC | SW-846:8270C | Dioxane[1,4-] | 123-91-1 | Y | 7.57 | — | — | 3.16 | µg/L | Y | J | J | 2013-823 | CAMO-13-30573 | GELC |
| 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 | µg/L | Y | J | J | 2013-267 | CAMO-13-24239 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | RE | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.508 | — | — | 0.033 | mg/L | Y | H | J- | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | RE | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.517 | — | — | 0.033 | mg/L | Y | H | J- | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.977 | — | — | 0.33 | mg/L | N | J | R | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.947 | — | — | 0.33 | mg/L | N | J | R | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.504 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.478 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.599 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.599 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.534 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.575 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.572 | 0.452 | 1.49 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.528 | 0.391 | 1.29 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 2.2 | 0.979 | 2.95 | — | pCi/L | Y | U | U | 2014-2426 | CAMO-14-45744 | 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 | 11/07/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 2.41 | 0.617 | 1.98 | — | pCi/L | Y | — | NQ | 2015-262 | CAMO-15-90208 | 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 | 11/07/14 | WG | UF | INIT | FD | RAD | EPA:900 | Gross beta | GROSSB | Y | 5.4 | 0.607 | 1.81 | — | pCi/L | Y | — | NQ | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 1.77 | 0.459 | 1.45 | — | pCi/L | Y | — | J | 2014-2426 | CAMO-14-45744 | 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 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 213 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 210 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 214 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 212 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 209 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 204 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 224 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 215 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 13 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 12.9 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 13.1 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 13 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 13 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 12.8 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 13.8 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 13.3 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Manganese | Mn | Y | 3.13 | — | — | 2 | µg/L | Y | J | J | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Manganese | Mn | Y | 3.08 | — | — | 2 | µg/L | Y | J | J | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Manganese | Mn | Y | 3.05 | — | — | 2 | µg/L | Y | J | J | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Manganese | Mn | Y | 2.93 | — | — | 2 | µg/L | Y | J | J | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Manganese | Mn | N | 10 | — | — | 2 | µg/L | Y | U | U | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Manganese | Mn | Y | 2.23 | — | — | 2 | µg/L | Y | J | J | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Manganese | Mn | Y | 3.03 | — | — | 2 | µg/L | Y | J | J | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Manganese | Mn | Y | 2.92 | — | — | 2 | µg/L | Y | J | J | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.73 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.89 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 2.02 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 2 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.56 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.5 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.78 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.64 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 0.265 | 2.4 | 8.71 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 2.5 | 3.29 | 11.7 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 1.39 | 2.19 | 7.84 | — | pCi/L | Y | U | U | 2014-2426 | CAMO-14-45744 | 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 | 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 | 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 | 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 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 29.7 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 29.2 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 33.8 | — | — | 0.5 | µg/L | Y | — | J | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 35 | — | — | 0.5 | µg/L | Y | — | J | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 38.6 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 37.8 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 40 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 41.8 | — | — | 2.5 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 8.17 | — | — | 0.17 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 7.98 | — | — | 0.17 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | 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 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 7.76 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 8 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 7.83 | — | — | 0.425 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 8.18 | — | — | 0.425 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 8.66 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 8.02 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | -19.77 | — | — | — | permil | Y | — | NQ | 2015-258 | CAMO-15-90189 | EES6 |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | -19.2407 | — | — | — | permil | Y | — | NQ | 2015-258 | CAMO-15-90225 | EES6 |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | -19.94 | — | — | — | permil | Y | — | NQ | 2014-2427 | CAMO-14-45760 | EES6 |
| MCOI-6 | 686 | 07/06/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | -33.228 | — | — | — | permil | N | — | NQ | 10-3587 | CAMO-10-22838 | EES6 |
| MCOI-6 | 686 | 01/26/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | -32.33 | — | — | — | permil | N | — | NQ | 10-1440 | CAMO-10-9317 | EES6 |
| MCOI-6 | 686 | 08/19/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | -32.79 | — | — | 0.01 | permil | N | — | NQ | 09-2966 | CAMO-09-9535 | EES6 |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 7.37081 | — | — | — | permil | Y | — | NQ | 2015-258 | CAMO-15-90189 | EES6 |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 8.06076 | — | — | — | permil | Y | — | NQ | 2015-258 | CAMO-15-90225 | EES6 |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 7.17 | — | — | — | permil | Y | — | NQ | 2014-2427 | CAMO-14-45760 | EES6 |
| MCOI-6 | 686 | 07/06/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 5.35527 | — | — | — | permil | N | — | NQ | 10-3587 | CAMO-10-22838 | EES6 |
| MCOI-6 | 686 | 01/26/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 8.46 | — | — | — | permil | N | — | NQ | 10-1440 | CAMO-10-9317 | EES6 |
| MCOI-6 | 686 | 08/19/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 8.37 | — | — | — | permil | N | — | NQ | 09-2966 | CAMO-09-9535 | EES6 |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 62.3 | — | — | 5 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 60.7 | — | — | 5 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 60.1 | — | — | 5 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 58.9 | — | — | 5 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 58 | — | — | 5 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 61.8 | — | — | 5 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 58.4 | — | — | 5 | µg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 56.8 | — | — | 5 | µg/L | Y | — | J+ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.0137 | 0.00727 | 0.04 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00273 | 0.00472 | 0.04 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.0129 | 0.0167 | 0.05 | — | pCi/L | Y | U | U | 2014-2426 | CAMO-14-45744 | GELC |
| MCOI-6 | 686 | 11/02/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.00181 | 0.00542 | 0.02 | — | 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 | 0.02 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3589 | CAMO-10-22837 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.00275 | 0.00824 | 0.05 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00273 | 0.00983 | 0.05 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.043 | 0.0172 | 0.08 | — | pCi/L | Y | U | U | 2014-2426 | CAMO-14-45744 | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3589 | CAMO-10-22837 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 0.936 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Potassium | K | Y | 0.944 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 0.869 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Potassium | K | Y | 0.868 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 0.839 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Potassium | K | Y | 0.845 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 0.817 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 0.768 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 13.6 | 17.5 | 56.2 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -18.2 | 16.1 | 59.6 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -16 | 14.2 | 48.2 | — | pCi/L | Y | U | U | 2014-2426 | CAMO-14-45744 | 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 |
| 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 |

**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 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 67.9 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 67.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 72.6 | — | — | 0.53 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 71.6 | — | — | 0.53 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 68.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 67 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 65.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 66.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 26.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Sodium | Na | Y | 25.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 26.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Sodium | Na | Y | 25.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 26.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Sodium | Na | Y | 26.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 27.6 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 25.6 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 1.49 | 1.35 | 5.52 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 3.81 | 1.53 | 6.92 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -2.16 | 0.906 | 2.65 | — | pCi/L | Y | U | U | 2014-2426 | CAMO-14-45744 | 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 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 554 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 552 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 566 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 567 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 577 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 562 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 589 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 576 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 286 | — | — | 1 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 282 | — | — | 1 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 296 | — | — | 1 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 294 | — | — | 1 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 283 | — | — | 1 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 280 | — | — | 1 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 296 | — | — | 1 | µg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 296 | — | — | 1 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0506 | 0.13 | 0.49 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.234 | 0.147 | 0.49 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.153 | 0.143 | 0.49 | — | pCi/L | Y | U | U | 2014-2426 | CAMO-14-45744 | GELC |
| MCOI-6 | 686 | 11/02/12 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.146 | 0.133 | 0.46 | — | 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 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 64.5 | — | — | 1.33 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 64.2 | — | — | 1.33 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 64 | — | — | 1.33 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 63.7 | — | — | 1.33 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 63.7 | — | — | 1.33 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 63.4 | — | — | 1.33 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 63.9 | — | — | 1.33 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 64.8 | — | — | 1.33 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 403 | — | — | 3.4 | mg/L | Y | — | J | 2015-262 | CAMO-15-90225 | 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 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 369 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 354 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 374 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 450 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 404 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 363 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 397 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.108 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.0868 | — | — | 0.033 | mg/L | Y | J | J | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.156 | — | — | 0.033 | mg/L | Y | — | U | 2014-3700 | CAMO-14-83996 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.182 | — | — | 0.033 | mg/L | Y | — | U | 2014-3700 | CAMO-14-83994 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.126 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75495 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.121 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75483 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.2 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49663 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.168 | — | — | 0.033 | mg/L | Y | — | U | 2014-2426 | CAMO-14-45744 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.09 | — | — | 0.33 | mg/L | Y | — | J- | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.05 | — | — | 0.33 | mg/L | Y | — | J- | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.942 | — | — | 0.33 | mg/L | Y | J | J | 2014-3700 | CAMO-14-83996 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.957 | — | — | 0.33 | mg/L | Y | J | J | 2014-3700 | CAMO-14-83994 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.06 | — | — | 0.33 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75495 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.09 | — | — | 0.33 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75483 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.901 | — | — | 0.33 | mg/L | Y | J | J | 2014-2788 | CAMO-14-49663 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.28 | — | — | 0.33 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45744 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0358 | — | — | 0.017 | mg/L | Y | J | J | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0381 | — | — | 0.017 | mg/L | Y | J | J | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.0521 | — | — | 0.017 | mg/L | Y | — | U | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.0683 | — | — | 0.017 | mg/L | Y | — | U | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.128 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.11 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0527 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.0702 | — | — | 0.017 | mg/L | Y | — | U | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | EPA:906.0 | Tritium | H-3 | Y | 3130 | 147 | 192 | — | pCi/L | Y | — | NQ | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | EPA:906.0 | Tritium | H-3 | Y | 2940 | 147 | 198 | — | pCi/L | Y | — | NQ | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | EPA:906.0 | Tritium | H-3 | Y | 3390 | 155 | 191 | — | pCi/L | Y | — | NQ | 2014-2426 | CAMO-14-45744 | 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 | 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 | 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 | 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 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.15 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.14 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.35 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.35 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.18 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.15 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.21 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.2 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.818 | 0.0597 | 0.08 | — | pCi/L | Y | — | NQ | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.918 | 0.0499 | 0.05 | — | pCi/L | Y | — | NQ | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.776 | 0.0628 | 0.1 | — | pCi/L | Y | — | NQ | 2014-2426 | CAMO-14-45744 | GELC |
| MCOI-6 | 686 | 11/02/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.617 | 0.0441 | 0.07 | — | 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 | 0.08 | — | 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 | 0.08 | — | 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 | 11/07/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0142 | 0.0125 | 0.07 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0224 | 0.0124 | 0.05 | — | pCi/L | Y | U | U | 2015-262 | CAMO-15-90188 | 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 | 11/07/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.018 | 0.0199 | 0.06 | — | pCi/L | Y | U | U | 2014-2426 | CAMO-14-45744 | 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 | 0.04 | — | pCi/L | Y | U | U | 2013-267 | CAMO-13-24239 | 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 | 0.04 | — | pCi/L | Y | — | U | 12-312 | CAMO-12-1471 | 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 | 07/06/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | Y | 0.0541 | 0.015 | 0.04 | — | pCi/L | Y | — | NQ | 10-3589 | CAMO-10-22837 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.283 | 0.0346 | 0.08 | — | pCi/L | Y | — | NQ | 2015-262 | CAMO-15-90208 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.35 | 0.0312 | 0.05 | — | pCi/L | Y | — | NQ | 2015-262 | CAMO-15-90188 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.31 | 0.0417 | 0.05 | — | pCi/L | Y | — | NQ | 2014-2426 | CAMO-14-45744 | GELC |
| MCOI-6 | 686 | 11/02/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.281 | 0.0302 | 0.05 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.05 | — | pCi/L | Y | — | NQ | 10-3589 | CAMO-10-22837 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 1.2 | — | — | 1 | µg/L | Y | J | J | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Vanadium | V | Y | 1.27 | — | — | 1 | µg/L | Y | J | J | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 1.36 | — | — | 1 | µg/L | Y | J | J | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Vanadium | V | Y | 1.77 | — | — | 1 | µg/L | Y | J | J | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 1.07 | — | — | 1 | µg/L | Y | J | J | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Vanadium | V | Y | 1.39 | — | — | 1 | µg/L | Y | J | J | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 1.16 | — | — | 1 | µg/L | Y | J | J | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 1.08 | — | — | 1 | µg/L | Y | J | J | 2014-2426 | CAMO-14-45760 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 27.1 | — | — | 3.3 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90225 | GELC |
| MCOI-6 | 686 | 11/07/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 27 | — | — | 3.3 | µg/L | Y | — | NQ | 2015-262 | CAMO-15-90189 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 19.7 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84007 | GELC |
| MCOI-6 | 686 | 07/08/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 20.2 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-83995 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 18.8 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75510 | GELC |
| MCOI-6 | 686 | 05/13/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 19.7 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75486 | GELC |
| MCOI-6 | 686 | 01/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 25.2 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-2788 | CAMO-14-49674 | GELC |
| MCOI-6 | 686 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 27.6 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45760 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.79 | — | — | 0.01 | SU | Y | H | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | 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 | 2014-2506 | CAMO-14-45761 | 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 | 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 | 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 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 67.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 66.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | -0.00682 | 0.00835 | 0.07 | — | pCi/L | Y | U | U | 2015-265 | CAMO-15-90209 | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 09-2878 | CAMO-09-9549 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.103 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0989 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | GELC |
| R-1 | 1031.12 | 10/30/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.05 | — | — | 0.017 | mg/L | Y | U | U | 2013-247 | CAMO-13-24257 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.05 | — | — | 0.016 | mg/L | Y | U | U | 12-384 | CAMO-12-1478 | GELC |
| R-1 | 1031.12 | 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-12-1475 | GELC |
| R-1 | 1031.12 | 08/02/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.05 | — | — | 0.016 | mg/L | Y | U | UJ | 11-3001 | CAMO-11-24661 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 13.3 | — | — | 1 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 12.2 | — | — | 1 | µg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | GELC |
| R-1 | 1031.12 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 13.7 | — | — | 1 | µg/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 | µg/L | Y | — | NQ | 12-384 | CAMO-12-1475 | 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 | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 14.3 | — | — | 1 | µg/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 | µg/L | Y | — | NQ | 11-3001 | CAMO-11-24661 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 11 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 10.7 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 0.131 | 1.74 | 6.18 | — | pCi/L | Y | U | U | 2015-265 | CAMO-15-90209 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 1.99 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 | 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 | 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 |
| 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.24 | — | — | 2 | µg/L | Y | J | J | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.57 | — | — | 2 | µg/L | Y | J | J | 2014-2506 | CAMO-14-45761 | GELC |
| R-1 | 1031.12 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.27 | — | — | 2 | µg/L | Y | J | J | 2013-247 | CAMO-13-24257 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.46 | — | — | 2 | µg/L | Y | J | J | 12-384 | CAMO-12-1475 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.49 | — | — | 2 | µg/L | Y | J | J | 12-384 | CAMO-12-1478 | GELC |
| R-1 | 1031.12 | 08/02/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.75 | — | — | 2 | µg/L | Y | J | J | 11-3001 | CAMO-11-24661 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -2.02 | 1.53 | 5.04 | — | pCi/L | Y | U | U | 2015-265 | CAMO-15-90209 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.173 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.155 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 1.99 | 0.806 | 2.13 | — | pCi/L | Y | U | U | 2015-265 | CAMO-15-90209 | 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 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 1.92 | 0.581 | 1.88 | — | pCi/L | Y | — | NQ | 2015-265 | CAMO-15-90209 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 43.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 41.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.92 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.63 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 |

**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 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.12 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | N | 1.62 | — | — | 0.165 | µg/L | Y | — | U | 2014-2506 | CAMO-14-45761 | GELC |
| R-1 | 1031.12 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.24 | — | — | 0.165 | µg/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 | µg/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 | µg/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 | µg/L | Y | — | U | 11-3001 | CAMO-11-24661 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -0.953 | 4.03 | 12 | — | pCi/L | Y | U | U | 2015-265 | CAMO-15-90209 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.17 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 3.48 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | GELC |
| R-1 | 1031.12 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 11 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-247 | CAMO-13-24257 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 17.5 | — | — | 0.5 | µg/L | Y | — | NQ | 12-384 | CAMO-12-1478 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 17.7 | — | — | 0.5 | µg/L | Y | — | NQ | 12-384 | CAMO-12-1475 | GELC |
| R-1 | 1031.12 | 08/02/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 8.19 | — | — | 0.5 | µg/L | Y | — | NQ | 11-3001 | CAMO-11-24661 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.337 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.342 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 | 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 | 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 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.55154 | — | — | — | permil | Y | — | NQ | 2015-260 | CAMO-15-90226 | EES6 |
| R-1 | 1031.12 | 07/13/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.11601 | — | — | — | permil | N | — | NQ | 10-3682 | CAMO-10-22843 | EES6 |
| R-1 | 1031.12 | 08/13/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.55 | — | — | — | permil | N | — | NQ | 09-2876 | CAMO-09-9551 | EES6 |
| R-1 | 1031.12 | 08/15/08 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.6 | 0.24 | — | — | permil | N | — | NQ | 08-1697 | CAMO-08-14503 | EES6 |
| R-1 | 1031.12 | 08/13/07 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.63 | 0.09 | — | — | permil | N | — | NQ | 19328 | EF070800G01R01 | EES6 |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.74906 | — | — | — | permil | Y | — | NQ | 2015-260 | CAMO-15-90226 | EES6 |
| R-1 | 1031.12 | 07/13/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.86693 | — | — | — | permil | N | — | NQ | 10-3682 | CAMO-10-22843 | EES6 |
| R-1 | 1031.12 | 08/13/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.74 | — | — | — | permil | N | — | NQ | 09-2876 | CAMO-09-9551 | EES6 |
| R-1 | 1031.12 | 08/15/08 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 1.47 | — | — | — | permil | N | — | NQ | 08-1697 | CAMO-08-14503 | EES6 |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.363 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.336 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 | µg/L | Y | — | NQ | 2013-247 | CAMO-13-24257 | 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 | µg/L | Y | — | NQ | 12-384 | CAMO-12-1478 | 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 | µg/L | Y | — | NQ | 12-384 | CAMO-12-1475 | 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 | µg/L | Y | — | NQ | 11-3001 | CAMO-11-24661 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00311 | 0.00538 | 0.04 | — | pCi/L | Y | U | U | 2015-265 | CAMO-15-90209 | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.05 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 09-2878 | CAMO-09-9549 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0 | 0.00982 | 0.06 | — | pCi/L | Y | U | U | 2015-265 | CAMO-15-90209 | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 09-2878 | CAMO-09-9549 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.7 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.56 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 |

**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 | 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 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 26.2 | 23.2 | 62.8 | — | pCi/L | Y | U | U | 2015-265 | CAMO-15-90209 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 73.9 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 70.8 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 11.5 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 | 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 | 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 | 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 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -2.27 | 1.75 | 5.8 | — | pCi/L | Y | U | U | 2015-265 | CAMO-15-90209 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 134 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 145 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2506 | CAMO-14-45761 | GELC |
| R-1 | 1031.12 | 10/30/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 141 | — | — | 1 | µS/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 | µS/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 | µS/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 | µS/cm | Y | — | NQ | 11-3001 | CAMO-11-24661 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 51.4 | — | — | 1 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 47.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | GELC |
| R-1 | 1031.12 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 51.8 | — | — | 1 | µg/L | Y | — | NQ | 2013-247 | CAMO-13-24257 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 51.4 | — | — | 1 | µg/L | Y | — | NQ | 12-384 | CAMO-12-1475 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 50.6 | — | — | 1 | µg/L | Y | — | NQ | 12-384 | CAMO-12-1478 | GELC |
| R-1 | 1031.12 | 08/02/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 53 | — | — | 1 | µg/L | Y | — | NQ | 11-3001 | CAMO-11-24661 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0636 | 0.0643 | 0.22 | — | pCi/L | Y | U | U | 2015-265 | CAMO-15-90209 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.34 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.38 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 | 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 | 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 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 131 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 126 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | 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 | 11/10/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.391 | — | — | 0.33 | mg/L | Y | J | J- | 2015-265 | CAMO-15-90209 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.57 | — | — | 0.33 | mg/L | Y | J | J | 2014-2506 | CAMO-14-45745 | 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 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0254 | — | — | 0.017 | mg/L | Y | J | J | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.0475 | — | — | 0.017 | mg/L | Y | J | U | 2014-2506 | CAMO-14-45761 | GELC |
| R-1 | 1031.12 | 10/30/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.0314 | — | — | 0.017 | mg/L | Y | J | U | 2013-247 | CAMO-13-24257 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0316 | — | — | 0.015 | mg/L | Y | J | J | 12-384 | CAMO-12-1475 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.05 | — | — | 0.015 | mg/L | Y | U | U | 12-384 | CAMO-12-1478 | GELC |
| R-1 | 1031.12 | 08/02/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.257 | — | — | 0.015 | mg/L | Y | — | J | 11-3001 | CAMO-11-24661 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.03 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.22 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | GELC |
| R-1 | 1031.12 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.933 | — | — | 0.067 | µg/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 | µg/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 | µg/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 | µg/L | Y | — | NQ | 11-3001 | CAMO-11-24661 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.766 | 0.0471 | 0.06 | — | pCi/L | Y | — | NQ | 2015-265 | CAMO-15-90209 | 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 | 0.07 | — | 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 | 0.07 | — | 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 | 0.09 | — | pCi/L | Y | — | NQ | 09-2878 | CAMO-09-9549 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0244 | 0.0125 | 0.05 | — | pCi/L | Y | U | U | 2015-265 | CAMO-15-90209 | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.06 | — | 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 | 0.05 | — | pCi/L | Y | U | U | 09-2878 | CAMO-09-9549 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.324 | 0.0312 | 0.06 | — | pCi/L | Y | — | NQ | 2015-265 | CAMO-15-90209 | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.06 | — | 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 | 0.05 | — | pCi/L | Y | — | NQ | 09-2878 | CAMO-09-9549 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 7.84 | — | — | 1 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 7.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-2506 | CAMO-14-45761 | GELC |
| R-1 | 1031.12 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 8.1 | — | — | 1 | µg/L | Y | — | NQ | 2013-247 | CAMO-13-24257 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 7.18 | — | — | 1 | µg/L | Y | — | NQ | 12-384 | CAMO-12-1475 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 7.18 | — | — | 1 | µg/L | Y | — | NQ | 12-384 | CAMO-12-1478 | GELC |
| R-1 | 1031.12 | 08/02/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 8.57 | — | — | 1 | µg/L | Y | — | NQ | 11-3001 | CAMO-11-24661 | GELC |
| R-1 | 1031.12 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 5.58 | — | — | 3.3 | µg/L | Y | J | J | 2015-265 | CAMO-15-90226 | GELC |
| R-1 | 1031.12 | 11/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2506 | CAMO-14-45761 | GELC |
| R-1 | 1031.12 | 10/30/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-247 | CAMO-13-24257 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 13.1 | — | — | 3.3 | µg/L | Y | — | U | 12-384 | CAMO-12-1475 | GELC |
| R-1 | 1031.12 | 11/18/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | N | 12 | — | — | 3.3 | µg/L | Y | — | U | 12-384 | CAMO-12-1478 | GELC |
| R-1 | 1031.12 | 08/02/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 22.7 | — | — | 3.3 | µg/L | Y | — | NQ | 11-3001 | CAMO-11-24661 | GELC |
| R-11 | 855 | 11/19/14 | 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 | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | 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 | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.79 | — | — | 0.01 | SU | Y | H | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | 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 | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.22 | — | — | 0.01 | SU | Y | H | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 69.7 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 69.6 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 68 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 70.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 71.6 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | -0.0136 | 0.0175 | 0.09 | — | pCi/L | Y | U | U | 2015-393 | CASA-15-90249 | 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 | 0.03 | — | pCi/L | Y | U | U | 2013-270 | CASA-13-24209 | 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 | 08/17/12 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00254 | 0.00568 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-1502 | CASA-10-9459 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 40.8 | — | — | 1 | µg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 41.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 40.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 41.4 | — | — | 1 | µg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 41.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 29.6 | — | — | 15 | µg/L | Y | J | J | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 30.5 | — | — | 15 | µg/L | Y | J | J | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 24.7 | — | — | 15 | µg/L | Y | J | J | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 28.5 | — | — | 15 | µg/L | Y | J | J | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 26.9 | — | — | 15 | µg/L | Y | J | J | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0954 | — | — | 0.067 | mg/L | Y | J | J | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.106 | — | — | 0.067 | mg/L | Y | J | J | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0981 | — | — | 0.067 | mg/L | Y | J | J | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.1 | — | — | 0.067 | mg/L | Y | J | J | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 23.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 23.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 23.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 24.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 23.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -2.01 | 1.59 | 5.7 | — | pCi/L | Y | U | U | 2015-393 | CASA-15-90249 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 5.76 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.15 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 5.98 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 5.53 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 5.63 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 23.1 | — | — | 2 | µg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 25.4 | — | — | 2 | µg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 28.8 | — | — | 2 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 24.8 | — | — | 2 | µg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 18.6 | — | — | 2 | µg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.46 | 1.17 | 4.83 | — | pCi/L | Y | U | U | 2015-393 | CASA-15-90249 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.387 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.319 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.349 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.376 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.345 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.736 | 0.72 | 2.57 | — | pCi/L | Y | U | U | 2015-393 | CASA-15-90249 | 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 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 1.63 | 0.801 | 2.51 | — | pCi/L | Y | U | U | 2015-393 | CASA-15-90249 | 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 |

**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 | 08/17/12 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 84.1 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 86.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 85.5 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 87.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 85.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 6.35 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 6.49 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 6.48 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 6.6 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 6.47 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.52 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.41 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.45 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.62 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.7 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 3.93 | 2.65 | 10.1 | — | pCi/L | Y | U | U | 2015-393 | CASA-15-90249 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.711 | — | — | 0.5 | µg/L | Y | J | J | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | N | 2 | — | — | 0.5 | µg/L | Y | U | U | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.573 | — | — | 0.5 | µg/L | Y | J | J | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.562 | — | — | 0.5 | µg/L | Y | J | J | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.956 | — | — | 0.5 | µg/L | Y | J | J | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.69 | — | — | 0.17 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.8 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 6.06 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.6 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 6.09 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.33271 | — | — | — | permil | Y | — | NQ | 2015-387 | CASA-15-90257 | EES6 |
| R-11 | 855 | 07/08/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.92233 | — | — | — | permil | N | — | NQ | 10-3623 | CASA-10-22658 | EES6 |
| R-11 | 855 | 08/10/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.24 | — | — | 0.01 | permil | N | — | NQ | 09-2824 | CASA-09-10364 | EES6 |
| R-11 | 855 | 08/11/08 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.02 | 0.27 | — | — | permil | Y | — | NQ | 08-1647 | CASA-08-14383 | SILENS |
| R-11 | 855 | 08/17/07 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.59 | 0.18 | — | — | permil | N | — | NQ | 19336 | EF070800G11R01 | EES6 |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.47662 | — | — | — | permil | Y | — | NQ | 2015-387 | CASA-15-90257 | EES6 |
| R-11 | 855 | 07/08/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.67026 | — | — | — | permil | N | — | NQ | 10-3623 | CASA-10-22658 | EES6 |
| R-11 | 855 | 08/10/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.67 | — | — | — | permil | N | — | NQ | 09-2824 | CASA-09-10364 | EES6 |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.967 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.906 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.779 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.862 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.789 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00595 | 0.0152 | 0.04 | — | pCi/L | Y | U | U | 2015-393 | CASA-15-90249 | GELC |
| R-11 | 855 | 11/05/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.0105 | 0.00628 | 0.02 | — | 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 | 0.02 | — | 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 | 0.02 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-1502 | CASA-10-9459 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00298 | 0.0115 | 0.06 | — | pCi/L | Y | U | U | 2015-393 | CASA-15-90249 | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 10-3621 | CASA-10-22657 | 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 | 01/29/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.00783 | 0.0048 | 0.02 | — | pCi/L | Y | U | U | 10-1502 | CASA-10-9459 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.57 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.55 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.55 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.42 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | Y | 71.5 | 14.3 | 37.8 | — | pCi/L | Y | — | NQ | 2015-393 | CASA-15-90249 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Selenium | Se | Y | 1.81 | — | — | 1.5 | µg/L | Y | J | J | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Selenium | Se | Y | 1.72 | — | — | 1.5 | µg/L | Y | J | J | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Selenium | Se | Y | 2.11 | — | — | 1.5 | µg/L | Y | J | J | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Selenium | Se | Y | 1.93 | — | — | 1.5 | µg/L | Y | J | J | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Selenium | Se | Y | 2.13 | — | — | 1.5 | µg/L | Y | J | J | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 72.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 73.3 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 73.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 74.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 73.3 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 12.7 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 12.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 12.2 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 11.6 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 12.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 0.384 | 1.05 | 4.41 | — | pCi/L | Y | U | U | 2015-393 | CASA-15-90249 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 216 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 235 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 228 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 229 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 234 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 93.1 | — | — | 1 | µg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 95.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 91.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 92.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 93.2 | — | — | 1 | µg/L | Y | E | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.00622 | 0.131 | 0.48 | — | pCi/L | Y | U | U | 2015-393 | CASA-15-90249 | GELC |
| R-11 | 855 | 11/05/12 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.391 | 0.135 | 0.4 | — | 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 | 0.47 | — | 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 |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 14 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 14.8 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 14.3 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 14.1 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 14.5 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 176 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 187 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 201 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 190 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | 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 | 11/05/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 203 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.228 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-393 | CASA-15-90249 | GELC |
| R-11 | 855 | 07/11/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.1 | — | — | 0.033 | mg/L | Y | U | U | 2014-3790 | CASA-14-81516 | GELC |
| R-11 | 855 | 05/08/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.1 | — | — | 0.033 | mg/L | Y | U | U | 2014-3374 | CASA-14-75524 | GELC |
| R-11 | 855 | 01/09/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.0379 | — | — | 0.033 | mg/L | Y | J | J | 2014-2756 | CASA-14-49687 | GELC |
| R-11 | 855 | 11/05/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.0998 | — | — | 0.033 | mg/L | Y | J | U | 2014-2394 | CASA-14-45704 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.436 | — | — | 0.33 | mg/L | Y | J | J- | 2015-393 | CASA-15-90249 | GELC |
| R-11 | 855 | 07/11/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 2014-3790 | CASA-14-81516 | GELC |
| R-11 | 855 | 05/08/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.648 | — | — | 0.33 | mg/L | Y | J | J | 2014-3374 | CASA-14-75524 | GELC |
| R-11 | 855 | 01/09/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.355 | — | — | 0.33 | mg/L | Y | J | J | 2014-2756 | CASA-14-49687 | GELC |
| R-11 | 855 | 11/05/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.486 | — | — | 0.33 | mg/L | Y | J | J | 2014-2394 | CASA-14-45704 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 4.935 | 1.115 | 2.5 | — | pCi/L | Y | — | NQ | 2015-461 | CASA-15-90249 | ARSL |
| R-11 | 855 | 11/05/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 3.348 | 0.852 | 2.11 | — | pCi/L | Y | — | J- | 2014-2396 | CASA-14-45704 | ARSL |
| R-11 | 855 | 11/05/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 5.262 | 1.136 | 2.42 | — | 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 | 2.09 | — | pCi/L | Y | — | NQ | 11-2519 | CASA-11-10811 | ARSL |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.756 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.682 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.7 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.79 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.844 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.596 | 0.0574 | 0.1 | — | pCi/L | Y | — | NQ | 2015-393 | CASA-15-90249 | GELC |
| R-11 | 855 | 11/05/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.516 | 0.039 | 0.06 | — | 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 | 0.07 | — | 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 | 0.07 | — | 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 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0126 | 0.0126 | 0.09 | — | pCi/L | Y | U | U | 2015-393 | CASA-15-90249 | 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 | 0.04 | — | 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 | 0.05 | — | 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 | 0.04 | — | 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 | 0.08 | — | pCi/L | Y | U | U | 10-1502 | CASA-10-9459 | GELC |
| R-11 | 855 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.163 | 0.033 | 0.1 | — | pCi/L | Y | — | NQ | 2015-393 | CASA-15-90249 | GELC |
| R-11 | 855 | 11/05/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.218 | 0.0258 | 0.04 | — | 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 | 0.04 | — | 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 | 0.05 | — | 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 | 0.09 | — | pCi/L | Y | — | NQ | 10-1502 | CASA-10-9459 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 6.79 | — | — | 1 | µg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 6.89 | — | — | 1 | µg/L | Y | — | NQ | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 7.27 | — | — | 1 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 8.23 | — | — | 1 | µg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 7.07 | — | — | 1 | µg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-11 | 855 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 14.6 | — | — | 3.3 | µg/L | Y | — | NQ | 2015-393 | CASA-15-90257 | GELC |
| R-11 | 855 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 4.62 | — | — | 3.3 | µg/L | Y | J | J | 2014-3790 | CASA-14-81522 | GELC |
| R-11 | 855 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 5.61 | — | — | 3.3 | µg/L | Y | J | J | 2014-3374 | CASA-14-75532 | GELC |
| R-11 | 855 | 01/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 10.6 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-2756 | CASA-14-49693 | GELC |
| R-11 | 855 | 11/05/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 10.3 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-2394 | CASA-14-45712 | GELC |
| R-13 | 958.33 | 11/19/14 | 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 | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | 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 | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | 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 | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | 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 | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 61.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 59.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 63.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 59.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 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 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0 | 0.00849 | 0.07 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | 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 | 0.03 | — | 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 | 0.03 | — | 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:AM-241 | Americium-241 | Am-241 | N | -0.00306 | 0.01 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 09-2808 | CAMO-09-9558 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 1.99 | — | — | 1.7 | µg/L | Y | J | J | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-808 | CAMO-13-30590 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-258 | CAMO-13-24258 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 26 | — | — | 1 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 25.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 26.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 24.9 | — | — | 1 | µg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 25.1 | — | — | 1 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24258 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 15.5 | — | — | 15 | µg/L | Y | J | J | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2013-808 | CAMO-13-30590 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2013-258 | CAMO-13-24258 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 13.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 13.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 14 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 13.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 3.06 | 2.21 | 8.47 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.54 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.51 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.51 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.33 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 3.71 | — | — | 2 | µg/L | Y | J | J | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.14 | — | — | 2 | µg/L | Y | J | J | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.36 | — | — | 2 | µg/L | Y | J | J | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.49 | — | — | 2 | µg/L | Y | J | J | 2013-808 | CAMO-13-30590 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.91 | — | — | 2 | µg/L | Y | J | J | 2013-258 | CAMO-13-24258 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 2.22 | 1.91 | 8.05 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.295 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.507 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.29 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.251 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.308 | 0.688 | 2.83 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | 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 |

**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 | 08/16/07 | 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 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 1.05 | 0.654 | 2.15 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 49.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 46.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 49.3 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 47.8 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.5 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.17 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.49 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.36 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.03 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.997 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.33 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.19 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.05 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24258 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 6.22 | 3.46 | 13.3 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.739 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.811 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.768 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.71 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.06598 | — | — | — | permil | Y | — | NQ | 2015-388 | CAMO-15-90227 | EES6 |
| R-13 | 958.33 | 07/13/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.89 | — | — | — | permil | N | — | NQ | 10-3664 | CAMO-10-22846 | EES6 |
| R-13 | 958.33 | 08/06/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | N | 5.58 | — | — | 0.001 | permil | N | U | U | 09-2809 | CAMO-09-9560 | EES6 |
| R-13 | 958.33 | 08/14/08 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.08 | 0.24 | — | — | permil | Y | — | NQ | 08-1686 | CAMO-08-14534 | SILENS |
| R-13 | 958.33 | 08/14/08 | WG | F | INIT | FD | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.93 | 0.24 | — | — | permil | Y | — | NQ | 08-1686 | CAMO-08-14535 | SILENS |
| R-13 | 958.33 | 08/16/07 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.74 | 0.09 | — | — | permil | N | — | NQ | 19333 | EF070800G13R01 | EES6 |
| R-13 | 958.33 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.64977 | — | — | — | permil | Y | — | NQ | 2015-388 | CAMO-15-90227 | EES6 |
| R-13 | 958.33 | 07/13/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.25719 | — | — | — | permil | N | — | NQ | 10-3664 | CAMO-10-22846 | EES6 |
| R-13 | 958.33 | 08/06/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.59 | — | — | — | permil | N | — | NQ | 09-2809 | CAMO-09-9560 | EES6 |
| R-13 | 958.33 | 08/14/08 | WG | F | INIT | FD | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.55 | — | — | — | permil | Y | — | NQ | 08-1686 | CAMO-08-14535 | SILENS |
| R-13 | 958.33 | 08/14/08 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.6 | — | — | — | permil | Y | — | NQ | 08-1686 | CAMO-08-14534 | SILENS |
| R-13 | 958.33 | 11/19/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.455 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.375 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.414 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | 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 | µg/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 | µg/L | Y | — | NQ | 12-1344 | CAMO-12-17131 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.00483 | 0.00483 | 0.03 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0 | 0.00728 | 0.04 | — | 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 | 0.04 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 09-2808 | CAMO-09-9558 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.00241 | 0.008 | 0.05 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00364 | 0.00814 | 0.06 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3667 | CAMO-10-22848 | 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 | 02/11/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 1.31E-10 | 0.0031 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 09-2808 | CAMO-09-9558 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.16 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.28 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.33 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -16 | 23.4 | 86.8 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 69.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 69.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 73.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 69.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 9.14 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 9.93 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 0.813 | 2.09 | 7.88 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 132 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 141 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 140 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 144 | — | — | 1 | µS/cm | Y | — | NQ | 2013-808 | CAMO-13-30590 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 141 | — | — | 1 | µS/cm | Y | — | NQ | 2013-258 | CAMO-13-24258 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 52 | — | — | 1 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 49.4 | — | — | 1 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 53.9 | — | — | 1 | µg/L | Y | E | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 54.5 | — | — | 1 | µg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 51 | — | — | 1 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24258 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0689 | 0.108 | 0.42 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | 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 | 0.49 | — | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.47 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.28 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.38 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.08 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 127 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 133 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 127 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 129 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | 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 | 11/19/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.69 | — | — | 0.33 | mg/L | Y | J | J- | 2015-391 | CAMO-15-90210 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.605 | — | — | 0.33 | mg/L | Y | J | J | 2014-3342 | CAMO-14-75496 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.55 | — | — | 0.33 | mg/L | Y | J | J | 2014-2434 | CAMO-14-45746 | 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 | 05/06/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.549 | — | — | 0.33 | mg/L | Y | J | J | 2013-808 | CAMO-13-30574 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 0.68 | — | — | 0.33 | mg/L | Y | J | U | 2013-258 | CAMO-13-24241 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.288 | 0.692 | 2.33 | — | pCi/L | Y | U | U | 2015-459 | CAMO-15-90210 | ARSL |
| R-13 | 958.33 | 11/08/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.843 | 0.548 | 1.75 | — | pCi/L | Y | U | U | 2014-2451 | CAMO-14-45746 | ARSL |
| R-13 | 958.33 | 10/31/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 1.037 | 0.628 | 2 | — | 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 | 2.35 | — | pCi/L | Y | U | U | 11-2581 | CAMO-11-10703 | ARSL |
| R-13 | 958.33 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.407 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.468 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.455 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.477 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-808 | CAMO-13-30590 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.435 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24258 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.333 | 0.046 | 0.11 | — | pCi/L | Y | — | NQ | 2015-391 | CAMO-15-90210 | 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 | 0.09 | — | 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 | 0.07 | — | 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 | 0.07 | — | pCi/L | Y | — | NQ | 09-2808 | CAMO-09-9558 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.00675 | 0.0151 | 0.1 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | 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 | 0.06 | — | 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 | 0.04 | — | 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 | 0.06 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 09-2808 | CAMO-09-9558 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | N | 0.0928 | 0.0273 | 0.11 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90210 | 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 | 0.06 | — | 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 | 0.05 | — | 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 | 0.06 | — | 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 | 0.03 | — | pCi/L | Y | — | NQ | 09-2808 | CAMO-09-9558 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.94 | — | — | 1 | µg/L | Y | J | J | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.26 | — | — | 1 | µg/L | Y | J | J | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.58 | — | — | 1 | µg/L | Y | — | NQ | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 4.64 | — | — | 1 | µg/L | Y | J | J | 2013-808 | CAMO-13-30590 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.58 | — | — | 1 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24258 | GELC |
| R-13 | 958.33 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 6.12 | — | — | 3.3 | µg/L | Y | J | J | 2015-391 | CAMO-15-90227 | GELC |
| R-13 | 958.33 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3342 | CAMO-14-75511 | GELC |
| R-13 | 958.33 | 11/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2434 | CAMO-14-45762 | GELC |
| R-13 | 958.33 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-808 | CAMO-13-30590 | GELC |
| R-13 | 958.33 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-258 | CAMO-13-24258 | GELC |
| R-15 | 958.6 | 11/10/14 | 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 | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.27 | — | — | 0.01 | SU | Y | H | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.37 | — | — | 0.01 | SU | Y | H | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.3 | — | — | 0.01 | SU | Y | H | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.27 | — | — | 0.01 | SU | Y | H | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 57.3 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 54.6 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 57.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 56.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 54.8 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 28.3 | — | — | 1 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 31.2 | — | — | 1 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 29.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 29.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 28.1 | — | — | 1 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | GELC |
| R-15 | 958.6 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 28 | — | — | 1 | µg/L | Y | — | NQ | 2013-259 | CAMO-13-24259 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0708 | — | — | 0.067 | mg/L | Y | J | J | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0854 | — | — | 0.067 | mg/L | Y | J | J | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0817 | — | — | 0.067 | mg/L | Y | J | J | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 13.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 14.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 14.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 14.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 14 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.19 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.65 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.12 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.12 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.25 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 11.2 | — | — | 2 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 11.6 | — | — | 2 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 13.1 | — | — | 2 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 11.4 | — | — | 2 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 12.5 | — | — | 2 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | GELC |
| R-15 | 958.6 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 10.5 | — | — | 2 | µg/L | Y | — | NQ | 2013-259 | CAMO-13-24259 | GELC |
| R-15 | 958.6 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.179 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.387 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.174 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.172 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.164 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 49.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 50.3 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 50.9 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 51.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 50.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.74 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.63 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.79 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.81 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.82 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.955 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.889 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.1 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | N | 1.05 | — | — | 0.165 | µg/L | Y | — | U | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | GELC |
| R-15 | 958.6 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.13 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-259 | CAMO-13-24259 | GELC |
| R-15 | 958.6 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.727 | — | — | 0.5 | µg/L | Y | J | J | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.764 | — | — | 0.5 | µg/L | Y | J | J | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.22 | — | — | 0.5 | µg/L | Y | J | J | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.25 | — | — | 0.5 | µg/L | Y | J | J | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.97 | — | — | 0.5 | µg/L | Y | J | J | 2013-809 | CAMO-13-30591 | GELC |
| R-15 | 958.6 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.88 | — | — | 0.5 | µg/L | Y | J | J | 2013-259 | CAMO-13-24259 | GELC |
| R-15 | 958.6 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.1 | — | — | 0.085 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | 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 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.45 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.97 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.94 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.12 | — | — | 0.085 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.97424 | — | — | — | permil | Y | — | NQ | 2015-260 | CAMO-15-90228 | EES6 |
| R-15 | 958.6 | 07/14/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.55725 | — | — | — | permil | Y | — | NQ | 10-3695 | CAMO-10-22856 | EES6 |
| R-15 | 958.6 | 08/06/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | N | 5.5 | — | — | 0.001 | permil | N | U | U | 09-2809 | CAMO-09-9540 | EES6 |
| R-15 | 958.6 | 08/15/08 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.24 | 0.24 | — | — | permil | N | — | NQ | 08-1697 | CAMO-08-14540 | EES6 |
| R-15 | 958.6 | 08/16/07 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.17 | 0.09 | — | — | permil | N | — | NQ | 19332 | EF070800G15R01 | EES6 |
| R-15 | 958.6 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.7639 | — | — | — | permil | Y | — | NQ | 2015-260 | CAMO-15-90228 | EES6 |
| R-15 | 958.6 | 07/14/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.614 | — | — | — | permil | N | — | NQ | 10-3695 | CAMO-10-22856 | EES6 |
| R-15 | 958.6 | 08/06/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.59 | — | — | — | permil | N | — | NQ | 09-2809 | CAMO-09-9540 | EES6 |
| R-15 | 958.6 | 08/15/08 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 0.89 | — | — | — | permil | N | — | NQ | 08-1697 | CAMO-08-14540 | EES6 |
| R-15 | 958.6 | 11/10/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 8.03 | — | — | 1 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 7.98 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 7.07 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 7.19 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 8.42 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | µg/L | Y | — | J | 2013-259 | CAMO-13-24259 | GELC |
| R-15 | 958.6 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.76 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.58 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.72 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.73 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.83 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 71 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 69.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 70 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 70.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 70.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 9.57 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.5 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 145 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 160 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 153 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 155 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 159 | — | — | 1 | µS/cm | Y | — | NQ | 2013-809 | CAMO-13-30591 | GELC |
| R-15 | 958.6 | 10/31/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 153 | — | — | 1 | µS/cm | Y | — | NQ | 2013-259 | CAMO-13-24259 | GELC |
| R-15 | 958.6 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 61.1 | — | — | 1 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 65.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 64.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 64.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 64.7 | — | — | 1 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | GELC |
| R-15 | 958.6 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 59.9 | — | — | 1 | µg/L | Y | — | NQ | 2013-259 | CAMO-13-24259 | GELC |
| R-15 | 958.6 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 6.46 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 7.51 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 6.4 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 6.38 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 6.47 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 167 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 156 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 140 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 139 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 149 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | 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 | 11/10/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.449 | — | — | 0.33 | mg/L | Y | J | J- | 2015-265 | CAMO-15-90211 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.463 | — | — | 0.33 | mg/L | Y | J | J | 2014-3342 | CAMO-14-75497 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.495 | — | — | 0.33 | mg/L | Y | J | J | 2014-2426 | CAMO-14-45747 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.576 | — | — | 0.33 | mg/L | Y | J | J | 2014-2426 | CAMO-14-45725 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.477 | — | — | 0.33 | mg/L | Y | J | J | 2013-809 | CAMO-13-30575 | GELC |
| R-15 | 958.6 | 10/31/12 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1.01 | — | — | 0.33 | mg/L | Y | — | U | 2013-259 | CAMO-13-24242 | GELC |
| R-15 | 958.6 | 11/10/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 29.043 | 4.499 | 2.21 | — | pCi/L | Y | — | NQ | 2015-313 | CAMO-15-90211 | ARSL |
| R-15 | 958.6 | 11/07/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 22.061 | 3.413 | 1.66 | — | pCi/L | Y | — | J- | 2014-2451 | CAMO-14-45747 | ARSL |
| R-15 | 958.6 | 11/07/13 | WG | UF | INIT | FD | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 17.886 | 2.862 | 2.33 | — | pCi/L | Y | — | J- | 2014-2451 | CAMO-14-45725 | ARSL |
| R-15 | 958.6 | 10/31/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 15.912 | 2.532 | 1.93 | — | 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 | 2.83 | — | pCi/L | Y | — | J | 11-2581 | CAMO-11-10715 | ARSL |
| R-15 | 958.6 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.417 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.423 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.451 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.448 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.44 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | GELC |
| R-15 | 958.6 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.443 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-259 | CAMO-13-24259 | GELC |
| R-15 | 958.6 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 6.38 | — | — | 1 | µg/L | Y | — | NQ | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 6.16 | — | — | 1 | µg/L | Y | — | NQ | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.08 | — | — | 1 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.08 | — | — | 1 | µg/L | Y | — | NQ | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.94 | — | — | 1 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30591 | GELC |
| R-15 | 958.6 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.86 | — | — | 1 | µg/L | Y | — | NQ | 2013-259 | CAMO-13-24259 | GELC |
| R-15 | 958.6 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 5.15 | — | — | 3.3 | µg/L | Y | J | J | 2015-265 | CAMO-15-90228 | GELC |
| R-15 | 958.6 | 05/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3342 | CAMO-14-75512 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2426 | CAMO-14-45763 | GELC |
| R-15 | 958.6 | 11/07/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2426 | CAMO-14-45728 | GELC |
| R-15 | 958.6 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-809 | CAMO-13-30591 | GELC |
| R-15 | 958.6 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-259 | CAMO-13-24259 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.87 | — | — | 0.01 | SU | Y | H | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.79 | — | — | 0.01 | SU | Y | H | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.78 | — | — | 0.01 | SU | Y | H | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | 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 | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 77.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 75.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 76.6 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 77.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.0101 | 0.00753 | 0.07 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90212 | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 09-2878 | CAMO-09-9546 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 2.27 | — | — | 1.7 | µg/L | Y | J | J | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-809 | CAMO-13-30592 | 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 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 69.1 | — | — | 1 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 70.2 | — | — | 1 | µg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 65.1 | — | — | 1 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 68.1 | — | — | 1 | µg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 66.3 | — | — | 1 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 22.9 | — | — | 15 | µg/L | Y | J | J | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 26.7 | — | — | 15 | µg/L | Y | J | J | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 20 | — | — | 15 | µg/L | Y | J | J | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 25.1 | — | — | 15 | µg/L | Y | J | J | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 23.7 | — | — | 15 | µg/L | Y | J | J | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.311 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.308 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.232 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.241 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 48.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 47.4 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 44.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 45.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.0679 | 1.31 | 4.96 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90212 | 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 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 39.3 | — | — | 0.67 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 38.4 | — | — | 0.67 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 34.3 | — | — | 0.67 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 34.3 | — | — | 0.335 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 421 | — | — | 2 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 362 | — | — | 2 | µg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 404 | — | — | 2 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 433 | — | — | 10 | µg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 415 | — | — | 20 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.617 | 1.22 | 4.63 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90212 | 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 | 11/13/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00476 | — | — | 0.0017 | mg/L | Y | J | J | 2015-318 | CAMO-15-90212 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00322 | — | — | 0.0017 | mg/L | Y | J | J | 2014-3789 | CAMO-14-83997 | GELC |
| R-28 | 934.3 | 11/15/11 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00623 | — | — | 0.0015 | mg/L | Y | — | NQ | 12-341 | CAMO-12-1486 | GELC |
| R-28 | 934.3 | 08/02/11 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00506 | — | — | 0.0015 | mg/L | Y | — | NQ | 11-3009 | CAMO-11-24637 | GELC |
| R-28 | 934.3 | 06/01/11 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00431 | — | — | 0.0015 | mg/L | Y | J | J | 11-2597 | CAMO-11-10705 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.284 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.226 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.264 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.257 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.268 | 0.511 | 1.77 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90212 | 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 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 1.46 | 0.371 | 1.16 | — | pCi/L | Y | — | NQ | 2015-318 | CAMO-15-90212 | 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 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 170 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 167 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 157 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 161 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 12 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 11.8 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 11.1 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 11.5 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.797 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.979 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.877 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.845 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.822 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -2.17 | 2.71 | 9.53 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90212 | 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 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 12 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 20.3 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 23.3 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 21.9 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 21.1 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 4.3 | — | — | 0.17 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 3.94 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 3.83 | — | — | 0.17 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 3.98 | — | — | 0.17 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 10.5877 | — | — | — | permil | Y | — | NQ | 2015-316 | CAMO-15-90229 | EES6 |
| R-28 | 934.3 | 08/13/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 11.16 | — | — | — | permil | N | — | NQ | 09-2876 | CAMO-09-9547 | EES6 |
| R-28 | 934.3 | 08/15/08 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 8.86 | 0.24 | — | — | permil | N | — | NQ | 08-1697 | CAMO-08-14542 | EES6 |
| R-28 | 934.3 | 08/17/07 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 10.64 | 0.18 | — | — | permil | N | — | NQ | 19337 | EF070800G28R01 | EES6 |
| R-28 | 934.3 | 07/05/06 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 10.71 | — | — | — | permil | N | — | NQ | 12948 | EF060500G28R01 | EES6 |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.23212 | — | — | — | permil | Y | — | NQ | 2015-316 | CAMO-15-90229 | EES6 |
| R-28 | 934.3 | 07/14/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.57501 | — | — | — | permil | N | — | NQ | 10-3695 | CAMO-10-22859 | EES6 |
| R-28 | 934.3 | 08/13/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.6 | — | — | — | permil | N | — | NQ | 09-2876 | CAMO-09-9547 | EES6 |
| R-28 | 934.3 | 08/15/08 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.28 | — | — | — | permil | N | — | NQ | 08-1697 | CAMO-08-14542 | EES6 |
| R-28 | 934.3 | 11/29/07 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 0.92 | — | — | — | permil | N | — | NQ | 08-289 | GW28-08-9174 | EES6 |
| R-28 | 934.3 | 11/29/07 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 1.55 | — | — | — | permil | N | — | NQ | 08-281 | GW28-08-9169 | EES6 |
| R-28 | 934.3 | 11/29/07 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 2.36 | — | — | — | permil | N | — | NQ | 08-296 | GW28-08-9180 | EES6 |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 1.04 | — | — | 0.1 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.945 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.931 | — | — | 0.1 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.975 | — | — | 0.1 | µg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00281 | 0.00844 | 0.04 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90212 | 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 | 10/31/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.00691 | 0.00691 | 0.03 | — | 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 | 0.02 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 09-2878 | CAMO-09-9546 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00844 | 0.00744 | 0.06 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90212 | 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 | 0.06 | — | 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 | 0.03 | — | 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-239/240 | Pu-239/240 | N | 0.00833 | 0.0042 | 0.03 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 09-2878 | CAMO-09-9546 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.87 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.83 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.93 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -26.5 | 16.5 | 61.3 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90212 | 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 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 73 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 72.9 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 72.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 74.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 15.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 16.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 15.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 16 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -2.57 | 1.36 | 4.39 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90212 | 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 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 409 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 412 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 424 | — | — | 1 | µS/cm | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 422 | — | — | 1 | µS/cm | Y | — | NQ | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 415 | — | — | 1 | µS/cm | Y | — | NQ | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 179 | — | — | 1 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 184 | — | — | 1 | µg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 178 | — | — | 1 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 177 | — | — | 1 | µg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 172 | — | — | 1 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.0219 | 0.065 | 0.22 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90212 | 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 | 0.43 | — | 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 | 0.49 | — | 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 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 56.4 | — | — | 1.33 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 52.7 | — | — | 1.33 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 48 | — | — | 1.33 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 49 | — | — | 0.665 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | F | RE | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 304 | — | — | 3.4 | mg/L | Y | H | NQ | 2015-318 | CAMO-15-90229 | 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 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 509 | — | — | 3.4 | mg/L | N | — | R | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 296 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 261 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 290 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | 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 | 11/13/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.638 | — | — | 0.33 | mg/L | Y | J | J | 2015-318 | CAMO-15-90212 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.514 | — | — | 0.33 | mg/L | Y | J | J | 2014-3789 | CAMO-14-83997 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.901 | — | — | 0.33 | mg/L | Y | J | J | 2013-809 | CAMO-13-30576 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.843 | — | — | 0.33 | mg/L | Y | J | J | 2013-503 | CAMO-13-28408 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1.28 | — | — | 0.33 | mg/L | Y | — | U | 2013-258 | CAMO-13-24243 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.314 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.08 | — | — | 0.017 | mg/L | Y | — | U | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0175 | — | — | 0.017 | mg/L | Y | J | J | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.074 | — | — | 0.017 | mg/L | Y | — | U | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.019 | — | — | 0.017 | mg/L | Y | J | U | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:906.0 | Tritium | H-3 | Y | 211 | 65.7 | 199 | — | pCi/L | Y | — | NQ | 2015-318 | CAMO-15-90212 | 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 | 3.03 | — | 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 | 1.8 | — | 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 | 1.8 | — | pCi/L | N | — | R | 11-474 | CAMO-11-1271 | ARSL |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.48 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.58 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.67 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.52 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.54 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 1.36 | 0.0607 | 0.06 | — | pCi/L | Y | — | NQ | 2015-318 | CAMO-15-90212 | 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 | 0.07 | — | 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 | 0.05 | — | 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 | 0.07 | — | 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 | 0.09 | — | pCi/L | Y | — | NQ | 09-2878 | CAMO-09-9546 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | Y | 0.0632 | 0.016 | 0.05 | — | pCi/L | Y | — | NQ | 2015-318 | CAMO-15-90212 | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.05 | — | pCi/L | Y | U | U | 09-2878 | CAMO-09-9546 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.557 | 0.0395 | 0.05 | — | pCi/L | Y | — | NQ | 2015-318 | CAMO-15-90212 | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.05 | — | 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 | 0.05 | — | pCi/L | Y | — | NQ | 09-2878 | CAMO-09-9546 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 5.17 | — | — | 1 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.19 | — | — | 1 | µg/L | Y | J | J | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 4.93 | — | — | 1 | µg/L | Y | J | J | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 7.8 | — | — | 1 | µg/L | Y | — | NQ | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.93 | — | — | 1 | µg/L | Y | — | NQ | 2013-258 | CAMO-13-24260 | GELC |
| R-28 | 934.3 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 5.41 | — | — | 3.3 | µg/L | Y | J | J | 2015-318 | CAMO-15-90229 | GELC |
| R-28 | 934.3 | 07/11/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 13.9 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-3789 | CAMO-14-84008 | GELC |
| R-28 | 934.3 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 4.63 | — | — | 3.3 | µg/L | Y | J | J | 2013-809 | CAMO-13-30592 | GELC |
| R-28 | 934.3 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 5.39 | — | — | 3.3 | µg/L | Y | J | J | 2013-503 | CAMO-13-28416 | GELC |
| R-28 | 934.3 | 10/31/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 3.67 | — | — | 3.3 | µg/L | Y | J | J | 2013-258 | CAMO-13-24260 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.76 | — | — | 0.01 | SU | Y | H | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | 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 | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | 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 | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | 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 | 12-1511 | CAMO-12-21797 | 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-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.75 | — | — | 0.01 | SU | Y | H | J- | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.77 | — | — | 0.01 | SU | Y | H | J- | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 64.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 62.7 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 66 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 65.5 | — | — | 0.725 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 63.8 | — | — | 0.73 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 63.8 | — | — | 0.73 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00853 | 0.00752 | 0.06 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.0125 | 0.0066 | 0.05 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00649 | 0.00649 | 0.04 | — | pCi/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.0126 | 0.00755 | 0.03 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00509 | 0.0038 | 0.03 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0323 | — | — | 0.017 | mg/L | Y | J | J | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.117 | — | — | 0.017 | mg/L | Y | — | U | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0784 | — | — | 0.017 | mg/L | Y | — | U | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0464 | — | — | 0.017 | mg/L | Y | J | U | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.05 | — | — | 0.016 | mg/L | Y | U | U | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.05 | — | — | 0.016 | mg/L | Y | U | U | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 2.05 | — | — | 1.7 | µg/L | Y | J | J | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 30.9 | — | — | 1 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 32 | — | — | 1 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 33.4 | — | — | 1 | µg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 31.2 | — | — | 1 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 33.5 | — | — | 1 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 34.1 | — | — | 1 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 11.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 11.4 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 12.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 11.6 | — | — | 0.05 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 12.6 | — | — | 0.05 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 12.2 | — | — | 0.05 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.78 | 1.93 | 6.2 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.237 | 1.48 | 5.55 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.391 | 1.6 | 5.89 | — | pCi/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.565 | 1.76 | 6.25 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 0.442 | 1.6 | 5.3 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.44 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.41 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.24 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.25 | — | — | 0.067 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.3 | — | — | 0.066 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.28 | — | — | 0.066 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4 | — | — | 2 | µg/L | Y | J | J | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.06 | — | — | 2 | µg/L | Y | J | J | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.12 | — | — | 2 | µg/L | Y | J | J | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 7.48 | — | — | 2 | µg/L | Y | J | J | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.51 | — | — | 2 | µg/L | Y | J | J | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.5 | — | — | 2 | µg/L | Y | J | J | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 2.01 | 1.36 | 5.97 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | 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-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.597 | 1.37 | 5.81 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 3.28 | 1.29 | 6.04 | — | pCi/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -1.04 | 1.56 | 5.6 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.102 | 1.2 | 4 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.229 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.174 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.361 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.225 | — | — | 0.033 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.228 | — | — | 0.033 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.236 | — | — | 0.033 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -1.37 | 0.564 | 2.88 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 2.01 | 0.929 | 2.85 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.657 | 0.613 | 2.26 | — | pCi/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.327 | 0.542 | 2.03 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.927 | 0.83 | 2.9 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | -0.556 | 0.699 | 2.63 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 4.07 | 0.857 | 2.16 | — | pCi/L | Y | — | NQ | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 3.37 | 0.895 | 2.44 | — | pCi/L | Y | — | NQ | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 1.68 | 0.888 | 2.88 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 1.66 | 0.75 | 2.3 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 43.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 44 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 47 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 44.6 | — | — | 0.453 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 47 | — | — | 0.45 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 48.1 | — | — | 0.45 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 47 | — | — | 0.45 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 48.1 | — | — | 0.45 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Iron | Fe | Y | 81.4 | — | — | 30 | µg/L | Y | J | J | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Iron | Fe | N | 100 | — | — | 30 | µg/L | Y | U | U | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Iron | Fe | N | 100 | — | — | 30 | µg/L | Y | U | U | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Iron | Fe | Y | 39.2 | — | — | 30 | µg/L | Y | J | J | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Iron | Fe | N | 100 | — | — | 30 | µg/L | Y | U | U | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Iron | Fe | N | 100 | — | — | 30 | µg/L | Y | U | U | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.7 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.76 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.81 | — | — | 0.11 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.01 | — | — | 0.11 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.02 | — | — | 0.11 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Manganese | Mn | Y | 2.98 | — | — | 2 | µg/L | Y | J | J | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Manganese | Mn | N | 10 | — | — | 2 | µg/L | Y | U | U | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Manganese | Mn | N | 10 | — | — | 2 | µg/L | Y | U | U | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Manganese | Mn | Y | 2.52 | — | — | 2 | µg/L | Y | J | J | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Manganese | Mn | N | 10 | — | — | 2 | µg/L | Y | U | U | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Manganese | Mn | N | 10 | — | — | 2 | µg/L | Y | U | U | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.26 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.12 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.28 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.23 | — | — | 0.165 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.16 | — | — | 0.17 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.13 | — | — | 0.17 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 0.996 | 2.54 | 9.31 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 4.86 | 2.94 | 11.4 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -1.65 | 2.37 | 8.24 | — | pCi/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -0.194 | 3.14 | 11 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -4.57 | 3.4 | 10 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | 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-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 8.4 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.94 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.705 | — | — | 0.5 | µg/L | Y | J | J | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.73 | — | — | 0.5 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.74 | — | — | 0.5 | µg/L | Y | J | J | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.69 | — | — | 0.5 | µg/L | Y | J | J | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.522 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.631 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.517 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.902 | — | — | 0.17 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.595 | — | — | 0.05 | mg/L | Y | — | J | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.59 | — | — | 0.05 | mg/L | Y | — | J | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.18674 | — | — | — | permil | Y | — | NQ | 2015-245 | CAMO-15-90230 | EES6 |
| R-33 S1 | 995.5 | 07/09/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.0344 | — | — | — | permil | N | — | NQ | 10-3633 | CAMO-10-22884 | EES6 |
| R-33 S1 | 995.5 | 05/12/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.47061 | — | — | — | permil | N | — | NQ | 10-3155 | CAMO-10-16817 | EES6 |
| R-33 S1 | 995.5 | 01/28/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.47 | — | — | — | permil | N | — | NQ | 10-1500 | CAMO-10-9363 | EES6 |
| R-33 S1 | 995.5 | 11/09/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.28 | — | — | — | permil | N | — | NQ | 10-474 | CAMO-10-3195 | EES6 |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.28045 | — | — | — | permil | Y | — | NQ | 2015-245 | CAMO-15-90230 | EES6 |
| R-33 S1 | 995.5 | 07/09/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.39617 | — | — | — | permil | N | — | NQ | 10-3633 | CAMO-10-22884 | EES6 |
| R-33 S1 | 995.5 | 01/28/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.18 | — | — | — | permil | N | — | NQ | 10-1500 | CAMO-10-9363 | EES6 |
| R-33 S1 | 995.5 | 11/09/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.44 | — | — | — | permil | N | — | NQ | 10-474 | CAMO-10-3195 | EES6 |
| R-33 S1 | 995.5 | 08/14/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.21 | — | — | — | permil | N | — | NQ | 09-2887 | CAMO-09-9575 | EES6 |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.393 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.382 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.396 | — | — | 0.05 | µg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.413 | — | — | 0.05 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.436 | — | — | 0.05 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.422 | — | — | 0.05 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.00252 | 0.00563 | 0.03 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.0057 | 0.0057 | 0.03 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0 | 0.00632 | 0.04 | — | pCi/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00287 | 0.00498 | 0.02 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.0189 | 0.011 | 0.03 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00503 | 0.00796 | 0.05 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0 | 0.00698 | 0.06 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.00632 | 0.00632 | 0.04 | — | pCi/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00287 | 0.00498 | 0.03 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.0105 | 0.0063 | 0.03 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.44 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.47 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.46 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.53 | — | — | 0.05 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.55 | — | — | 0.05 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.53 | — | — | 0.05 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -43.7 | 18 | 59.2 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 19.3 | 16.5 | 71.1 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 27.8 | 15.2 | 33.4 | — | pCi/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -12.8 | 21.9 | 78.3 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -0.826 | 25 | 85 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 73.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 76.9 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 79.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 75.4 | — | — | 0.053 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 78.7 | — | — | 0.053 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 80.3 | — | — | 0.053 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | 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-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 12 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11.8 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 12.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 12.1 | — | — | 0.1 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 12.4 | — | — | 0.1 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Sodium | Na | Y | 11.7 | — | — | 0.1 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 0.754 | 1.49 | 5.98 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -0.379 | 1.43 | 5.6 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 2.38 | 1.32 | 5.85 | — | pCi/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -0.79 | 1.51 | 5.55 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 0.138 | 1.6 | 5.2 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 125 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 139 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 142 | — | — | 1 | µS/cm | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 144 | — | — | 1 | µS/cm | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 135 | — | — | 1 | µS/cm | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 135 | — | — | 1 | µS/cm | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 49.4 | — | — | 1 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 50.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 52 | — | — | 1 | µg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 50.9 | — | — | 1 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 53.7 | — | — | 1 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 52.2 | — | — | 1 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0377 | 0.13 | 0.49 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0281 | 0.13 | 0.48 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.149 | 0.133 | 0.48 | — | pCi/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.079 | 0.127 | 0.47 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.118 | 0.11 | 0.49 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.32 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.24 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.13 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.1 | — | — | 0.133 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.23 | — | — | 0.1 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.15 | — | — | 0.1 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 123 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 134 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 204 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 141 | — | — | 3.4 | mg/L | Y | — | J | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 144 | — | — | 3.4 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 137 | — | — | 3.4 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.0342 | — | — | 0.033 | mg/L | Y | J | J | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.0497 | — | — | 0.033 | mg/L | Y | J | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.1 | — | — | 0.033 | mg/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.1 | — | — | 0.035 | mg/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.1 | — | — | 0.035 | mg/L | Y | U | U | 11-3044 | CAMO-11-24664 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | UF | INIT | FD | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.1 | — | — | 0.035 | mg/L | Y | U | U | 11-3044 | CAMO-11-24666 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.821 | — | — | 0.33 | mg/L | Y | J | J | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.446 | — | — | 0.33 | mg/L | Y | J | J | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.426 | — | — | 0.33 | mg/L | Y | J | J | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.743 | — | — | 0.33 | mg/L | Y | J | J | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 11-3044 | CAMO-11-24664 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 11-3044 | CAMO-11-24666 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 2.035 | 0.778 | 2.29 | — | pCi/L | Y | U | U | 2015-313 | CAMO-15-90213 | ARSL |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.983 | 0.644 | 2.06 | — | pCi/L | Y | U | U | 2013-1100AR | CAMO-13-37037 | ARSL |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.319 | 0.672 | 2.26 | — | pCi/L | Y | U | UJ | 12-1512 | CAMO-12-21788 | 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-33 S1 | 995.5 | 05/16/11 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.7728 | 0.6762 | 2.25 | — | pCi/L | Y | U | U | 11-2435 | CAMO-11-10762 | ARSL |
| R-33 S1 | 995.5 | 05/16/11 | WG | UF | INIT | FD | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.2254 | 0.6118 | 2.09 | — | pCi/L | Y | U | U | 11-2435 | CAMO-11-10765 | ARSL |
| R-33 S1 | 995.5 | 11/18/10 | WG | UF | RE | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 1.3846 | 0.7728 | 2.42 | — | pCi/L | Y | U | U | 11-748 | CAMO-11-1297 | ARSL |
| R-33 S1 | 995.5 | 11/18/10 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 3.5742 | 1.1914 | 2.42 | — | pCi/L | N | — | R | 11-748 | CAMO-11-1297 | ARSL |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.892 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.833 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.964 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.869 | — | — | 0.067 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.807 | — | — | 0.067 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.729 | — | — | 0.067 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.543 | 0.035 | 0.04 | — | pCi/L | Y | — | NQ | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.553 | 0.0401 | 0.06 | — | pCi/L | Y | — | NQ | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.501 | 0.0375 | 0.06 | — | pCi/L | Y | — | J | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.492 | 0.0373 | 0.07 | — | pCi/L | Y | — | J | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.447 | 0.043 | 0.05 | — | pCi/L | Y | — | NQ | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0271 | 0.0101 | 0.04 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0106 | 0.00787 | 0.04 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0102 | 0.0102 | 0.03 | — | pCi/L | Y | U | U | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.013 | 0.00793 | 0.05 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0257 | 0.008 | 0.03 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.274 | 0.0247 | 0.04 | — | pCi/L | Y | — | NQ | 2015-250 | CAMO-15-90213 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.256 | 0.0279 | 0.06 | — | pCi/L | Y | — | NQ | 2014-3714 | CAMO-14-81575 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.286 | 0.0294 | 0.05 | — | pCi/L | Y | — | J | 2013-1100 | CAMO-13-37037 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.272 | 0.0282 | 0.04 | — | pCi/L | Y | — | J | 12-1511 | CAMO-12-21788 | GELC |
| R-33 S1 | 995.5 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.202 | 0.025 | 0.03 | — | pCi/L | Y | — | NQ | 10-3636 | CAMO-10-22883 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 5.65 | — | — | 1 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.49 | — | — | 1 | µg/L | Y | J | J | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.5 | — | — | 1 | µg/L | Y | — | NQ | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 4.96 | — | — | 1 | µg/L | Y | J | J | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.77 | — | — | 1 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.18 | — | — | 1 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S1 | 995.5 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 5.25 | — | — | 3.3 | µg/L | Y | J | J | 2015-250 | CAMO-15-90230 | GELC |
| R-33 S1 | 995.5 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3714 | CAMO-14-81584 | GELC |
| R-33 S1 | 995.5 | 07/10/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 5.44 | — | — | 3.3 | µg/L | Y | J | J | 2013-1100 | CAMO-13-37046 | GELC |
| R-33 S1 | 995.5 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 6.88 | — | — | 3.3 | µg/L | Y | J | J | 12-1511 | CAMO-12-21797 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 11-3044 | CAMO-11-24667 | GELC |
| R-33 S1 | 995.5 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 11-3044 | CAMO-11-24662 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.81 | — | — | 0.01 | SU | Y | H | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | 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 | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | 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 | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.83 | — | — | 0.01 | SU | Y | H | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.91 | — | — | 0.01 | SU | Y | H | J- | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 94.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 63.8 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 62.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 64.5 | — | — | 0.725 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 64.9 | — | — | 0.73 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00241 | 0.013 | 0.05 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00859 | 0.00758 | 0.05 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00311 | 0.00695 | 0.04 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00471 | 0.00666 | 0.03 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00894 | 0.004 | 0.03 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 34.7 | — | — | 1 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 34.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 36 | — | — | 1 | µg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | 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-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 34 | — | — | 1 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 37.7 | — | — | 1 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 10.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 10.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 10.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 10.6 | — | — | 0.05 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 11.7 | — | — | 0.05 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.759 | 1.78 | 5.26 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -1.27 | 1.79 | 6.32 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 1.69 | 1.42 | 5 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.217 | 1.21 | 4.34 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -2.12 | 2 | 6.5 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.12 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.08 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 1.97 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 1.99 | — | — | 0.067 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.11 | — | — | 0.066 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.58 | — | — | 2 | µg/L | Y | J | J | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.5 | — | — | 2 | µg/L | Y | J | J | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.72 | — | — | 2 | µg/L | Y | J | J | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 8.06 | — | — | 2 | µg/L | Y | J | J | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 6.56 | — | — | 2 | µg/L | Y | J | J | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.775 | 1.54 | 5.8 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -1.04 | 1.6 | 5.85 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -1.49 | 1.2 | 4.14 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 1.44 | 1.26 | 5.46 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.722 | 1.5 | 4.6 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.214 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.156 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.191 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.187 | — | — | 0.033 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.221 | — | — | 0.033 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 1.02 | 0.696 | 2.29 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -1.41 | 0.52 | 2.98 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 1.69 | 0.713 | 1.71 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.416 | 0.566 | 2.27 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.8 | 0.74 | 2.6 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 2.66 | 0.751 | 2.31 | — | pCi/L | Y | — | NQ | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 3.18 | 0.712 | 1.79 | — | pCi/L | Y | — | NQ | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 1.68 | 0.861 | 2.79 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 2.47 | 0.913 | 2.83 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 1.11 | 0.69 | 2.3 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 44.1 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 42.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 44 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 42.8 | — | — | 0.453 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 46.9 | — | — | 0.45 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.07 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.94 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.1 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.94 | — | — | 0.11 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.3 | — | — | 0.11 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.948 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.935 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.17 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | 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-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.977 | — | — | 0.165 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.924 | — | — | 0.17 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 3.7 | 3.4 | 11.9 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -5.23 | 3.52 | 11.7 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -3.29 | 2.75 | 9.4 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 1.41 | 2.81 | 10.4 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -5.35 | 3 | 8.9 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.344 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.365 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.324 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.342 | — | — | 0.017 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.414 | — | — | 0.05 | mg/L | Y | — | J | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.26304 | — | — | — | permil | Y | — | NQ | 2015-245 | CAMO-15-90231 | EES6 |
| R-33 S2 | 1112.4 | 07/09/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.04098 | — | — | — | permil | N | — | NQ | 10-3633 | CAMO-10-22887 | EES6 |
| R-33 S2 | 1112.4 | 05/12/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.10695 | — | — | — | permil | N | — | NQ | 10-3155 | CAMO-10-16820 | EES6 |
| R-33 S2 | 1112.4 | 01/28/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.89 | — | — | — | permil | N | — | NQ | 10-1500 | CAMO-10-9365 | EES6 |
| R-33 S2 | 1112.4 | 11/06/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.51 | — | — | — | permil | N | — | NQ | 10-474 | CAMO-10-3213 | EES6 |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -4.4979 | — | — | — | permil | Y | — | NQ | 2015-245 | CAMO-15-90231 | EES6 |
| R-33 S2 | 1112.4 | 07/09/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.7327 | — | — | — | permil | N | — | NQ | 10-3633 | CAMO-10-22887 | EES6 |
| R-33 S2 | 1112.4 | 01/28/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.33 | — | — | — | permil | N | — | NQ | 10-1500 | CAMO-10-9365 | EES6 |
| R-33 S2 | 1112.4 | 11/06/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -5.14 | — | — | — | permil | N | — | NQ | 10-474 | CAMO-10-3213 | EES6 |
| R-33 S2 | 1112.4 | 08/14/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.33 | — | — | — | permil | N | — | NQ | 09-2887 | CAMO-09-9579 | EES6 |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.353 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.373 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.379 | — | — | 0.05 | µg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.372 | — | — | 0.05 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.369 | — | — | 0.05 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.00232 | 0.00401 | 0.03 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0 | 0.00473 | 0.03 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0 | 0.0043 | 0.03 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00286 | 0.00496 | 0.02 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.00203 | 0.0061 | 0.03 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00927 | 0.00983 | 0.05 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.01 | 0.01 | 0.07 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.00304 | 0.0125 | 0.04 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00286 | 0.0064 | 0.03 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00203 | 0.002 | 0.03 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 2.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 2.37 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 2.37 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 2.22 | — | — | 0.05 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 2.38 | — | — | 0.05 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 8.1 | 18.6 | 66.7 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -1.02 | 21.6 | 79.8 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 7.77 | 24.8 | 52.6 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 44.8 | 19.2 | 36.9 | — | pCi/L | Y | UI | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 23 | 20 | 75 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 78.3 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 80.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 80.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 76.4 | — | — | 0.053 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 82.7 | — | — | 0.053 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11.6 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | 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-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 11.1 | — | — | 0.1 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 11.3 | — | — | 0.1 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -2.38 | 1.53 | 4.94 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.44 | 1.91 | 6.47 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.03 | 1.12 | 3.99 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 0.0741 | 1.28 | 5.07 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -0.437 | 1.2 | 3.8 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 130 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 137 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 137 | — | — | 1 | µS/cm | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 140 | — | — | 1 | µS/cm | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 133 | — | — | 1 | µS/cm | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 49.6 | — | — | 1 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 49.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 48.3 | — | — | 1 | µg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 48.4 | — | — | 1 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 51 | — | — | 1 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.0537 | 0.113 | 0.41 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.162 | 0.144 | 0.49 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.173 | 0.105 | 0.35 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0577 | 0.109 | 0.44 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.246 | 0.15 | 0.49 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.35 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.32 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.21 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.29 | — | — | 0.133 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.43 | — | — | 0.1 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 150 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 149 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 117 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 141 | — | — | 3.4 | mg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 150 | — | — | 3.4 | mg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.043 | — | — | 0.017 | mg/L | Y | J | J | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.197 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0349 | — | — | 0.017 | mg/L | Y | J | J | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.061 | — | — | 0.017 | mg/L | Y | — | U | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.313 | — | — | 0.015 | mg/L | Y | — | J | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.05 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.901 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.1 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.997 | — | — | 0.067 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.859 | — | — | 0.067 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.657 | 0.0411 | 0.05 | — | pCi/L | Y | — | NQ | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.666 | 0.0456 | 0.06 | — | pCi/L | Y | — | NQ | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.544 | 0.0413 | 0.06 | — | pCi/L | Y | — | J | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.532 | 0.0404 | 0.07 | — | pCi/L | Y | — | NQ | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.596 | 0.055 | 0.06 | — | pCi/L | Y | — | NQ | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0181 | 0.0105 | 0.04 | — | pCi/L | Y | U | U | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0221 | 0.0104 | 0.04 | — | pCi/L | Y | U | U | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0188 | 0.0113 | 0.04 | — | pCi/L | Y | U | U | 2013-1128 | CAMO-13-37038 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0171 | 0.0103 | 0.05 | — | pCi/L | Y | U | U | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0327 | 0.012 | 0.03 | — | pCi/L | Y | U | U | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.279 | 0.0272 | 0.05 | — | pCi/L | Y | — | NQ | 2015-250 | CAMO-15-90214 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.281 | 0.0301 | 0.06 | — | pCi/L | Y | — | NQ | 2014-3714 | CAMO-14-81576 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.261 | 0.0292 | 0.05 | — | pCi/L | Y | — | J | 2013-1128 | CAMO-13-37038 | 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-33 S2 | 1112.4 | 08/21/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.294 | 0.0291 | 0.04 | — | pCi/L | Y | — | NQ | 12-1511 | CAMO-12-21789 | GELC |
| R-33 S2 | 1112.4 | 07/09/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.329 | 0.036 | 0.04 | — | pCi/L | Y | — | NQ | 10-3636 | CAMO-10-22885 | GELC |
| R-33 S2 | 1112.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 5.36 | — | — | 1 | µg/L | Y | — | NQ | 2015-250 | CAMO-15-90231 | GELC |
| R-33 S2 | 1112.4 | 07/09/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 5.28 | — | — | 1 | µg/L | Y | — | NQ | 2014-3714 | CAMO-14-81585 | GELC |
| R-33 S2 | 1112.4 | 07/11/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.24 | — | — | 1 | µg/L | Y | — | NQ | 2013-1128 | CAMO-13-37047 | GELC |
| R-33 S2 | 1112.4 | 08/21/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.22 | — | — | 1 | µg/L | Y | — | NQ | 12-1511 | CAMO-12-21798 | GELC |
| R-33 S2 | 1112.4 | 08/04/11 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.66 | — | — | 1 | µg/L | Y | — | NQ | 11-3044 | CAMO-11-24670 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8 | — | — | 0.01 | SU | Y | H | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.93 | — | — | 0.01 | SU | Y | H | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | 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 | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | 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 | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | 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 | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 107 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 104 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 102 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 103 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 104 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00658 | 0.00805 | 0.07 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 | 0.02 | — | 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:AM-241 | Americium-241 | Am-241 | N | -0.00654 | 0.0036 | 0.03 | — | 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 | 0.04 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-376 | CASA-10-3827 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 357 | — | — | 1 | µg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 346 | — | — | 1 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 380 | — | — | 1 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 351 | — | — | 1 | µg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 389 | — | — | 1 | µg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 37 | — | — | 15 | µg/L | Y | J | J | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 47.8 | — | — | 15 | µg/L | Y | J | J | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 40.7 | — | — | 15 | µg/L | Y | J | J | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 37.2 | — | — | 15 | µg/L | Y | J | J | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 33.6 | — | — | 15 | µg/L | Y | J | J | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 22 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 21.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 23.7 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 22.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 24 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -1.26 | 1.55 | 4.61 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.92 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.56 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.65 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.58 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.82 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.92 | — | — | 2 | µg/L | Y | J | J | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.09 | — | — | 2 | µg/L | Y | J | J | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 7.17 | — | — | 2 | µg/L | Y | J | J | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.2 | — | — | 2 | µg/L | Y | J | J | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 3.13 | — | — | 2 | µg/L | Y | J | J | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 1.02 | 1.58 | 5.9 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 |

**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 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.291 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.256 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.547 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.276 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.316 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.468 | 0.459 | 1.56 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 |
| 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 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 0.345 | 0.574 | 1.92 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 79.1 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 75.9 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 84.9 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 80.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 86.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Iron | Fe | Y | 35.4 | — | — | 30 | µg/L | Y | J | J | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Iron | Fe | N | 100 | — | — | 30 | µg/L | Y | U | U | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Iron | Fe | N | 100 | — | — | 30 | µg/L | Y | U | U | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Iron | Fe | N | 100 | — | — | 30 | µg/L | Y | U | U | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Iron | Fe | N | 100 | — | — | 30 | µg/L | Y | U | U | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 5.87 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 5.6 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 6.27 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 5.96 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 6.41 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.985 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1 | — | — | 0.165 | µg/L | Y | — | J | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.921 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | N | 1.08 | — | — | 0.165 | µg/L | Y | — | U | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.36 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 1.67 | 2.99 | 10.7 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 9.04 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 5.78 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 3.6 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 4.27 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 6.11 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.456 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | 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 | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.512 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.466 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.486 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.46046 | — | — | — | permil | Y | — | NQ | 2015-261 | CASA-15-90258 | EES6 |
| R-35a | 1013.1 | 07/07/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.86 | — | — | — | permil | N | — | NQ | 10-3608 | CASA-10-22662 | EES6 |
| R-35a | 1013.1 | 08/03/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | N | 3.71 | — | — | 0.001 | permil | N | U | U | 09-2765 | CASA-09-10390 | EES6 |

**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 | 04/28/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.77 | — | — | 0.01 | permil | N | — | NQ | 09-1640 | CASA-09-8304 | EES6 |
| R-35a | 1013.1 | 02/04/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 2.66 | — | — | — | permil | N | — | NQ | 09-808 | CASA-09-3014 | EES6 |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.69805 | — | — | — | permil | Y | — | NQ | 2015-261 | CASA-15-90258 | EES6 |
| R-35a | 1013.1 | 07/07/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.92249 | — | — | — | permil | N | — | NQ | 10-3608 | CASA-10-22662 | EES6 |
| R-35a | 1013.1 | 08/03/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.83 | — | — | — | permil | N | — | NQ | 09-2765 | CASA-09-10390 | EES6 |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.412 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.421 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.426 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.427 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.421 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0 | 0.00389 | 0.04 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 | 0.02 | — | 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-238 | Pu-238 | N | -0.00168 | 0.0024 | 0.02 | — | 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 | 0.05 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-376 | CASA-10-3827 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00549 | 0.00673 | 0.05 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 | 0.04 | — | 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 | 0.02 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-376 | CASA-10-3827 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 4.05 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 3.81 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 4.09 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 3.84 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 4.22 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -8.84 | 18.5 | 68.1 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 81.3 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 77.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 87.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 80.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 86.8 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 17.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 15.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 18.6 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 18.2 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 18.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.26 | 1.42 | 4.98 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 228 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 239 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 238 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 239 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 236 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 173 | — | — | 1 | µg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 163 | — | — | 1 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 182 | — | — | 1 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 176 | — | — | 1 | µg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 190 | — | — | 1 | µg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | 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 | 11/10/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.194 | 0.12 | 0.48 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 | 0.48 | — | 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 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.7 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.57 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.77 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.67 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.85 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 201 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 230 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 207 | — | — | 3.4 | mg/L | Y | — | J | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 173 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 173 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.466 | — | — | 0.33 | mg/L | Y | J | J- | 2015-264 | CASA-15-90250 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.563 | — | — | 0.33 | mg/L | Y | J | J | 2014-3938 | CASA-14-81517 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.496 | — | — | 0.33 | mg/L | Y | J | J | 2014-3396 | CASA-14-75525 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.355 | — | — | 0.33 | mg/L | Y | J | J | 2014-2786 | CASA-14-49688 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.634 | — | — | 0.33 | mg/L | Y | J | J | 2014-2458 | CASA-14-45705 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.643 | 0.628 | 2.07 | — | pCi/L | Y | U | U | 2015-311 | CASA-15-90250 | ARSL |
| R-35a | 1013.1 | 11/13/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.556 | 0.631 | 2.09 | — | pCi/L | Y | U | U | 2014-2522 | CASA-14-45705 | ARSL |
| R-35a | 1013.1 | 11/13/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | -0.723 | 0.667 | 2.3 | — | 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 | 2.61 | — | pCi/L | Y | U | U | 11-2519 | CASA-11-10813 | ARSL |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.635 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.632 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.645 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.653 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.689 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.452 | 0.0351 | 0.05 | — | pCi/L | Y | — | NQ | 2015-264 | CASA-15-90250 | 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 | 0.06 | — | 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 | 0.07 | — | 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 | 0.08 | — | 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 | 0.06 | — | pCi/L | Y | — | NQ | 10-376 | CASA-10-3827 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 1.08E-09 | 0.00796 | 0.05 | — | pCi/L | Y | U | U | 2015-264 | CASA-15-90250 | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-376 | CASA-10-3827 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.244 | 0.0259 | 0.05 | — | pCi/L | Y | — | NQ | 2015-264 | CASA-15-90250 | 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 | 0.04 | — | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.04 | — | pCi/L | Y | — | NQ | 10-376 | CASA-10-3827 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 16.3 | — | — | 1 | µg/L | Y | — | NQ | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 16 | — | — | 1 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 18.2 | — | — | 1 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 17 | — | — | 1 | µg/L | Y | — | NQ | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 19.2 | — | — | 1 | µg/L | Y | — | NQ | 2014-2458 | CASA-14-45713 | GELC |
| R-35a | 1013.1 | 11/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 5.9 | — | — | 3.3 | µg/L | Y | J | J | 2015-264 | CASA-15-90258 | GELC |
| R-35a | 1013.1 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3938 | CASA-14-81523 | GELC |
| R-35a | 1013.1 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3396 | CASA-14-75533 | GELC |
| R-35a | 1013.1 | 01/16/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2786 | CASA-14-49694 | GELC |
| R-35a | 1013.1 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 3.48 | — | — | 3.3 | µg/L | Y | J | J | 2014-2458 | CASA-14-45713 | 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 | 11/06/14 | 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 | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.61 | — | — | 0.01 | SU | Y | H | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.69 | — | — | 0.01 | SU | Y | H | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | 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 | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.81 | — | — | 0.01 | SU | Y | H | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 73.5 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 71.7 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 69.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 72.5 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 72.7 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | -0.00262 | 0.0131 | 0.05 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-335 | CASA-10-3830 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0223 | — | — | 0.017 | mg/L | Y | J | J | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0224 | — | — | 0.017 | mg/L | Y | J | J | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0201 | — | — | 0.017 | mg/L | Y | J | J | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0354 | — | — | 0.017 | mg/L | Y | J | J | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0215 | — | — | 0.017 | mg/L | Y | J | J | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 2.82 | — | — | 1.7 | µg/L | Y | J | J | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 2.95 | — | — | 1.7 | µg/L | Y | J | J | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 1.82 | — | — | 1.7 | µg/L | Y | J | J | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 37.8 | — | — | 1 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 36.2 | — | — | 1 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 38.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 36.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 41 | — | — | 1 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 22.2 | — | — | 15 | µg/L | Y | J | J | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 33.9 | — | — | 15 | µg/L | Y | J | J | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 24.3 | — | — | 15 | µg/L | Y | J | J | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 20.3 | — | — | 15 | µg/L | Y | J | J | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 18.5 | — | — | 15 | µg/L | Y | J | J | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 15.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 14.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 15.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 14.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 16 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 1.81 | 1.38 | 5.34 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3.06 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.85 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.93 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.71 | — | — | 2 | µg/L | Y | J | J | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.75 | — | — | 2 | µg/L | Y | J | J | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.33 | — | — | 2 | µg/L | Y | J | J | 2014-3363 | CASA-14-75534 | 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 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.43 | — | — | 2 | µg/L | Y | J | J | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 3.55 | — | — | 2 | µg/L | Y | J | J | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.506 | 1.35 | 5.21 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 |
| 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 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.506 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.404 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.459 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.456 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.506 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 1.09 | 0.86 | 2.92 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 | 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 | 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 | 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 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | -2.25 | 0.754 | 2.95 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 | 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 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 58.9 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 55.7 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 58.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 55.8 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 61.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 5.05 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.71 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 5.05 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.74 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 5.18 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.17 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.25 | — | — | 0.165 | µg/L | Y | — | J | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.31 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.36 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.72 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 2.69 | 2.62 | 9.61 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.54 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.11 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.4 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.41 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 3.07 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.16 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.3 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.26 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.38 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | 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 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.25 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.18404 | — | — | — | permil | Y | — | NQ | 2015-246 | CASA-15-90259 | EES6 |
| R-35b | 825.4 | 07/13/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.8798 | — | — | — | permil | N | — | NQ | 10-3677 | CASA-10-22664 | EES6 |
| R-35b | 825.4 | 11/03/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.69 | — | — | — | permil | N | — | NQ | 10-334 | CASA-10-3831 | EES6 |
| R-35b | 825.4 | 08/04/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | N | 4.27 | — | — | 0.001 | permil | N | U | U | 09-2776 | CASA-09-10394 | EES6 |
| R-35b | 825.4 | 04/27/09 | WG | F | INIT | FD | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.83 | — | — | 0.01 | permil | N | — | NQ | 09-1621 | CASA-09-8425 | EES6 |
| R-35b | 825.4 | 04/27/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.47 | — | — | 0.001 | permil | N | — | NQ | 09-1621 | CASA-09-8307 | EES6 |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.94155 | — | — | — | permil | Y | — | NQ | 2015-246 | CASA-15-90259 | EES6 |
| R-35b | 825.4 | 07/13/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.83074 | — | — | — | permil | N | — | NQ | 10-3677 | CASA-10-22664 | EES6 |
| R-35b | 825.4 | 11/03/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3 | — | — | — | permil | N | — | NQ | 10-334 | CASA-10-3831 | EES6 |
| R-35b | 825.4 | 08/04/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.14 | — | — | — | permil | N | — | NQ | 09-2776 | CASA-09-10394 | EES6 |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.586 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.565 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.523 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.556 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.56 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.00273 | 0.00611 | 0.04 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.05 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-335 | CASA-10-3830 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00273 | 0.0082 | 0.05 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 | 0.05 | — | 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:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00469 | 0.0047 | 0.03 | — | 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:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0 | 0.0026 | 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:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.000826 | 0.0036 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-335 | CASA-10-3830 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.94 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.89 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 2.02 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.81 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.98 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 32.7 | 17.1 | 51 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 | 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 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 74.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 71.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 78 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 71.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 77.9 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 11.2 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 1.15 | 1.31 | 5.24 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 |

**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 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 150 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 168 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 171 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 171 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 170 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 66.3 | — | — | 1 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 61.4 | — | — | 1 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 65.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 65.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 69.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.0734 | 0.133 | 0.47 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 | 0.5 | — | pCi/L | Y | U | U | 2013-321 | CASA-13-24211 | 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 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.8 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.58 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.54 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.75 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.76 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 150 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | RE | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 160 | — | — | 3.4 | mg/L | Y | H | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 220 | — | — | 3.4 | mg/L | N | — | R | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 157 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 143 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 137 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 1.31 | 0.754 | 2.39 | — | pCi/L | Y | U | U | 2015-311 | CASA-15-90251 | ARSL |
| R-35b | 825.4 | 11/13/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.21 | 0.632 | 2.13 | — | pCi/L | Y | U | U | 2014-2522 | CASA-14-45706 | ARSL |
| R-35b | 825.4 | 11/14/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | -0.311 | 0.847 | 2.91 | — | 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 | 2.8 | — | pCi/L | Y | U | U | 11-2593 | CASA-11-10815 | ARSL |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.296 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.314 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.323 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.344 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.327 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.244 | 0.0368 | 0.08 | — | pCi/L | Y | — | NQ | 2015-251 | CASA-15-90251 | 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 | 0.07 | — | 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 | 0.07 | — | 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 | 0.07 | — | 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 | 0.08 | — | 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 | 0.09 | — | pCi/L | Y | — | NQ | 10-335 | CASA-10-3830 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | -0.0247 | 0.0148 | 0.07 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90251 | 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 | 0.04 | — | 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 | 0.07 | — | 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:ISOU | Uranium-235/236 | U-235/236 | N | 0 | 0.0046 | 0.05 | — | pCi/L | Y | U | U | 10-335 | CASA-10-3830 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.116 | 0.0256 | 0.08 | — | pCi/L | Y | — | NQ | 2015-251 | CASA-15-90251 | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.06 | — | 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 | 0.06 | — | pCi/L | Y | — | NQ | 10-335 | CASA-10-3830 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 13.6 | — | — | 1 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 13 | — | — | 1 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 13.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 13 | — | — | 1 | µg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 14.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-35b | 825.4 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 17.8 | — | — | 3.3 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90259 | GELC |
| R-35b | 825.4 | 07/18/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 15.5 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-3938 | CASA-14-81524 | GELC |
| R-35b | 825.4 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 20.2 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-3363 | CASA-14-75534 | GELC |
| R-35b | 825.4 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 23.4 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-2783 | CASA-14-49695 | GELC |
| R-35b | 825.4 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 33.6 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45714 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.59 | — | — | 0.01 | SU | Y | H | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | 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 | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.71 | — | — | 0.01 | SU | Y | H | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.41 | — | — | 0.01 | SU | Y | H | NQ | 2013-868 | CASA-13-30553 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 69.3 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 66.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 68.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 89.8 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0 | 0.0061 | 0.05 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-1644 | CASA-10-9493 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0306 | — | — | 0.017 | mg/L | Y | J | J | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.05 | — | — | 0.017 | mg/L | Y | U | U | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0437 | — | — | 0.017 | mg/L | Y | J | J | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0994 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 3.65 | — | — | 1.7 | µg/L | Y | J | J | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 1.98 | — | — | 1.7 | µg/L | Y | J | J | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 2.61 | — | — | 1.7 | µg/L | Y | J | J | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-868 | CASA-13-30553 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-322 | CASA-13-24220 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-322 | CASA-13-24207 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 32.6 | — | — | 1 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 33.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 36.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 36.2 | — | — | 1 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 33.9 | — | — | 1 | µg/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 | µg/L | Y | — | NQ | 2013-322 | CASA-13-24207 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 22.4 | — | — | 15 | µg/L | Y | J | J | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 24.7 | — | — | 15 | µg/L | Y | J | J | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 17.4 | — | — | 15 | µg/L | Y | J | J | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 15.2 | — | — | 15 | µg/L | Y | J | J | 2013-868 | CASA-13-30553 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 22.2 | — | — | 15 | µg/L | Y | J | J | 2013-322 | CASA-13-24220 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Boron | B | Y | 21.7 | — | — | 15 | µg/L | Y | J | J | 2013-322 | CASA-13-24207 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0937 | — | — | 0.067 | mg/L | Y | J | J | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0899 | — | — | 0.067 | mg/L | Y | J | J | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0939 | — | — | 0.067 | mg/L | Y | J | J | 2014-2462 | CASA-14-45715 | 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 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.101 | — | — | 0.067 | mg/L | Y | J | J | 2013-868 | CASA-13-30553 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 17.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 17.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 18.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 18.7 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 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 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -1.26 | 1.51 | 4.6 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.46 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.27 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.4 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.27 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 6.73 | — | — | 2 | µg/L | Y | J | J | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 6.4 | — | — | 2 | µg/L | Y | J | J | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.31 | — | — | 2 | µg/L | Y | J | J | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.09 | — | — | 2 | µg/L | Y | J | J | 2013-868 | CASA-13-30553 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.63 | — | — | 2 | µg/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 | Chromium | Cr | Y | 5.78 | — | — | 2 | µg/L | Y | J | J | 2013-322 | CASA-13-24207 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -1.78 | 1.3 | 4.56 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.532 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.742 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.534 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.542 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | GELC |
| 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 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.107 | 0.683 | 2.81 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 1.07 | 0.624 | 1.97 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 60.3 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 60.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 64.5 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 64.5 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Lead | Pb | Y | 0.841 | — | — | 0.5 | µg/L | Y | J | J | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Lead | Pb | N | 2 | — | — | 0.5 | µg/L | Y | U | U | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Lead | Pb | N | 2 | — | — | 0.5 | µg/L | Y | U | U | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Lead | Pb | N | 2 | — | — | 0.5 | µg/L | Y | U | U | 2013-868 | CASA-13-30553 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Lead | Pb | N | 2 | — | — | 0.5 | µg/L | Y | U | U | 2013-322 | CASA-13-24220 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Lead | Pb | N | 2 | — | — | 0.5 | µg/L | Y | U | U | 2013-322 | CASA-13-24207 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.12 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.24 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.41 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.3 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.73 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.95 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 2.26 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.73 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.78 | — | — | 0.165 | µg/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 | µg/L | Y | — | NQ | 2013-322 | CASA-13-24207 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -2.19 | 2.66 | 8.9 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.4 | — | — | 0.5 | µg/L | Y | J | J | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.7 | — | — | 0.5 | µg/L | Y | J | J | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.04 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.87 | — | — | 0.5 | µg/L | Y | J | J | 2013-868 | CASA-13-30553 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.62 | — | — | 0.5 | µg/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 | µg/L | Y | J | J | 2013-322 | CASA-13-24207 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.4 | — | — | 0.085 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.78 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.55 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.41 | — | — | 0.085 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 6.77121 | — | — | — | permil | Y | — | NQ | 2015-246 | CASA-15-90260 | EES6 |
| R-36 | 766.9 | 07/12/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 6.64624 | — | — | — | permil | N | — | NQ | 10-3648 | CASA-10-22703 | EES6 |
| R-36 | 766.9 | 05/12/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 6.81878 | — | — | — | permil | N | — | NQ | 10-3150 | CASA-10-16792 | EES6 |
| R-36 | 766.9 | 02/04/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 6.08 | — | — | — | permil | N | — | NQ | 10-1641 | CASA-10-9494 | EES6 |
| R-36 | 766.9 | 08/05/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | N | 5.66 | — | — | 0.001 | permil | N | U | U | 09-2788 | CASA-09-10377 | EES6 |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.73794 | — | — | — | permil | Y | — | NQ | 2015-246 | CASA-15-90260 | EES6 |
| R-36 | 766.9 | 07/12/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.3928 | — | — | — | permil | N | — | NQ | 10-3648 | CASA-10-22703 | EES6 |
| R-36 | 766.9 | 02/04/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.35 | — | — | — | permil | N | — | NQ | 10-1641 | CASA-10-9494 | EES6 |
| R-36 | 766.9 | 08/05/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -5.73 | — | — | — | permil | N | — | NQ | 09-2788 | CASA-09-10377 | EES6 |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 1.43 | — | — | 0.2 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 1.42 | — | — | 0.1 | µg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 1.51 | — | — | 0.1 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | 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 | µg/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 | µg/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 | µg/L | Y | — | NQ | 12-1325 | CASA-12-17138 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00669 | 0.0082 | 0.04 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 0.03 | — | pCi/L | Y | U | U | 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 | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0 | 0.00382 | 0.03 | — | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-1644 | CASA-10-9493 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.0134 | 0.0157 | 0.07 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 10-1644 | CASA-10-9493 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.97 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 2 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 2.05 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 2.19 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 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 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 26.5 | 14.4 | 44.6 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 67.8 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 70.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 72.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 75.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 13.7 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 14.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 14.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 14.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.43 | 1.16 | 4.2 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 171 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 191 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 188 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 196 | — | — | 1 | µS/cm | Y | — | NQ | 2013-868 | CASA-13-30553 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 192 | — | — | 1 | µS/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 | µS/cm | Y | — | NQ | 2013-322 | CASA-13-24207 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 66.9 | — | — | 1 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 66.4 | — | — | 1 | µg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 71.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 72.4 | — | — | 1 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 70.9 | — | — | 1 | µg/L | Y | — | NQ | 2013-322 | CASA-13-24220 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 70.2 | — | — | 1 | µg/L | Y | — | NQ | 2013-322 | CASA-13-24207 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0229 | 0.0666 | 0.23 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 0.48 | — | 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 | 0.48 | — | pCi/L | Y | U | U | 2013-322 | CASA-13-24206 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 7.37 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 7.28 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 7.35 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 7.27 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 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 | 11/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 154 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 153 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 141 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 149 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | 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 | 11/06/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.451 | — | — | 0.33 | mg/L | Y | J | J | 2015-251 | CASA-15-90252 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.708 | — | — | 0.33 | mg/L | Y | J | J | 2014-3354 | CASA-14-75527 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.583 | — | — | 0.33 | mg/L | Y | J | J | 2014-2462 | CASA-14-45707 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.722 | — | — | 0.33 | mg/L | Y | J | J | 2013-868 | CASA-13-30545 | 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 | 11/06/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 16.052 | 2.604 | 2.36 | — | pCi/L | Y | — | NQ | 2015-311 | CASA-15-90252 | ARSL |
| R-36 | 766.9 | 11/13/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 10.265 | 1.717 | 1.95 | — | pCi/L | Y | — | J- | 2014-2522 | CASA-14-45707 | ARSL |
| R-36 | 766.9 | 11/14/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 12.281 | 2.075 | 2.55 | — | 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 | 2.64 | — | 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 | 2.87 | — | pCi/L | Y | — | J | 11-2626 | CASA-11-10816 | ARSL |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.31 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.344 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.308 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.276 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.298 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-322 | CASA-13-24220 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.301 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-322 | CASA-13-24207 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.245 | 0.0303 | 0.07 | — | pCi/L | Y | — | NQ | 2015-251 | CASA-15-90252 | 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 | 0.06 | — | 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 | 0.06 | — | 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 | 0.03 | — | 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 | 0.08 | — | pCi/L | Y | — | NQ | 10-1644 | CASA-10-9493 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0399 | 0.0138 | 0.06 | — | pCi/L | Y | U | U | 2015-251 | CASA-15-90252 | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.07 | — | 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 | 0.03 | — | 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 | 0.05 | — | pCi/L | Y | U | U | 10-1644 | CASA-10-9493 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.0967 | 0.0209 | 0.06 | — | pCi/L | Y | — | NQ | 2015-251 | CASA-15-90252 | 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 | 0.04 | — | 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-238 | U-238 | Y | 0.0986 | 0.0178 | 0.04 | — | 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-238 | U-238 | Y | 0.119 | 0.025 | 0.08 | — | 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 | 0.03 | — | 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 | 0.05 | — | pCi/L | Y | — | NQ | 10-1644 | CASA-10-9493 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 14.2 | — | — | 1 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 14.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 15.4 | — | — | 1 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 15.6 | — | — | 1 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | 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 | µg/L | Y | — | NQ | 2013-322 | CASA-13-24220 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 14.3 | — | — | 1 | µg/L | Y | — | NQ | 2013-322 | CASA-13-24207 | GELC |
| R-36 | 766.9 | 11/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 48.1 | — | — | 3.3 | µg/L | Y | — | NQ | 2015-251 | CASA-15-90260 | GELC |
| R-36 | 766.9 | 05/06/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 46.9 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-3354 | CASA-14-75535 | GELC |
| R-36 | 766.9 | 11/13/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 55.4 | — | — | 3.3 | µg/L | Y | — | NQ | 2014-2462 | CASA-14-45715 | GELC |
| R-36 | 766.9 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 58.4 | — | — | 3.3 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30553 | GELC |
| R-36 | 766.9 | 11/14/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 53.5 | — | — | 3.3 | µg/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 | µg/L | Y | — | NQ | 2013-322 | CASA-13-24207 | GELC |
| R-42 | 931.8 | 11/14/14 | 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 | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | 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 | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.93 | — | — | 0.01 | SU | Y | H | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.63 | — | — | 0.01 | SU | Y | H | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | 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 | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.81 | — | — | 0.01 | SU | Y | H | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 67.6 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 66.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 67.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 62.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 66.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 65.3 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00523 | 0.0074 | 0.05 | — | pCi/L | Y | U | U | 2015-326 | CAMO-15-90215 | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3176 | CAMO-10-16822 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 96.7 | — | — | 1 | µg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 94.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 97.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 90.1 | — | — | 1 | µg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 95 | — | — | 1 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 96.5 | — | — | 1 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 16.8 | — | — | 15 | µg/L | Y | J | J | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 17.4 | — | — | 15 | µg/L | Y | J | J | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 20.1 | — | — | 15 | µg/L | Y | J | J | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Boron | B | Y | 21.6 | — | — | 15 | µg/L | Y | J | J | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.285 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.364 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.24 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.206 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.194 | — | — | 0.067 | mg/L | Y | J | J | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.26 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 54.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 51.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 52.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 51.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 52.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 53.7 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 3.04 | 1.34 | 4.88 | — | pCi/L | Y | U | U | 2015-326 | CAMO-15-90215 | 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 |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 48.3 | — | — | 0.67 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | 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 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 47.5 | — | — | 0.67 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 43.9 | — | — | 0.67 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 41.1 | — | — | 0.67 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 41.5 | — | — | 0.335 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 41.3 | — | — | 0.335 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 908 | — | — | 2 | µg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 972 | — | — | 2 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 890 | — | — | 2 | µg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 932 | — | — | 2 | µg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 1040 | — | — | 40 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 1070 | — | — | 40 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.607 | 1.51 | 5.98 | — | pCi/L | Y | U | U | 2015-326 | CAMO-15-90215 | 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 | 11/14/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.0076 | — | — | 0.0017 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90215 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00657 | — | — | 0.0017 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-83998 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00814 | — | — | 0.0017 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45749 | GELC |
| R-42 | 931.8 | 11/10/11 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00504 | — | — | 0.0015 | mg/L | Y | — | NQ | 12-323 | CAMO-12-1491 | GELC |
| R-42 | 931.8 | 08/02/11 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00361 | — | — | 0.0015 | mg/L | Y | J | J | 11-3009 | CAMO-11-24639 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.262 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.228 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.258 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.244 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.232 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.234 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -1.11 | 0.654 | 2.96 | — | pCi/L | Y | U | U | 2015-326 | CAMO-15-90215 | 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 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 1.96 | 0.445 | 1.39 | — | pCi/L | Y | — | NQ | 2015-326 | CAMO-15-90215 | 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 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 198 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 186 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 192 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 188 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 194 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 197 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 15 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 14.2 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 14.7 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 14.3 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 15.1 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 15.2 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.574 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.561 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | N | 0.596 | — | — | 0.165 | µg/L | Y | — | U | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.523 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.543 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.547 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | 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 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -2.6 | 2.35 | 8.15 | — | pCi/L | Y | U | U | 2015-326 | CAMO-15-90215 | 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 |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 26.7 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 28 | — | — | 0.5 | µg/L | Y | — | J | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 18.8 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 24.3 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 23.4 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 24.4 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.45 | — | — | 0.17 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 6.67 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.75 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.65 | — | — | 0.17 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.44 | — | — | 0.17 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.34 | — | — | 0.17 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 10.4028 | — | — | — | permil | Y | — | NQ | 2015-324 | CAMO-15-90232 | EES6 |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 10.13 | — | — | — | permil | Y | — | NQ | 2014-2415 | CAMO-14-45765 | EES6 |
| R-42 | 931.8 | 11/10/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 10.66 | — | — | — | permil | N | — | NQ | 12-327 | CAMO-12-1490 | EES6 |
| R-42 | 931.8 | 07/13/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 10.55 | — | — | — | permil | N | — | NQ | 10-3664 | CAMO-10-22893 | EES6 |
| R-42 | 931.8 | 02/10/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 11.38 | — | — | — | permil | N | — | NQ | 10-1803 | CAMO-10-9355 | EES6 |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 0.25732 | — | — | — | permil | Y | — | NQ | 2015-324 | CAMO-15-90232 | EES6 |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.64 | — | — | — | permil | Y | — | NQ | 2014-2415 | CAMO-14-45765 | EES6 |
| R-42 | 931.8 | 11/10/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 0.2 | — | — | — | permil | N | — | NQ | 12-327 | CAMO-12-1490 | EES6 |
| R-42 | 931.8 | 07/13/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.73248 | — | — | — | permil | N | — | NQ | 10-3664 | CAMO-10-22893 | EES6 |
| R-42 | 931.8 | 05/13/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.62251 | — | — | — | permil | N | — | NQ | 10-3173 | CAMO-10-16821 | EES6 |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 1.3 | — | — | 0.1 | µg/L | Y | — | J | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 1.08 | — | — | 0.1 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 1.15 | — | — | 0.1 | µg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 1.26 | — | — | 0.1 | µg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 1.23 | — | — | 0.2 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 1.25 | — | — | 0.2 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00334 | 0.00578 | 0.04 | — | pCi/L | Y | U | U | 2015-326 | CAMO-15-90215 | 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 | 0.03 | — | 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 | 0.02 | — | 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 | 0.03 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 10-3176 | CAMO-10-16822 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.0167 | 0.01 | 0.07 | — | pCi/L | Y | U | U | 2015-326 | CAMO-15-90215 | 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 | 0.06 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3176 | CAMO-10-16822 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 2.49 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 2.24 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 2.32 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 2.42 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 2.51 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Potassium | K | Y | 2.57 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 9.65 | 18.1 | 72.2 | — | pCi/L | Y | U | U | 2015-326 | CAMO-15-90215 | 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 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 71.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | 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 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 77.6 | — | — | 0.53 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 72.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 71.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 74.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 76.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 17.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 16.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 16.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 17 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 17.5 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Sodium | Na | Y | 17.8 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 2.09 | 1.58 | 6.09 | — | pCi/L | Y | U | U | 2015-326 | CAMO-15-90215 | 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 |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 497 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 500 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 486 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 504 | — | — | 1 | µS/cm | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 484 | — | — | 1 | µS/cm | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 483 | — | — | 1 | µS/cm | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 211 | — | — | 1 | µg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 198 | — | — | 1 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 203 | — | — | 1 | µg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 206 | — | — | 1 | µg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 203 | — | — | 1 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 206 | — | — | 1 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.274 | 0.102 | 0.49 | — | pCi/L | Y | U | U | 2015-326 | CAMO-15-90215 | 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 | 0.48 | — | 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 | 0.48 | — | 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 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 83.2 | — | — | 1.33 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 81.1 | — | — | 1.33 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 78.8 | — | — | 1.33 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 75 | — | — | 1.33 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 76.2 | — | — | 0.665 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 76 | — | — | 0.665 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 180 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 317 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 347 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 321 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 317 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 307 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.492 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-326 | CAMO-15-90215 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.164 | — | — | 0.033 | mg/L | Y | — | U | 2014-3700 | CAMO-14-83998 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.185 | — | — | 0.033 | mg/L | Y | — | U | 2014-2424 | CAMO-14-45749 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.109 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30577 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.1 | — | — | 0.033 | mg/L | Y | U | U | 2013-502 | CAMO-13-28409 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | UF | INIT | FD | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.0671 | — | — | 0.033 | mg/L | Y | J | U | 2013-502 | CAMO-13-28405 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.831 | — | — | 0.33 | mg/L | Y | J | J | 2015-326 | CAMO-15-90215 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.631 | — | — | 0.33 | mg/L | Y | J | J | 2014-3700 | CAMO-14-83998 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.914 | — | — | 0.33 | mg/L | Y | J | J | 2014-2424 | CAMO-14-45749 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.02 | — | — | 0.33 | mg/L | Y | — | NQ | 2013-808 | CAMO-13-30577 | 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 | 02/01/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.918 | — | — | 0.33 | mg/L | Y | J | J | 2013-502 | CAMO-13-28409 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.904 | — | — | 0.33 | mg/L | Y | J | J | 2013-502 | CAMO-13-28405 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:906.0 | Tritium | H-3 | Y | 201 | 64.7 | 197 | — | pCi/L | Y | — | NQ | 2015-326 | CAMO-15-90215 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | UF | INIT | REG | RAD | EPA:906.0 | Tritium | H-3 | N | 161 | 59.6 | 186 | — | pCi/L | Y | U | U | 2014-2424 | CAMO-14-45749 | 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 | 2.93 | — | pCi/L | Y | — | NQ | 11-2581 | CAMO-11-10717 | ARSL |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.971 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.1 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.03 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.864 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.831 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.871 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.797 | 0.044 | 0.05 | — | pCi/L | Y | — | J | 2015-326 | CAMO-15-90215 | 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 | 0.07 | — | 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 | 0.06 | — | 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 | 0.06 | — | 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 | 0.04 | — | pCi/L | Y | — | NQ | 10-3176 | CAMO-10-16822 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0205 | 0.0088 | 0.04 | — | pCi/L | Y | U | U | 2015-326 | CAMO-15-90215 | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.04 | — | 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:ISOU | Uranium-235/236 | U-235/236 | N | 0.0168 | 0.008 | 0.03 | — | pCi/L | Y | U | U | 10-3176 | CAMO-10-16822 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.28 | 0.0264 | 0.05 | — | pCi/L | Y | — | J | 2015-326 | CAMO-15-90215 | 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 | 0.05 | — | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.03 | — | pCi/L | Y | — | NQ | 10-3176 | CAMO-10-16822 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.11 | — | — | 1 | µg/L | Y | J | J | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.78 | — | — | 1 | µg/L | Y | J | J | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.08 | — | — | 1 | µg/L | Y | — | NQ | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 4.6 | — | — | 1 | µg/L | Y | J | J | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 9.39 | — | — | 1 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 9.79 | — | — | 1 | µg/L | Y | — | NQ | 2013-502 | CAMO-13-28406 | GELC |
| R-42 | 931.8 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 5.13 | — | — | 3.3 | µg/L | Y | J | J | 2015-326 | CAMO-15-90232 | GELC |
| R-42 | 931.8 | 07/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3700 | CAMO-14-84009 | GELC |
| R-42 | 931.8 | 11/07/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 4.5 | — | — | 3.3 | µg/L | Y | J | J | 2014-2424 | CAMO-14-45765 | GELC |
| R-42 | 931.8 | 05/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 7 | — | — | 3.3 | µg/L | Y | J | J | 2013-808 | CAMO-13-30593 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 4.86 | — | — | 3.3 | µg/L | Y | J | J | 2013-502 | CAMO-13-28417 | GELC |
| R-42 | 931.8 | 02/01/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 4.91 | — | — | 3.3 | µg/L | Y | J | J | 2013-502 | CAMO-13-28406 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | 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 | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | 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 | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.51 | — | — | 0.01 | SU | Y | H | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | 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 | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | 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 | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.89 | — | — | 0.01 | SU | Y | H | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 6.21 | — | — | 0.01 | SU | Y | H | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 40.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 40.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 40.6 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 40.8 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 41.5 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 41.5 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | N | 1 | — | — | 0.725 | mg/L | Y | U | U | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.011 | 0.00728 | 0.05 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 | 11/07/12 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.0062 | 0.00677 | 0.03 | — | 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 | 0.04 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 10-3107 | CASA-10-16795 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 23.7 | — | — | 1 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 22.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Barium | Ba | Y | 22.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 22.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 22.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 22.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 22.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 18.4 | — | — | 15 | µg/L | Y | J | J | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 16.2 | — | — | 15 | µg/L | Y | J | J | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.103 | — | — | 0.067 | mg/L | Y | J | J | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.102 | — | — | 0.067 | mg/L | Y | J | J | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.104 | — | — | 0.067 | mg/L | Y | J | J | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.107 | — | — | 0.067 | mg/L | Y | J | J | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 18.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 17.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 17.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 17.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 16.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 16.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 16.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -2.89 | 1.72 | 5.7 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 7.83 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.84 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.92 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 7.3 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.98 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.96 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 7.31 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 106 | — | — | 2 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 78.8 | — | — | 2 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 75.2 | — | — | 2 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 74 | — | — | 2 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 72.7 | — | — | 2 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 70.5 | — | — | 2 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 69.9 | — | — | 2 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -1.66 | 1.43 | 4.92 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 |

**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 | 05/10/10 | 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 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.356 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.294 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.307 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.193 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.356 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.347 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.381 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.419 | 0.263 | 1.03 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 0.306 | 0.801 | 2.88 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 64.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 60.8 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 59.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 57.9 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 57.7 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 57.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 57.8 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.18 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 57.8 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.18 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.89 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.62 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.78 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.76 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.79 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.07 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.17 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.12 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.07 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.15 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.19 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | N | 1.62 | — | — | 0.165 | µg/L | Y | — | U | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -3.57 | 3.18 | 10.8 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.05 | — | — | 0.5 | µg/L | Y | J | J | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.664 | — | — | 0.5 | µg/L | Y | J | J | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.655 | — | — | 0.5 | µg/L | Y | J | J | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 3.44 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 3.27 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 3.11 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.24 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.33 | — | — | 0.17 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.18 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.01 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.32 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | 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 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.5 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.15 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 5.5 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.86766 | — | — | — | permil | Y | — | NQ | 2015-412 | CASA-15-90261 | EES6 |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.23 | — | — | — | permil | Y | — | NQ | 2014-2513 | CASA-14-45716 | EES6 |
| R-43 S1 | 903.9 | 11/07/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 6.14854 | — | — | — | permil | Y | — | NQ | 2013-290 | CASA-13-24373 | EES6 |
| R-43 S1 | 903.9 | 11/07/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.72978 | — | — | — | permil | N | — | NQ | 2013-290 | CASA-13-24373 | EES6 |
| R-43 S1 | 903.9 | 05/22/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.07151 | — | — | — | permil | Y | — | NQ | 12-1313 | CASA-12-14081 | EES6 |
| R-43 S1 | 903.9 | 05/22/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.90428 | — | — | — | permil | N | — | NQ | 12-1313 | CASA-12-14081 | EES6 |
| R-43 S1 | 903.9 | 11/15/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.22 | — | — | — | permil | N | — | NQ | 12-344 | CASA-12-1393 | EES6 |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.94764 | — | — | — | permil | Y | — | NQ | 2015-412 | CASA-15-90261 | EES6 |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.61 | — | — | — | permil | Y | — | NQ | 2014-2513 | CASA-14-45716 | EES6 |
| R-43 S1 | 903.9 | 11/07/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 0.00532 | — | — | — | permil | Y | — | NQ | 2013-290 | CASA-13-24373 | EES6 |
| R-43 S1 | 903.9 | 11/07/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.54207 | — | — | — | permil | N | — | NQ | 2013-290 | CASA-13-24373 | EES6 |
| R-43 S1 | 903.9 | 05/22/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.71037 | — | — | — | permil | Y | — | NQ | 12-1313 | CASA-12-14081 | EES6 |
| R-43 S1 | 903.9 | 05/22/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.8877 | — | — | — | permil | N | — | NQ | 12-1313 | CASA-12-14081 | EES6 |
| R-43 S1 | 903.9 | 11/15/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.87 | — | — | — | permil | N | — | NQ | 12-344 | CASA-12-1393 | EES6 |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 1 | — | — | 0.1 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.951 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.954 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.9 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.939 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.925 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.89 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.00425 | 0.00425 | 0.03 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 | 0.03 | — | 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 | 0.01 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 10-3107 | CASA-10-16795 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00425 | 0.00425 | 0.04 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 | 0.05 | — | 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 | 0.02 | — | 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 | 0.03 | — | 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-239/240 | Pu-239/240 | N | 0.00477 | 0.0058 | 0.04 | — | pCi/L | Y | U | U | 10-3107 | CASA-10-16795 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.21 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.24 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.21 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.31 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.37 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.33 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.65 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -26.9 | 16 | 57.9 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 |
| 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 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Selenium | Se | Y | 1.75 | — | — | 1.5 | µg/L | Y | J | J | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Selenium | Se | Y | 1.89 | — | — | 1.5 | µg/L | Y | J | J | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Selenium | Se | Y | 1.67 | — | — | 1.5 | µg/L | Y | J | J | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Selenium | Se | Y | 1.76 | — | — | 1.5 | µg/L | Y | J | J | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Selenium | Se | Y | 2.12 | — | — | 1.5 | µg/L | Y | J | J | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Selenium | Se | Y | 1.99 | — | — | 1.5 | µg/L | Y | J | J | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Selenium | Se | Y | 2.09 | — | — | 1.5 | µg/L | Y | J | J | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 71.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 73.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | 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 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 72.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 73.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 71.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 71.8 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 70.9 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.6 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.8 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 9.7 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.2 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -0.976 | 1.52 | 5.57 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 169 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 174 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 175 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 181 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 182 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 181 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 190 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 69.9 | — | — | 1 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 68.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 67.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 66.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 66.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 66.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 63.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0696 | 0.125 | 0.48 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 | 0.44 | — | 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 | 0.49 | — | 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: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 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 15 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.3 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 19.1 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.6 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.5 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 21 | — | — | 0.266 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 170 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 164 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 181 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 176 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 189 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 164 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 166 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.519 | — | — | 0.33 | mg/L | Y | J | J | 2015-415 | CASA-15-90253 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.388 | — | — | 0.33 | mg/L | Y | J | J | 2014-3832 | CASA-14-81519 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.418 | — | — | 0.33 | mg/L | Y | J | J | 2014-3832 | CASA-14-81514 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.683 | — | — | 0.33 | mg/L | Y | J | J | 2014-3328 | CASA-14-75528 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.596 | — | — | 0.33 | mg/L | Y | J | J | 2014-2795 | CASA-14-49690 | 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 | 01/21/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.462 | — | — | 0.33 | mg/L | Y | J | J | 2014-2795 | CASA-14-49685 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.959 | — | — | 0.33 | mg/L | Y | J | J | 2014-2514 | CASA-14-45708 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 1.287 | 0.777 | 2.47 | — | pCi/L | Y | U | U | 2015-460 | CASA-15-90253 | ARSL |
| R-43 S1 | 903.9 | 11/19/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.829 | 0.6 | 1.94 | — | pCi/L | Y | U | U | 2014-2522 | CASA-14-45708 | ARSL |
| 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 | 2.45 | — | pCi/L | Y | U | U | 11-2519 | CASA-11-10818 | ARSL |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.12 | — | — | 0.067 | µg/L | Y | J | J | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.122 | — | — | 0.067 | µg/L | Y | J | J | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.118 | — | — | 0.067 | µg/L | Y | J | J | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.116 | — | — | 0.067 | µg/L | Y | J | J | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.092 | — | — | 0.067 | µg/L | Y | J | J | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.088 | — | — | 0.067 | µg/L | Y | J | J | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.142 | — | — | 0.067 | µg/L | Y | J | J | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.102 | 0.0157 | 0.04 | — | pCi/L | Y | — | NQ | 2015-415 | CASA-15-90253 | 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 | 0.07 | — | 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 | 0.09 | — | 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 | 0.04 | — | 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 | 0.04 | — | pCi/L | Y | — | NQ | 10-3107 | CASA-10-16795 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0121 | 0.00642 | 0.04 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90253 | 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 | 0.04 | — | 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 | 0.06 | — | 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 | 0.03 | — | 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:ISOU | Uranium-235/236 | U-235/236 | N | 0.00316 | 0.0032 | 0.04 | — | pCi/L | Y | U | U | 10-3107 | CASA-10-16795 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.049 | 0.0116 | 0.04 | — | pCi/L | Y | — | NQ | 2015-415 | CASA-15-90253 | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 10-3107 | CASA-10-16795 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 6.77 | — | — | 1 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 7.09 | — | — | 1 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Vanadium | V | Y | 6.68 | — | — | 1 | µg/L | Y | — | NQ | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 6.23 | — | — | 1 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.66 | — | — | 1 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.74 | — | — | 1 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 7.12 | — | — | 1 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S1 | 903.9 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 8.41 | — | — | 3.3 | µg/L | Y | J | J | 2015-415 | CASA-15-90261 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3832 | CASA-14-81525 | GELC |
| R-43 S1 | 903.9 | 07/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3832 | CASA-14-81515 | GELC |
| R-43 S1 | 903.9 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3328 | CASA-14-75536 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 4.28 | — | — | 3.3 | µg/L | Y | J | J | 2014-2795 | CASA-14-49696 | GELC |
| R-43 S1 | 903.9 | 01/21/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 4.01 | — | — | 3.3 | µg/L | Y | J | J | 2014-2795 | CASA-14-49686 | GELC |
| R-43 S1 | 903.9 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2514 | CASA-14-45716 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.2 | — | — | 0.01 | SU | Y | H | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.54 | — | — | 0.01 | SU | Y | H | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.53 | — | — | 0.01 | SU | Y | H | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.59 | — | — | 0.01 | SU | Y | H | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.6 | — | — | 0.01 | SU | Y | H | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | Y | 4.13 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | Y | 6.13 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | Y | 6.31 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | Y | 7.37 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | Y | 21.8 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 78.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 74.5 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | 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 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 75.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 97.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 81.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | -0.00862 | 0.0076 | 0.06 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 10-3107 | CASA-10-16799 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0233 | — | — | 0.017 | mg/L | Y | J | J | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0498 | — | — | 0.017 | mg/L | Y | J | U | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0844 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0433 | — | — | 0.017 | mg/L | Y | J | U | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0654 | — | — | 0.017 | mg/L | Y | — | U | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 21.3 | — | — | 1 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 21.4 | — | — | 1 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 22.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 20.2 | — | — | 1 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 21.3 | — | — | 1 | µg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 36.8 | — | — | 15 | µg/L | Y | J | J | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 32.3 | — | — | 15 | µg/L | Y | J | J | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 33.5 | — | — | 15 | µg/L | Y | J | J | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 34.5 | — | — | 15 | µg/L | Y | J | J | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 38.8 | — | — | 15 | µg/L | Y | J | J | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0672 | — | — | 0.067 | mg/L | Y | J | J | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 20 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 16.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 16.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 16.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 17.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.666 | 1.6 | 5.74 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 |
| 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 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.61 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.69 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.49 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.74 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.24 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 12.8 | — | — | 2 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 6.32 | — | — | 2 | µg/L | Y | J | J | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | N | 5.19 | — | — | 2 | µg/L | Y | J | U | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.43 | — | — | 2 | µg/L | Y | J | J | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 3.98 | — | — | 2 | µg/L | Y | J | J | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -2.35 | 1.58 | 5.11 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.317 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.271 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | 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 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.297 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.311 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.302 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.0581 | 0.557 | 1.91 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 0.936 | 0.726 | 2.44 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 68.3 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 58.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 60.7 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 59.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 63.5 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.48 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.37 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.76 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.65 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.79 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.23 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.2 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.43 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 2.35 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.34 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 1.16 | 3.41 | 12.2 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.528 | — | — | 0.5 | µg/L | Y | J | J | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.565 | — | — | 0.5 | µg/L | Y | J | J | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.924 | — | — | 0.5 | µg/L | Y | J | J | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.07 | — | — | 0.5 | µg/L | Y | J | J | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.572 | — | — | 0.5 | µg/L | Y | J | J | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.89 | — | — | 0.085 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.35 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.99 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.89 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.56 | — | — | 0.085 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.49525 | — | — | — | permil | Y | — | NQ | 2015-412 | CASA-15-90262 | EES6 |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.42 | — | — | — | permil | Y | — | NQ | 2014-2513 | CASA-14-45717 | EES6 |
| R-43 S2 | 969.1 | 11/07/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.89096 | — | — | — | permil | Y | — | NQ | 2013-290 | CASA-13-24374 | EES6 |
| R-43 S2 | 969.1 | 11/07/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.34035 | — | — | — | permil | N | — | NQ | 2013-290 | CASA-13-24374 | EES6 |
| R-43 S2 | 969.1 | 05/22/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.72942 | — | — | — | permil | Y | — | NQ | 12-1313 | CASA-12-14082 | EES6 |
| R-43 S2 | 969.1 | 05/22/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.60146 | — | — | — | permil | N | — | NQ | 12-1313 | CASA-12-14082 | EES6 |
| R-43 S2 | 969.1 | 11/15/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.67 | — | — | — | permil | N | — | NQ | 12-344 | CASA-12-1395 | EES6 |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.3282 | — | — | — | permil | Y | — | NQ | 2015-412 | CASA-15-90262 | EES6 |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.06 | — | — | — | permil | Y | — | NQ | 2014-2513 | CASA-14-45717 | EES6 |
| R-43 S2 | 969.1 | 11/07/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.65568 | — | — | — | permil | Y | — | NQ | 2013-290 | CASA-13-24374 | EES6 |
| R-43 S2 | 969.1 | 11/07/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.78874 | — | — | — | permil | N | — | NQ | 2013-290 | CASA-13-24374 | EES6 |
| R-43 S2 | 969.1 | 05/22/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.96715 | — | — | — | permil | Y | — | NQ | 12-1313 | CASA-12-14082 | EES6 |

**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 | 05/22/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -4.14351 | — | — | — | permil | N | — | NQ | 12-1313 | CASA-12-14082 | EES6 |
| R-43 S2 | 969.1 | 11/15/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.24 | — | — | — | permil | N | — | NQ | 12-344 | CASA-12-1395 | EES6 |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.616 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.645 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.636 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.59 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.554 | — | — | 0.05 | µg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -7.1E-10 | 0.00519 | 0.03 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 | 0.02 | — | 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 | 0.02 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3107 | CASA-10-16799 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00212 | 0.00367 | 0.04 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3107 | CASA-10-16799 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.47 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.28 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.51 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.67 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.47 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 10.3 | 21.1 | 81.1 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 70.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 66.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 67.8 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 65.8 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 72.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 15.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 14 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 15.6 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 15.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 16.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 2.6 | 1.8 | 7.64 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 182 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 192 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 191 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 193 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 187 | — | — | 1 | µS/cm | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 85.4 | — | — | 1 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 100 | — | — | 1 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 107 | — | — | 1 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 99.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 110 | — | — | 1 | µg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.164 | 0.117 | 0.5 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 | 0.46 | — | 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 | 0.5 | — | 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: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 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.65 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 10.1 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.59 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.81 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 4.91 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 194 | — | — | 3.4 | mg/L | Y | — | J | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 166 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 166 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 163 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 149 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.534 | — | — | 0.33 | mg/L | Y | J | J | 2015-415 | CASA-15-90254 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.517 | — | — | 0.33 | mg/L | Y | J | J | 2014-3328 | CASA-14-75529 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 2014-2795 | CASA-14-49691 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.678 | — | — | 0.33 | mg/L | Y | J | J | 2014-2514 | CASA-14-45709 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.525 | — | — | 0.33 | mg/L | Y | J | J | 2013-1238 | CASA-13-36990 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | -1.098 | 0.815 | 2.8 | — | pCi/L | Y | U | U | 2015-460 | CASA-15-90254 | ARSL |
| R-43 S2 | 969.1 | 11/19/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.639 | 0.637 | 2.1 | — | pCi/L | Y | U | U | 2014-2522 | CASA-14-45709 | ARSL |
| 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 | 2.16 | — | pCi/L | Y | U | U | 2013-293 | CASA-13-24214 | 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 | 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 | 05/18/11 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | -0.5474 | 0.7406 | 2.54 | — | pCi/L | Y | U | U | 11-2519 | CASA-11-10820 | ARSL |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.874 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.89 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.88 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.985 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.918 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.737 | 0.0389 | 0.04 | — | pCi/L | Y | — | NQ | 2015-415 | CASA-15-90254 | 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 | 0.07 | — | 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 | 0.09 | — | 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 | 0.05 | — | 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 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0285 | 0.0111 | 0.03 | — | pCi/L | Y | U | U | 2015-415 | CASA-15-90254 | 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 | 0.04 | — | 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 | 0.06 | — | 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 | 0.03 | — | 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 | 0.05 | — | pCi/L | Y | U | U | 10-3107 | CASA-10-16799 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.29 | 0.0244 | 0.04 | — | pCi/L | Y | — | NQ | 2015-415 | CASA-15-90254 | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.03 | — | 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 | 0.05 | — | pCi/L | Y | — | NQ | 10-3107 | CASA-10-16799 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 7.13 | — | — | 1 | µg/L | Y | — | NQ | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 7.23 | — | — | 1 | µg/L | Y | — | NQ | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 7.77 | — | — | 1 | µg/L | Y | — | NQ | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 7.21 | — | — | 1 | µg/L | Y | — | NQ | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 8.17 | — | — | 1 | µg/L | Y | — | NQ | 2013-1238 | CASA-13-36994 | GELC |
| R-43 S2 | 969.1 | 11/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 8.27 | — | — | 3.3 | µg/L | Y | J | J | 2015-415 | CASA-15-90262 | GELC |
| R-43 S2 | 969.1 | 04/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3328 | CASA-14-75537 | GELC |
| R-43 S2 | 969.1 | 01/21/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 3.58 | — | — | 3.3 | µg/L | Y | J | J | 2014-2795 | CASA-14-49697 | GELC |
| R-43 S2 | 969.1 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2514 | CASA-14-45717 | GELC |
| R-43 S2 | 969.1 | 07/18/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-1238 | CASA-13-36994 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.83 | — | — | 0.01 | SU | Y | H | NQ | 2015-238 | CAMO-15-90233 | 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 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.72 | — | — | 0.01 | SU | Y | H | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | 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 | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.71 | — | — | 0.01 | SU | Y | H | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | 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 | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 55.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 55.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 54.7 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 56.8 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 57.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00225 | 0.0129 | 0.05 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 | 0.03 | — | 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 | 0.04 | — | 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:AM-241 | Americium-241 | Am-241 | N | -0.00026 | 0.0021 | 0.02 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 10-1802 | CAMO-10-9370 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 20.5 | — | — | 1 | µg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 21.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 19.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 19.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 20.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 12.4 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 12.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 12 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 12.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 12.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.475 | 1.56 | 5.7 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.41 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.53 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.5 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.45 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.35 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 15.6 | — | — | 2 | µg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 18.7 | — | — | 2 | µg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 17 | — | — | 2 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 16.8 | — | — | 2 | µg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 14.8 | — | — | 2 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 2.03 | 1.92 | 7.58 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.298 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.254 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.525 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.284 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.269 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.0273 | 0.705 | 2.87 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 |
| 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 0.642 | 0.853 | 2.89 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 | 11/12/12 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 45.5 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 46 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 44 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 45 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 44.9 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.53 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.62 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.37 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.52 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.44 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.982 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.826 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.784 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.876 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.09 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -2.36 | 3.18 | 11 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.09 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.19 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.28 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.29 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.05 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.26889 | — | — | — | permil | Y | — | NQ | 2015-234 | CAMO-15-90233 | EES6 |
| R-44 S1 | 895 | 11/17/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.1 | — | — | — | permil | N | — | NQ | 12-375 | CAMO-12-1498 | EES6 |
| R-44 S1 | 895 | 07/14/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.09409 | — | — | — | permil | N | — | NQ | 10-3700 | CAMO-10-22864 | EES6 |
| R-44 S1 | 895 | 05/04/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 6.49425 | — | — | — | permil | N | — | NQ | 10-3021 | CAMO-10-16841 | EES6 |
| R-44 S1 | 895 | 02/10/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.93 | — | — | — | permil | N | — | NQ | 10-1798 | CAMO-10-9372 | EES6 |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.81032 | — | — | — | permil | Y | — | NQ | 2015-234 | CAMO-15-90233 | EES6 |
| R-44 S1 | 895 | 11/17/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.05 | — | — | — | permil | N | — | NQ | 12-375 | CAMO-12-1498 | EES6 |
| R-44 S1 | 895 | 07/14/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.6993 | — | — | — | permil | N | — | NQ | 10-3700 | CAMO-10-22864 | EES6 |
| R-44 S1 | 895 | 05/04/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.72716 | — | — | — | permil | N | — | NQ | 10-3021 | CAMO-10-16841 | EES6 |
| R-44 S1 | 895 | 02/10/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.09 | — | — | — | permil | N | — | NQ | 10-1798 | CAMO-10-9372 | EES6 |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.437 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.437 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.399 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.455 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.429 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00497 | 0.00702 | 0.03 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.05 | — | pCi/L | Y | U | U | 10-1802 | CAMO-10-9370 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00248 | 0.0108 | 0.05 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 | 0.05 | — | 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 | 0.03 | — | 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-239/240 | Pu-239/240 | N | -0.00209 | 0.0036 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-1802 | CAMO-10-9370 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.11 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | 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 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.26 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.15 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.03 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.12 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 11.5 | 20.6 | 82 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 67.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 71.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 69.8 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 65.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 67 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 9.41 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 9.47 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 9.86 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 9.45 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 9.13 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 0.671 | 1.49 | 5.84 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 125 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 132 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 133 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 130 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 136 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 56.5 | — | — | 1 | µg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 56.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 53.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 56.5 | — | — | 1 | µg/L | Y | E | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 55.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.0483 | 0.136 | 0.5 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 | 0.49 | — | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.41 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.52 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.58 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.47 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.33 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 126 | — | — | 3.4 | mg/L | Y | — | J | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 159 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 143 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 150 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 121 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0463 | — | — | 0.017 | mg/L | Y | J | J | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | 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 | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0647 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0485 | — | — | 0.017 | mg/L | Y | J | J | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.0428 | — | — | 0.017 | mg/L | Y | J | U | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 3.221 | 0.852 | 2.16 | — | pCi/L | Y | — | NQ | 2015-313 | CAMO-15-90216 | 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-44 S1 | 895 | 11/06/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.822 | 0.655 | 2.13 | — | pCi/L | Y | U | U | 2014-2413 | CAMO-14-45750 | ARSL |
| R-44 S1 | 895 | 11/12/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.469 | 0.847 | 2.84 | — | 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 | 2.54 | — | pCi/L | Y | U | U | 11-2528 | CAMO-11-10706 | ARSL |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.451 | — | — | 0.067 | µg/L | Y | — | J | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.46 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.438 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.489 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.455 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.264 | 0.0284 | 0.05 | — | pCi/L | Y | — | J | 2015-238 | CAMO-15-90216 | 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 | 0.08 | — | 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 | 0.07 | — | 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 | 0.05 | — | 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 | 0.08 | — | pCi/L | Y | — | NQ | 10-1802 | CAMO-10-9370 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0267 | 0.0115 | 0.04 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90216 | 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 | 0.05 | — | 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 | 0.04 | — | 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 | 0.05 | — | 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 | 0.06 | — | pCi/L | Y | U | U | 10-1802 | CAMO-10-9370 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.158 | 0.0203 | 0.05 | — | pCi/L | Y | — | NQ | 2015-238 | CAMO-15-90216 | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.05 | — | pCi/L | Y | — | NQ | 10-1802 | CAMO-10-9370 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 5.05 | — | — | 1 | µg/L | Y | — | NQ | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 3.32 | — | — | 1 | µg/L | Y | J | J | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.34 | — | — | 1 | µg/L | Y | J | J | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 3.3 | — | — | 1 | µg/L | Y | J | J | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.58 | — | — | 1 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S1 | 895 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 3.56 | — | — | 3.3 | µg/L | Y | J | J | 2015-238 | CAMO-15-90233 | GELC |
| R-44 S1 | 895 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3747 | CAMO-14-84010 | GELC |
| R-44 S1 | 895 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3388 | CAMO-14-75515 | GELC |
| R-44 S1 | 895 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 3.66 | — | — | 3.3 | µg/L | Y | J | J | 2014-2765 | CAMO-14-49677 | GELC |
| R-44 S1 | 895 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 5.97 | — | — | 3.3 | µg/L | Y | J | J | 2014-2411 | CAMO-14-45766 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.83 | — | — | 0.01 | SU | Y | H | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.79 | — | — | 0.01 | SU | Y | H | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | 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 | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | 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 | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.93 | — | — | 0.01 | SU | Y | H | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 62.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 61.7 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 61.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 64.6 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 57.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.0031 | 0.0082 | 0.06 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 | 0.04 | — | pCi/L | Y | U | U | 2013-307 | CAMO-13-24246 | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3703 | CAMO-10-22868 | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3703 | CAMO-10-22871 | 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 | 0.02 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 10-1802 | CAMO-10-9373 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 22.1 | — | — | 1 | µg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 22.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 21.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 21.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | 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 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 22.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 12.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 12.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 12.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 13.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 13 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.252 | 1.63 | 6.02 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.37 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.4 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.35 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.33 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.33 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 6.89 | — | — | 2 | µg/L | Y | J | J | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 6 | — | — | 2 | µg/L | Y | J | J | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.74 | — | — | 2 | µg/L | Y | J | J | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.27 | — | — | 2 | µg/L | Y | J | J | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.07 | — | — | 2 | µg/L | Y | J | J | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 3.16 | 1.48 | 6.92 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 |
| 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.35 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.301 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.582 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.34 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.319 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.251 | 0.698 | 2.93 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 | 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 | 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 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 2.02 | 0.84 | 2.71 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 49 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 48 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 48.3 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 49.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 48.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.06 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | 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 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.09 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.99 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.07 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.94 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.805 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.775 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.636 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.761 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | N | 0.9 | — | — | 0.165 | µg/L | Y | — | U | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -1.19 | 3.37 | 11.8 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.697 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.654 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.693 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.865 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.599 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.32429 | — | — | — | permil | Y | — | NQ | 2015-234 | CAMO-15-90234 | EES6 |
| R-44 S2 | 985.3 | 11/17/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.59 | — | — | — | permil | N | — | NQ | 12-375 | CAMO-12-1501 | EES6 |
| R-44 S2 | 985.3 | 07/14/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.09484 | — | — | — | permil | N | — | NQ | 10-3700 | CAMO-10-22869 | EES6 |
| R-44 S2 | 985.3 | 05/04/10 | WG | F | INIT | FD | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 7.84739 | — | — | — | permil | N | — | NQ | 10-3021 | CAMO-10-16846 | EES6 |
| R-44 S2 | 985.3 | 05/04/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 7.36104 | — | — | — | permil | N | — | NQ | 10-3021 | CAMO-10-16844 | EES6 |
| R-44 S2 | 985.3 | 02/10/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.68 | — | — | — | permil | N | — | NQ | 10-1798 | CAMO-10-9374 | EES6 |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.86901 | — | — | — | permil | Y | — | NQ | 2015-234 | CAMO-15-90234 | EES6 |
| R-44 S2 | 985.3 | 11/17/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.67 | — | — | — | permil | N | — | NQ | 12-375 | CAMO-12-1501 | EES6 |
| R-44 S2 | 985.3 | 07/14/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.54868 | — | — | — | permil | N | — | NQ | 10-3700 | CAMO-10-22869 | EES6 |
| R-44 S2 | 985.3 | 05/04/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.04124 | — | — | — | permil | N | — | NQ | 10-3021 | CAMO-10-16844 | EES6 |
| R-44 S2 | 985.3 | 05/04/10 | WG | F | INIT | FD | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.36051 | — | — | — | permil | N | — | NQ | 10-3021 | CAMO-10-16846 | EES6 |
| R-44 S2 | 985.3 | 11/13/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.56 | — | — | — | permil | N | — | NQ | 10-511 | CAMO-10-3227 | EES6 |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.354 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.351 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.339 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.351 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.336 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00591 | 0.00724 | 0.04 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 | 0.02 | — | pCi/L | Y | U | U | 2013-307 | CAMO-13-24246 | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3703 | CAMO-10-22868 | 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 | 05/04/10 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00881 | 0.0054 | 0.04 | — | 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 | -5.3E-10 | 0.0045 | 0.04 | — | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00886 | 0.00781 | 0.06 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 10-1802 | CAMO-10-9373 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.33 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.39 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.4 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | 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 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.33 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.29 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 38 | 20.5 | 86.6 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 70.8 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 72.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 74.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 70.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 71.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.2 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 9.94 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.5 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -0.407 | 1.44 | 5.58 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 133 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 139 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 141 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 139 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 143 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 58.8 | — | — | 1 | µg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 57.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 57.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 59.4 | — | — | 1 | µg/L | Y | E | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 58.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0775 | 0.133 | 0.49 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 | 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 | 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 | 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 | 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 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.94 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.85 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.89 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.97 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 3.06 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 257 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 140 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 129 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 207 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 123 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.35 | — | — | 0.33 | mg/L | Y | J | J | 2015-238 | CAMO-15-90217 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 2014-3747 | CAMO-14-84000 | 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 | 05/13/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 2014-3388 | CAMO-14-75501 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 2014-2765 | CAMO-14-49667 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.529 | — | — | 0.33 | mg/L | Y | J | J | 2014-2411 | CAMO-14-45751 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.801 | 0.694 | 2.27 | — | pCi/L | Y | U | U | 2015-313 | CAMO-15-90217 | ARSL |
| R-44 S2 | 985.3 | 11/06/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | -0.305 | 0.628 | 2.16 | — | pCi/L | Y | U | U | 2014-2413 | CAMO-14-45751 | ARSL |
| 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 | 2.48 | — | pCi/L | Y | U | U | 11-2528 | CAMO-11-10709 | ARSL |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.505 | — | — | 0.067 | µg/L | Y | — | J | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.518 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.516 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.587 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.567 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.339 | 0.0303 | 0.05 | — | pCi/L | Y | — | NQ | 2015-238 | CAMO-15-90217 | 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 | 0.06 | — | 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 | 0.06 | — | 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 | 0.07 | — | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.09 | — | pCi/L | Y | — | NQ | 10-1802 | CAMO-10-9373 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0264 | 0.0106 | 0.04 | — | pCi/L | Y | U | U | 2015-238 | CAMO-15-90217 | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.07 | — | pCi/L | Y | U | U | 10-1802 | CAMO-10-9373 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.114 | 0.0177 | 0.05 | — | pCi/L | Y | — | NQ | 2015-238 | CAMO-15-90217 | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.07 | — | pCi/L | Y | — | NQ | 10-1802 | CAMO-10-9373 | GELC |
| R-44 S2 | 985.3 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 6.13 | — | — | 1 | µg/L | Y | — | NQ | 2015-238 | CAMO-15-90234 | GELC |
| R-44 S2 | 985.3 | 07/10/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.06 | — | — | 1 | µg/L | Y | J | J | 2014-3747 | CAMO-14-84011 | GELC |
| R-44 S2 | 985.3 | 05/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 5.64 | — | — | 1 | µg/L | Y | — | NQ | 2014-3388 | CAMO-14-75516 | GELC |
| R-44 S2 | 985.3 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 4.88 | — | — | 1 | µg/L | Y | J | J | 2014-2765 | CAMO-14-49678 | GELC |
| R-44 S2 | 985.3 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.38 | — | — | 1 | µg/L | Y | — | NQ | 2014-2411 | CAMO-14-45767 | GELC |
| R-45 S1 | 880 | 11/05/14 | 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 | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | 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 | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | 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 | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | 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 | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 65.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 62.8 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 65.3 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 65 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | -2E-09 | 0.00957 | 0.06 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.05 | — | pCi/L | Y | U | U | 10-1468 | CAMO-10-9379 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 2.13 | — | — | 1.7 | µg/L | Y | J | J | 2015-239 | CAMO-15-90235 | 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 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-830 | CAMO-13-30596 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-276 | CAMO-13-24264 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 28.4 | — | — | 1 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 29.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 29.4 | — | — | 1 | µg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 30.6 | — | — | 1 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 29.9 | — | — | 1 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24264 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 16.3 | — | — | 15 | µg/L | Y | J | J | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 19.5 | — | — | 15 | µg/L | Y | J | J | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2013-830 | CAMO-13-30596 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 16.7 | — | — | 15 | µg/L | Y | J | J | 2013-276 | CAMO-13-24264 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 18 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 17.7 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 17.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 18.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.659 | 1.42 | 4.3 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.86 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.62 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.42 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4.06 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 33.6 | — | — | 2 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 29.3 | — | — | 2 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 27.7 | — | — | 2 | µg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 24.1 | — | — | 2 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 23 | — | — | 2 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24264 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -1.42 | 1.21 | 4.09 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.324 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.266 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.29 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.291 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -1.15 | 0.559 | 2.97 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | -0.153 | 0.601 | 2.2 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 65.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | 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 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 65.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 64.9 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 69 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 5.02 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 5.12 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.92 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 5.11 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.902 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.825 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | N | 0.921 | — | — | 0.165 | µg/L | Y | — | U | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.733 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.908 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24264 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 2.19 | 2.5 | 8.94 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.569 | — | — | 0.5 | µg/L | Y | J | J | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.03 | — | — | 0.5 | µg/L | Y | J | J | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.54 | — | — | 0.5 | µg/L | Y | J | J | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.59 | — | — | 0.5 | µg/L | Y | J | J | 2013-830 | CAMO-13-30596 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.22 | — | — | 0.5 | µg/L | Y | J | J | 2013-276 | CAMO-13-24264 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.86 | — | — | 0.085 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.88 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.65 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.3 | — | — | 0.085 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.03962 | — | — | — | permil | Y | — | NQ | 2015-234 | CAMO-15-90235 | EES6 |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5 | — | — | — | permil | Y | — | NQ | 2014-2408 | CAMO-14-45768 | EES6 |
| R-45 S1 | 880 | 11/16/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.91 | — | — | — | permil | N | — | NQ | 12-360 | CAMO-12-1492 | EES6 |
| R-45 S1 | 880 | 07/02/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.11433 | — | — | — | permil | N | — | NQ | 10-3564 | CAMO-10-22876 | EES6 |
| R-45 S1 | 880 | 05/13/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.75015 | — | — | — | permil | N | — | NQ | 10-3163 | CAMO-10-16824 | EES6 |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.52902 | — | — | — | permil | Y | — | NQ | 2015-234 | CAMO-15-90235 | EES6 |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.55 | — | — | — | permil | Y | — | NQ | 2014-2408 | CAMO-14-45768 | EES6 |
| R-45 S1 | 880 | 11/16/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.69 | — | — | — | permil | N | — | NQ | 12-360 | CAMO-12-1492 | EES6 |
| R-45 S1 | 880 | 07/02/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.36292 | — | — | — | permil | N | — | NQ | 10-3564 | CAMO-10-22876 | EES6 |
| R-45 S1 | 880 | 05/13/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.34731 | — | — | — | permil | N | — | NQ | 10-3163 | CAMO-10-16824 | EES6 |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.62 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.552 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.548 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | 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 | µg/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 | µg/L | Y | — | NQ | 12-1314 | CAMO-12-14027 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.00683 | 0.00683 | 0.05 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-1468 | CAMO-10-9379 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.0102 | 0.00764 | 0.07 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 | 0.05 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 10-1468 | CAMO-10-9379 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.36 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | 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 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.37 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.35 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -10.3 | 19 | 53.9 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 |
| 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 69.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 73.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 70.3 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 76.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.6 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 11 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 0.0293 | 1.18 | 4.36 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 167 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 180 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 179 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 184 | — | — | 1 | µS/cm | Y | — | NQ | 2013-830 | CAMO-13-30596 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 175 | — | — | 1 | µS/cm | Y | — | NQ | 2013-276 | CAMO-13-24264 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 80.8 | — | — | 1 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 79.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 80.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 84.2 | — | — | 1 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 81.7 | — | — | 1 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24264 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0647 | 0.132 | 0.49 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 | 0.4 | — | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 7.6 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 7.07 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 6.93 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 6.17 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 137 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 187 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 153 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 149 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | 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 | 11/05/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.484 | — | — | 0.33 | mg/L | Y | J | J | 2015-239 | CAMO-15-90218 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.798 | — | — | 0.33 | mg/L | Y | J | J | 2014-3362 | CAMO-14-75502 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.398 | — | — | 0.33 | mg/L | Y | J | J | 2014-2410 | CAMO-14-45752 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.658 | — | — | 0.33 | mg/L | Y | J | J | 2013-830 | CAMO-13-30580 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 2013-276 | CAMO-13-24247 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 3.643 | 0.896 | 2.16 | — | pCi/L | Y | — | NQ | 2015-313 | CAMO-15-90218 | 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 | 11/06/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 1.492 | 0.684 | 2.1 | — | pCi/L | Y | U | U | 2014-2413 | CAMO-14-45752 | ARSL |
| R-45 S1 | 880 | 11/06/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 2.149 | 0.699 | 1.96 | — | pCi/L | Y | — | NQ | 2013-291 | CAMO-13-24247 | ARSL |
| 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 | 2.19 | — | pCi/L | Y | — | NQ | 11-2528 | CAMO-11-10710 | ARSL |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.796 | — | — | 0.067 | µg/L | Y | — | J | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.835 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.791 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.705 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.827 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24264 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.541 | 0.0381 | 0.05 | — | pCi/L | Y | — | NQ | 2015-239 | CAMO-15-90218 | 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 | 0.06 | — | 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 | 0.08 | — | 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 | 0.03 | — | 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 | 0.07 | — | pCi/L | Y | — | NQ | 10-1468 | CAMO-10-9379 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0129 | 0.0111 | 0.05 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90218 | 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 | 0.04 | — | 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 | 0.05 | — | 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 | 0.03 | — | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.245 | 0.0275 | 0.05 | — | pCi/L | Y | — | NQ | 2015-239 | CAMO-15-90218 | 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 | 0.04 | — | 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 | 0.06 | — | 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 | 0.03 | — | 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 | 0.05 | — | pCi/L | Y | — | NQ | 10-1468 | CAMO-10-9379 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 5.29 | — | — | 1 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.98 | — | — | 1 | µg/L | Y | J | J | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 4.67 | — | — | 1 | µg/L | Y | J | J | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.35 | — | — | 1 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30596 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.25 | — | — | 1 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24264 | GELC |
| R-45 S1 | 880 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 4.81 | — | — | 3.3 | µg/L | Y | J | J | 2015-239 | CAMO-15-90235 | GELC |
| R-45 S1 | 880 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3362 | CAMO-14-75517 | GELC |
| R-45 S1 | 880 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 6.43 | — | — | 3.3 | µg/L | Y | J | J | 2014-2410 | CAMO-14-45768 | GELC |
| R-45 S1 | 880 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 5.05 | — | — | 3.3 | µg/L | Y | J | J | 2013-830 | CAMO-13-30596 | GELC |
| R-45 S1 | 880 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-276 | CAMO-13-24264 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | 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 | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.99 | — | — | 0.01 | SU | Y | H | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.15 | — | — | 0.01 | SU | Y | H | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | 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 | 2013-830 | CAMO-13-30597 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 72.5 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 69.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 73.7 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 72.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.0117 | 0.0144 | 0.06 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.02 | — | 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 | 0.04 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 10-1468 | CAMO-10-9385 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 2.14 | — | — | 1.7 | µg/L | Y | J | J | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-830 | CAMO-13-30597 | GELC |
| R-45 S2 | 974.9 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-276 | CAMO-13-24265 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 28 | — | — | 1 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 29.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 33 | — | — | 1 | µg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 29.9 | — | — | 1 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | GELC |
| R-45 S2 | 974.9 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 30.3 | — | — | 1 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24265 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 17.4 | — | — | 15 | µg/L | Y | J | J | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 18.6 | — | — | 15 | µg/L | Y | J | J | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | N | 50 | — | — | 15 | µg/L | Y | U | U | 2013-830 | CAMO-13-30597 | GELC |
| R-45 S2 | 974.9 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 20.8 | — | — | 15 | µg/L | Y | J | J | 2013-276 | CAMO-13-24265 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 16.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 16.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 16.4 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 16.7 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 0.295 | 1.45 | 5.12 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 4 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3.77 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3.72 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3.4 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 16.6 | — | — | 2 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 15.7 | — | — | 2 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 13.2 | — | — | 2 | µg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 12.1 | — | — | 2 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | GELC |
| R-45 S2 | 974.9 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 12.5 | — | — | 2 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24265 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.406 | 1.17 | 4.2 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.403 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.357 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.361 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.352 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 1.52 | 0.883 | 2.85 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 0.924 | 0.717 | 2.39 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 60.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | 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 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 60.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 60.7 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 62.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | GELC |
| 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.75 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.9 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.77 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.79 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.964 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.08 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | N | 1.02 | — | — | 0.165 | µg/L | Y | — | U | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.874 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | GELC |
| R-45 S2 | 974.9 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.942 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24265 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 0.404 | 2.29 | 8.37 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.747 | — | — | 0.5 | µg/L | Y | J | J | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.829 | — | — | 0.5 | µg/L | Y | J | J | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.14 | — | — | 0.5 | µg/L | Y | J | J | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.13 | — | — | 0.5 | µg/L | Y | J | J | 2013-830 | CAMO-13-30597 | GELC |
| R-45 S2 | 974.9 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.999 | — | — | 0.5 | µg/L | Y | J | J | 2013-276 | CAMO-13-24265 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.771 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.837 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.722 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.589 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.54515 | — | — | — | permil | Y | — | NQ | 2015-234 | CAMO-15-90236 | EES6 |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.93 | — | — | — | permil | Y | — | NQ | 2014-2408 | CAMO-14-45769 | EES6 |
| R-45 S2 | 974.9 | 11/16/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.81 | — | — | — | permil | N | — | NQ | 12-360 | CAMO-12-1496 | EES6 |
| R-45 S2 | 974.9 | 07/02/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.83133 | — | — | — | permil | N | — | NQ | 10-3564 | CAMO-10-22873 | EES6 |
| R-45 S2 | 974.9 | 05/14/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.74386 | — | — | — | permil | N | — | NQ | 10-3185 | CAMO-10-16829 | EES6 |
| R-45 S2 | 974.9 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -5.91442 | — | — | — | permil | Y | — | NQ | 2015-234 | CAMO-15-90236 | EES6 |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.92 | — | — | — | permil | Y | — | NQ | 2014-2408 | CAMO-14-45769 | EES6 |
| R-45 S2 | 974.9 | 11/16/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.1 | — | — | — | permil | N | — | NQ | 12-360 | CAMO-12-1496 | EES6 |
| R-45 S2 | 974.9 | 07/02/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.61627 | — | — | — | permil | N | — | NQ | 10-3564 | CAMO-10-22873 | EES6 |
| R-45 S2 | 974.9 | 01/27/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.31 | — | — | — | permil | N | — | NQ | 10-1463 | CAMO-10-9383 | EES6 |
| R-45 S2 | 974.9 | 11/05/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.426 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.375 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.388 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | 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 | µg/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 | µg/L | Y | — | NQ | 12-1314 | CAMO-12-14028 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.0123 | 0.0095 | 0.03 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 0.02 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-1468 | CAMO-10-9384 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.0123 | 0.0127 | 0.05 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 0.04 | — | 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:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00391 | 0.0039 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3187 | CAMO-10-16828 | 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 | 01/27/10 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.00235 | 0.0041 | 0.03 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 10-1468 | CAMO-10-9384 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.38 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.37 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.28 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.35 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -21.6 | 17.1 | 61.6 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 71.3 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 75.3 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 72.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 76.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.5 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11.2 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.7 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 0.626 | 1.08 | 4.43 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 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 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 157 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 168 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 168 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 171 | — | — | 1 | µS/cm | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 | µS/cm | Y | — | NQ | 2013-276 | CAMO-13-24265 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 69.9 | — | — | 1 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 69.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 70.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 72.3 | — | — | 1 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | GELC |
| R-45 S2 | 974.9 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 75.6 | — | — | 1 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24265 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0433 | 0.104 | 0.39 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 0.46 | — | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 4.73 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 4.36 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 4.5 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 4.06 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 | 11/05/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 163 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 143 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 139 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 141 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | 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 |

**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 | 11/05/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.0503 | — | — | 0.033 | mg/L | Y | J | J | 2015-239 | CAMO-15-90219 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.1 | — | — | 0.033 | mg/L | Y | U | U | 2014-3362 | CAMO-14-75503 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.134 | — | — | 0.033 | mg/L | Y | — | U | 2014-2410 | CAMO-14-45753 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.1 | — | — | 0.033 | mg/L | Y | U | U | 2013-830 | CAMO-13-30581 | GELC |
| R-45 S2 | 974.9 | 11/06/12 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | N | 0.1 | — | — | 0.035 | mg/L | Y | U | U | 2013-276 | CAMO-13-24248 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.481 | — | — | 0.33 | mg/L | Y | J | J | 2015-239 | CAMO-15-90219 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.724 | — | — | 0.33 | mg/L | Y | J | J | 2014-3362 | CAMO-14-75503 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.346 | — | — | 0.33 | mg/L | Y | J | J | 2014-2410 | CAMO-14-45753 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.77 | — | — | 0.33 | mg/L | Y | J | J | 2013-830 | CAMO-13-30581 | GELC |
| R-45 S2 | 974.9 | 11/06/12 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 2013-276 | CAMO-13-24248 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 3.302 | 0.874 | 2.22 | — | pCi/L | Y | — | NQ | 2015-313 | CAMO-15-90219 | ARSL |
| R-45 S2 | 974.9 | 11/06/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.376 | 0.653 | 2.19 | — | pCi/L | Y | U | U | 2014-2413 | CAMO-14-45753 | ARSL |
| 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 | 2.1 | — | 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 | 2.77 | — | pCi/L | Y | U | U | 11-2528 | CAMO-11-10713 | ARSL |
| R-45 S2 | 974.9 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.686 | — | — | 0.067 | µg/L | Y | — | J | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.774 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.735 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.651 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | GELC |
| R-45 S2 | 974.9 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.746 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24265 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.544 | 0.0366 | 0.05 | — | pCi/L | Y | — | NQ | 2015-239 | CAMO-15-90219 | 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 | 0.06 | — | 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 | 0.08 | — | 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 | 0.04 | — | 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-234 | U-234 | Y | 0.588 | 0.058 | 0.07 | — | 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 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0314 | 0.0103 | 0.04 | — | pCi/L | Y | U | U | 2015-239 | CAMO-15-90219 | 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 | 0.05 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 10-1468 | CAMO-10-9384 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.254 | 0.0247 | 0.05 | — | pCi/L | Y | — | NQ | 2015-239 | CAMO-15-90219 | 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 | 0.04 | — | 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 | 0.06 | — | 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 | 0.05 | — | 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 | 0.05 | — | pCi/L | Y | — | NQ | 10-1468 | CAMO-10-9385 | GELC |
| R-45 S2 | 974.9 | 11/05/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 6.7 | — | — | 1 | µg/L | Y | — | NQ | 2015-239 | CAMO-15-90236 | GELC |
| R-45 S2 | 974.9 | 05/07/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 6.93 | — | — | 1 | µg/L | Y | — | NQ | 2014-3362 | CAMO-14-75518 | GELC |
| R-45 S2 | 974.9 | 11/06/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 7.34 | — | — | 1 | µg/L | Y | — | NQ | 2014-2410 | CAMO-14-45769 | GELC |
| R-45 S2 | 974.9 | 05/09/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.94 | — | — | 1 | µg/L | Y | — | NQ | 2013-830 | CAMO-13-30597 | GELC |
| R-45 S2 | 974.9 | 11/06/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 7.69 | — | — | 1 | µg/L | Y | — | NQ | 2013-276 | CAMO-13-24265 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.83 | — | — | 0.01 | SU | Y | H | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.78 | — | — | 0.01 | SU | Y | H | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.83 | — | — | 0.01 | SU | Y | H | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.93 | — | — | 0.01 | SU | Y | H | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.84 | — | — | 0.01 | SU | Y | H | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.04 | — | — | 0.01 | SU | Y | H | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 59.3 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 54.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 58.3 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 58.3 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 60.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 61.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | 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 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00404 | 0.00495 | 0.04 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | GELC |
| 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 | 0.02 | — | 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 | 0.03 | — | 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 | 0.02 | — | 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 | 0.02 | — | 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 | 0.02 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 11-2549 | CAMO-11-10720 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 17.2 | — | — | 1 | µg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 16.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 18.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 16.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 16.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 17.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 14 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 15.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 16.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 15.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 15.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 14.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.614 | 1.24 | 4.32 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | 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 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.74 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 9.34 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 9.46 | — | — | 0.335 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 8.67 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 8.71 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 6.64 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 84.6 | — | — | 2 | µg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 106 | — | — | 10 | µg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 126 | — | — | 2 | µg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 112 | — | — | 2 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 114 | — | — | 2 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 83.9 | — | — | 2 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.866 | 1.06 | 3.84 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | 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 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.322 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.22 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.247 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.296 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.295 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.33 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.457 | 0.389 | 1.44 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | 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 |

**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: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 | 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 | 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 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 0.888 | 0.316 | 1.01 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | 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 | 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 | 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 | 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 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 52.3 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 58.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 62.9 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 58.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 58.3 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 55.1 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.2 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.68 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 5 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.69 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.73 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.43 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.895 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.99 | — | — | 0.165 | µg/L | Y | — | J | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.891 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.05 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.04 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.58 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -0.151 | 2.34 | 8.12 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | 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 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 5.04 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 9.85 | — | — | 0.5 | µg/L | Y | N* | J+ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 9.84 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 8.41 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 8.32 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 8 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.53 | — | — | 0.085 | mg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.8 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.89 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.84 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.81 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.53 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 7.23768 | — | — | — | permil | Y | — | NQ | 2015-324 | CAMO-15-90237 | EES6 |
| R-50 S1 | 1077 | 11/18/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 7.23 | — | — | — | permil | N | — | NQ | 12-385 | CAMO-12-1504 | EES6 |
| R-50 S1 | 1077 | 11/16/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 7.62133 | — | — | — | permil | N | — | NQ | 11-559 | CAMO-11-1313 | EES6 |
| R-50 S1 | 1077 | 07/02/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.54967 | — | — | — | permil | N | — | NQ | 10-3559 | CAMO-10-22904 | EES6 |
| R-50 S1 | 1077 | 05/27/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.90635 | — | — | — | permil | N | — | NQ | 10-3271 | CAMO-10-17421 | EES6 |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.01375 | — | — | — | permil | Y | — | NQ | 2015-324 | CAMO-15-90237 | EES6 |
| R-50 S1 | 1077 | 11/18/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.17 | — | — | — | permil | N | — | NQ | 12-385 | CAMO-12-1504 | EES6 |
| R-50 S1 | 1077 | 05/25/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.26844 | — | — | — | permil | N | — | NQ | 11-2543 | CAMO-11-10719 | EES6 |

**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 | 11/16/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.68843 | — | — | — | permil | N | — | NQ | 11-559 | CAMO-11-1313 | EES6 |
| R-50 S1 | 1077 | 07/02/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.23448 | — | — | — | permil | N | — | NQ | 10-3559 | CAMO-10-22904 | EES6 |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.557 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.595 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.611 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.553 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.563 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.498 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00324 | 0.00725 | 0.04 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | 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 | 0.02 | — | 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 | 0.02 | — | 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 | 0.04 | — | 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 | 0.05 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 11-2549 | CAMO-11-10720 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.00648 | 0.00794 | 0.06 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.06 | — | 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 | 0.07 | — | 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-239/240 | Pu-239/240 | N | 0 | 0.005 | 0.04 | — | 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-239/240 | Pu-239/240 | N | 0.00214 | 0.0083 | 0.04 | — | pCi/L | Y | U | U | 11-2549 | CAMO-11-10720 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.36 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.46 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.43 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.46 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.52 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.47 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 35.9 | 16.7 | 43.6 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | 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 |
| 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 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 66.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 66 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 69.1 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 64.6 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 64.3 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 72 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 12.8 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 13.3 | — | — | 0.1 | mg/L | Y | N | J+ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 13.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 13.7 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Sodium | Na | Y | 13.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 13.7 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.35 | 1.28 | 4.31 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | 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 | 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 | 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 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 163 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-327 | CAMO-15-90237 | 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 | 07/22/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 185 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 193 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 195 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 192 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 174 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 61.1 | — | — | 1 | µg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 65.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 69 | — | — | 1 | µg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 66.1 | — | — | 1 | µg/L | Y | E | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 66 | — | — | 1 | µg/L | Y | E | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 61.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.252 | 0.118 | 0.49 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | 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 | 0.49 | — | 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 | 0.49 | — | 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 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 9.51 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.5 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 14.9 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.2 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.2 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 9.78 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | RE | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 136 | — | — | 3.4 | mg/L | Y | H | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 440 | — | — | 3.4 | mg/L | N | — | R | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 150 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 173 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 157 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 154 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 143 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.405 | — | — | 0.33 | mg/L | Y | J | J | 2015-327 | CAMO-15-90220 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.53 | — | — | 0.33 | mg/L | Y | — | NQ | 2014-3981 | CAMO-14-84003 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.61 | — | — | 0.33 | mg/L | Y | J | J | 2014-3415 | CAMO-14-75504 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.825 | — | — | 0.33 | mg/L | Y | J | J | 2014-2784 | CAMO-14-49670 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.824 | — | — | 0.33 | mg/L | Y | J | J | 2014-2784 | CAMO-14-49661 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.65 | — | — | 0.33 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45754 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 7.943 | 1.459 | 2.35 | — | pCi/L | Y | — | NQ | 2015-379 | CAMO-15-90220 | ARSL |
| R-50 S1 | 1077 | 05/20/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 27.583 | 4.274 | 2.2 | — | pCi/L | Y | — | J- | 2014-3425 | CAMO-14-75504 | ARSL |
| R-50 S1 | 1077 | 11/12/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 12.967 | 2.097 | 1.89 | — | pCi/L | Y | — | J- | 2014-2451 | CAMO-14-45754 | ARSL |
| R-50 S1 | 1077 | 05/10/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 20.514 | 3.252 | 2.41 | — | pCi/L | Y | — | J- | 2013-849 | CAMO-13-30582 | ARSL |
| R-50 S1 | 1077 | 11/09/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 22.455 | 3.603 | 3.01 | — | pCi/L | Y | — | J- | 2013-313 | CAMO-13-24249 | ARSL |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.465 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.524 | — | — | 0.067 | µg/L | Y | N | J+ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.548 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.604 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.6 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.581 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.32 | 0.0317 | 0.06 | — | pCi/L | Y | — | J | 2015-327 | CAMO-15-90220 | 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 | 0.07 | — | 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 | 0.08 | — | 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 | 0.06 | — | 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 | 0.05 | — | 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 | 0.09 | — | 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 | 0.07 | — | 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 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0399 | 0.0141 | 0.05 | — | pCi/L | Y | U | U | 2015-327 | CAMO-15-90220 | 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 | 0.05 | — | 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 | 0.05 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 11-3042 | CAMO-11-24673 | 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 | 0.05 | — | 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:ISOU | Uranium-235/236 | U-235/236 | N | 0.032 | 0.011 | 0.04 | — | pCi/L | Y | U | U | 11-2549 | CAMO-11-10720 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.164 | 0.0213 | 0.05 | — | pCi/L | Y | — | NQ | 2015-327 | CAMO-15-90220 | 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 | 0.05 | — | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.04 | — | pCi/L | Y | — | NQ | 11-3042 | CAMO-11-24673 | GELC |
| R-50 S1 | 1077 | 05/25/11 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.267 | 0.036 | 0.04 | — | 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-238 | U-238 | Y | 0.181 | 0.027 | 0.03 | — | pCi/L | Y | — | NQ | 11-2549 | CAMO-11-10720 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.61 | — | — | 1 | µg/L | Y | J | J | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 5 | — | — | 1 | µg/L | Y | — | NQ | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.48 | — | — | 1 | µg/L | Y | J | J | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 3.4 | — | — | 1 | µg/L | Y | J | J | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 3.36 | — | — | 1 | µg/L | Y | J | J | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.65 | — | — | 1 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S1 | 1077 | 11/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 13.4 | — | — | 3.3 | µg/L | Y | — | NQ | 2015-327 | CAMO-15-90237 | GELC |
| R-50 S1 | 1077 | 07/22/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 4.06 | — | — | 3.3 | µg/L | Y | J | J | 2014-3981 | CAMO-14-84014 | GELC |
| R-50 S1 | 1077 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3415 | CAMO-14-75519 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 7.35 | — | — | 3.3 | µg/L | Y | J | J | 2014-2784 | CAMO-14-49681 | GELC |
| R-50 S1 | 1077 | 01/15/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 7.14 | — | — | 3.3 | µg/L | Y | J | J | 2014-2784 | CAMO-14-49662 | GELC |
| R-50 S1 | 1077 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 6.9 | — | — | 3.3 | µg/L | Y | J | J | 2014-2449 | CAMO-14-45770 | GELC |
| R-50 S2 | 1185 | 11/13/14 | 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 | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.76 | — | — | 0.01 | SU | Y | H | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.01 | — | — | 0.01 | SU | Y | H | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.99 | — | — | 0.01 | SU | Y | H | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | 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 | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 63.5 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 55.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 58.8 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 62 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 62.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.0103 | 0.0077 | 0.07 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90221 | 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 | 0.02 | — | 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 | 0.03 | — | 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 | 0.01 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 11-2527 | CAMO-11-10726 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 24.3 | — | — | 1 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 24.4 | — | — | 1 | µg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 23.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 22.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 23.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 11.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 11.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 11.2 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 10.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 10.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 0.242 | 1.52 | 4.91 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90221 | 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 |

**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 | 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 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.2 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.04 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.1 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.09 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 2.11 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 3.77 | — | — | 2 | µg/L | Y | J | J | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | N | 6.39 | — | — | 2 | µg/L | Y | J | U | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 4.56 | — | — | 2 | µg/L | Y | J | J | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 3.34 | — | — | 2 | µg/L | Y | J | J | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 3.56 | — | — | 2 | µg/L | Y | J | J | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.176 | 1.58 | 5.06 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90221 | 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 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.382 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.291 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.317 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.358 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.394 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.481 | 0.321 | 1.06 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90221 | 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 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 3.3 | 0.416 | 1.21 | — | pCi/L | Y | — | NQ | 2015-318 | CAMO-15-90221 | 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 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 46.5 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 45.9 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 44.3 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 42.1 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 42.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.16 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 4.01 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.95 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.78 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.77 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.07 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.09 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.985 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.06 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | N | 1.29 | — | — | 0.165 | µg/L | Y | — | U | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -0.714 | 2.48 | 8.59 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90221 | 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 |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.21 | — | — | 0.5 | µg/L | Y | J | J | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.12 | — | — | 0.5 | µg/L | Y | J | J | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.76 | — | — | 0.5 | µg/L | Y | J | J | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.07 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | 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 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.39 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.468 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.465 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.479 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.459 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 0.495 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.33792 | — | — | — | permil | Y | — | NQ | 2015-316 | CAMO-15-90238 | EES6 |
| R-50 S2 | 1185 | 11/28/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.58 | — | — | — | permil | N | — | NQ | 12-438 | CAMO-12-1808 | EES6 |
| R-50 S2 | 1185 | 11/21/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 6.99 | — | — | — | permil | N | — | NQ | 12-410 | CAMO-12-1508 | EES6 |
| R-50 S2 | 1185 | 05/24/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.94629 | — | — | — | permil | N | — | NQ | 11-2523 | CAMO-11-10727 | EES6 |
| R-50 S2 | 1185 | 11/16/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 3.98564 | — | — | — | permil | N | — | NQ | 11-559 | CAMO-11-1315 | EES6 |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.50387 | — | — | — | permil | Y | — | NQ | 2015-316 | CAMO-15-90238 | EES6 |
| R-50 S2 | 1185 | 11/28/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3 | — | — | — | permil | N | — | NQ | 12-438 | CAMO-12-1808 | EES6 |
| R-50 S2 | 1185 | 05/24/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.78601 | — | — | — | permil | N | — | NQ | 11-2523 | CAMO-11-10727 | EES6 |
| R-50 S2 | 1185 | 11/16/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.85458 | — | — | — | permil | N | — | NQ | 11-559 | CAMO-11-1315 | EES6 |
| R-50 S2 | 1185 | 07/02/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.56595 | — | — | — | permil | N | — | NQ | 10-3559 | CAMO-10-22906 | EES6 |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.323 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.301 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.322 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.318 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.315 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0 | 0.0093 | 0.06 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90221 | 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 | 0.02 | — | 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 | 0.02 | — | 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 | 0.03 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 11-2527 | CAMO-11-10726 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.00465 | 0.00805 | 0.09 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90221 | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.05 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 11-2527 | CAMO-11-10726 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.38 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.44 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.44 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.23 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.29 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 0.223 | 18.5 | 50 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90221 | 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 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 77 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 76.9 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 80.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 70.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 76 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11 | — | — | 0.1 | mg/L | Y | EN | J+ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.7 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.37 | 1.3 | 4.54 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90221 | 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 |
| 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 |

**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 | 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 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 129 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 135 | — | — | 1 | µS/cm | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 131 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 136 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 137 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 51.4 | — | — | 1 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 51.3 | — | — | 1 | µg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 50.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 49.8 | — | — | 1 | µg/L | Y | E | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 50.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0197 | 0.114 | 0.45 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90221 | 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 | 0.49 | — | 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 | 0.48 | — | 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 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.62 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.39 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.41 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.48 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 2.55 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 187 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 143 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 159 | — | — | 3.4 | mg/L | Y | — | J | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 133 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 133 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.458 | — | — | 0.33 | mg/L | Y | J | J | 2015-318 | CAMO-15-90221 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 2014-4024 | CAMO-14-84004 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 2014-3407 | CAMO-14-75505 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 2014-2784 | CAMO-14-49671 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.666 | — | — | 0.33 | mg/L | Y | J | J | 2014-2449 | CAMO-14-45755 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.345 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0533 | — | — | 0.017 | mg/L | Y | — | J | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | 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 | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0425 | — | — | 0.017 | mg/L | Y | J | J | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0581 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | -0.189 | 0.703 | 2.41 | — | pCi/L | Y | U | U | 2015-379 | CAMO-15-90221 | ARSL |
| R-50 S2 | 1185 | 05/19/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | -0.632 | 0.573 | 1.97 | — | pCi/L | Y | U | U | 2014-3425 | CAMO-14-75505 | ARSL |
| R-50 S2 | 1185 | 11/12/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | 0.207 | 0.652 | 2.2 | — | pCi/L | Y | U | U | 2014-2451 | CAMO-14-45755 | ARSL |
| R-50 S2 | 1185 | 11/09/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | N | -0.287 | 0.883 | 3.03 | — | 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 | 2.14 | — | pCi/L | Y | U | U | 12-1342 | CAMO-12-14015 | ARSL |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.428 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.446 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.549 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.611 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.567 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.385 | 0.035 | 0.06 | — | pCi/L | Y | — | NQ | 2015-318 | CAMO-15-90221 | 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 | 0.06 | — | 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 | 0.07 | — | 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 | 0.04 | — | 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 | 0.07 | — | pCi/L | Y | — | NQ | 11-2527 | CAMO-11-10726 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0238 | 0.014 | 0.05 | — | pCi/L | Y | U | U | 2015-318 | CAMO-15-90221 | 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 | 0.04 | — | 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 | 0.05 | — | 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 | 0.03 | — | pCi/L | Y | — | NQ | 11-3082 | CAMO-11-24679 | 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 | 05/24/11 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0172 | 0.0092 | 0.06 | — | pCi/L | Y | U | U | 11-2527 | CAMO-11-10726 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.143 | 0.0213 | 0.05 | — | pCi/L | Y | — | NQ | 2015-318 | CAMO-15-90221 | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.03 | — | 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 | 0.04 | — | pCi/L | Y | — | NQ | 11-2527 | CAMO-11-10726 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 7.51 | — | — | 1 | µg/L | Y | — | NQ | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 7.24 | — | — | 1 | µg/L | Y | — | NQ | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 7.11 | — | — | 1 | µg/L | Y | — | NQ | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 6.62 | — | — | 1 | µg/L | Y | — | NQ | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.94 | — | — | 1 | µg/L | Y | — | NQ | 2014-2449 | CAMO-14-45771 | GELC |
| R-50 S2 | 1185 | 11/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 4.13 | — | — | 3.3 | µg/L | Y | J | J | 2015-318 | CAMO-15-90238 | GELC |
| R-50 S2 | 1185 | 07/24/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-4024 | CAMO-14-84015 | GELC |
| R-50 S2 | 1185 | 05/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3407 | CAMO-14-75520 | GELC |
| R-50 S2 | 1185 | 01/15/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 4.13 | — | — | 3.3 | µg/L | Y | J | J | 2014-2784 | CAMO-14-49682 | GELC |
| R-50 S2 | 1185 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 5.61 | — | — | 3.3 | µg/L | Y | J | J | 2014-2449 | CAMO-14-45771 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.66 | — | — | 0.01 | SU | Y | H | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 6.8 | — | — | 0.01 | SU | Y | H | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | 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 | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.35 | — | — | 0.01 | SU | Y | H | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.13 | — | — | 0.01 | SU | Y | H | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.46 | — | — | 0.01 | SU | Y | H | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | 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 | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 51.6 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 45.5 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 49.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 49.6 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 48.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 52.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 54.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | -0.0139 | 0.012 | 0.07 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00844 | 0.00517 | 0.05 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | -0.00416 | 0.00589 | 0.05 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00793 | 0.00591 | 0.03 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | -0.00272 | 0.00472 | 0.03 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.0023 | 0.00513 | 0.04 | — | pCi/L | Y | U | U | 2013-866 | CAMO-13-30584 | 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 | 0.03 | — | pCi/L | Y | U | U | 2013-334 | CAMO-13-24251 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 16 | — | — | 1 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 15.9 | — | — | 1 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 15.1 | — | — | 1 | µg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 13.4 | — | — | 1 | µg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Barium | Ba | Y | 13.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 13.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 15.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 14.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 58.4 | — | — | 1 | µg/L | Y | — | NQ | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 48.7 | — | — | 1 | µg/L | Y | — | NQ | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 62.4 | — | — | 1 | µg/L | Y | — | NQ | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 25.4 | — | — | 1 | µg/L | Y | — | NQ | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 15.9 | — | — | 15 | µg/L | Y | J | J | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 20.7 | — | — | 15 | µg/L | Y | J | J | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6010B | Boron | B | Y | 19.8 | — | — | 15 | µg/L | Y | J | J | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 28.8 | — | — | 15 | µg/L | Y | J | J | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 22.4 | — | — | 15 | µg/L | Y | J | J | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 11 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | 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 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 10.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 10.7 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 9.56 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 9.85 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 8.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 9.08 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 8.86 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 13.7 | — | — | 0.05 | mg/L | Y | — | NQ | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 13.3 | — | — | 0.05 | mg/L | Y | — | NQ | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 16.3 | — | — | 0.05 | mg/L | Y | — | NQ | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 12.4 | — | — | 0.05 | mg/L | Y | — | NQ | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -2.34 | 1.56 | 5.17 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 0.0743 | 1.98 | 5.97 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -1.02 | 2.69 | 7.99 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.444 | 1.38 | 4.7 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -1.18 | 1.29 | 4.18 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -2.71 | 2.04 | 5.53 | — | pCi/L | Y | U | U | 2013-866 | CAMO-13-30584 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3.13 | — | — | 0.067 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3.1 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3.13 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3.08 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3.08 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3.22 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 3.2 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 19.8 | — | — | 2 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 21.4 | — | — | 2 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 23.3 | — | — | 2 | µg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 21.4 | — | — | 2 | µg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 21.4 | — | — | 2 | µg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 19.7 | — | — | 2 | µg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 19.1 | — | — | 2 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 19.1 | — | — | 2 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.06 | — | — | 2 | µg/L | Y | J | J | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 5.28 | — | — | 2 | µg/L | Y | J | J | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 2.55 | — | — | 2 | µg/L | Y | J | J | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 18.2 | — | — | 2 | µg/L | Y | — | NQ | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -3.21 | 1.72 | 5.26 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.288 | 1.59 | 5.95 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -1.54 | 1.83 | 6.66 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 1.69 | 1.39 | 5.12 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.335 | 1.18 | 4.27 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.898 | 1.52 | 6.03 | — | pCi/L | Y | U | U | 2013-866 | CAMO-13-30584 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.357 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.276 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.307 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.326 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.366 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.41 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.407 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.901 | 0.573 | 2.8 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.0303 | 0.38 | 1.65 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.652 | 0.591 | 2.59 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.0975 | 0.646 | 2.93 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45756 | 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 | 11/15/13 | WG | UF | INIT | FD | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.847 | 0.487 | 2.96 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | Y | 2.26 | 0.386 | 0.99 | — | pCi/L | Y | — | NQ | 2013-866 | CAMO-13-30584 | 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 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 4.41 | 0.792 | 2.06 | — | pCi/L | Y | — | NQ | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 5.16 | 0.885 | 2.47 | — | pCi/L | Y | — | J | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | EPA:900 | Gross beta | GROSSB | Y | 7.19 | 0.995 | 2.57 | — | pCi/L | Y | — | NQ | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 7.53 | 1.2 | 2.96 | — | pCi/L | Y | — | J | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | EPA:900 | Gross beta | GROSSB | Y | 7.26 | 1.12 | 2.83 | — | pCi/L | Y | — | NQ | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 10.5 | 1.22 | 2.22 | — | pCi/L | Y | — | NQ | 2013-866 | CAMO-13-30584 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 42.7 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 41.6 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 42.3 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 37.5 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 38.7 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 35.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 36 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 35.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 50.3 | — | — | 0.45 | mg/L | Y | — | NQ | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 48.6 | — | — | 0.45 | mg/L | Y | — | NQ | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 59.9 | — | — | 0.45 | mg/L | Y | — | NQ | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 45.6 | — | — | 0.45 | mg/L | Y | — | NQ | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.7 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.65 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.75 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.31 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 3.42 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.2 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.23 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.18 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.91 | — | — | 0.11 | mg/L | Y | — | NQ | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.75 | — | — | 0.11 | mg/L | Y | — | NQ | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.65 | — | — | 0.11 | mg/L | Y | — | NQ | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 3.52 | — | — | 0.11 | mg/L | Y | — | NQ | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Manganese | Mn | Y | 2.49 | — | — | 2 | µg/L | Y | J | J | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6010C | Manganese | Mn | Y | 2.62 | — | — | 2 | µg/L | Y | J | J | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Manganese | Mn | Y | 3.23 | — | — | 2 | µg/L | Y | J | J | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Manganese | Mn | Y | 3.69 | — | — | 2 | µg/L | Y | J | J | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Manganese | Mn | Y | 3.91 | — | — | 2 | µg/L | Y | J | J | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Manganese | Mn | Y | 15.1 | — | — | 2 | µg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Manganese | Mn | Y | 11.1 | — | — | 2 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Manganese | Mn | Y | 11.1 | — | — | 2 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Manganese | Mn | Y | 925 | — | — | 2 | µg/L | Y | — | NQ | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6010B | Manganese | Mn | Y | 894 | — | — | 2 | µg/L | Y | — | NQ | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Manganese | Mn | Y | 1090 | — | — | 2 | µg/L | Y | — | NQ | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Manganese | Mn | Y | 118 | — | — | 2 | µg/L | Y | — | NQ | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.3 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.43 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.47 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.24 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.27 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.77 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.87 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 2.23 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 6.62 | — | — | 0.17 | µg/L | Y | — | NQ | 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 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 6.26 | — | — | 0.17 | µg/L | Y | — | NQ | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 13.4 | — | — | 0.17 | µg/L | Y | — | NQ | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 3.22 | — | — | 0.17 | µg/L | Y | — | J | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -0.778 | 3.33 | 11.8 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -2.69 | 3.51 | 12.1 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 2.89 | 3.82 | 14.2 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 1.81 | 2.31 | 8.43 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -2.02 | 2.3 | 7.62 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -1.95 | 3.36 | 11.8 | — | pCi/L | Y | U | U | 2013-866 | CAMO-13-30584 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.596 | — | — | 0.5 | µg/L | Y | J | J | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.675 | — | — | 0.5 | µg/L | Y | J | J | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.659 | — | — | 0.5 | µg/L | Y | J | J | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 0.65 | — | — | 0.5 | µg/L | Y | J | J | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.06 | — | — | 0.5 | µg/L | Y | J | J | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.27 | — | — | 0.5 | µg/L | Y | J | J | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.25 | — | — | 0.5 | µg/L | Y | J | J | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.12 | — | — | 0.085 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.94 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.98 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.31 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.89 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.88 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.93 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.14037 | — | — | — | permil | Y | — | NQ | 2015-388 | CAMO-15-90239 | EES6 |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 4.8 | — | — | — | permil | Y | — | NQ | 2014-2489 | CAMO-14-45729 | EES6 |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.79 | — | — | — | permil | Y | — | NQ | 2014-2489 | CAMO-14-45772 | EES6 |
| R-61 S1 | 1125 | 11/21/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 6.03 | — | — | — | permil | N | — | NQ | 12-410 | CAMO-12-1510 | EES6 |
| R-61 S1 | 1125 | 08/18/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.9 | — | — | — | permil | N | — | NQ | 11-3267 | CAMO-11-24696 | EES6 |
| R-61 S1 | 1125 | 05/20/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 5.68496 | — | — | — | permil | N | — | NQ | 11-2476 | CAMO-11-10853 | EES6 |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.98653 | — | — | — | permil | Y | — | NQ | 2015-388 | CAMO-15-90239 | EES6 |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.05 | — | — | — | permil | Y | — | NQ | 2014-2489 | CAMO-14-45729 | EES6 |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 0.98 | — | — | — | permil | Y | — | NQ | 2014-2489 | CAMO-14-45772 | EES6 |
| R-61 S1 | 1125 | 08/18/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.59 | — | — | — | permil | N | — | NQ | 11-3267 | CAMO-11-24696 | EES6 |
| R-61 S1 | 1125 | 05/20/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.14823 | — | — | — | permil | N | — | NQ | 11-2476 | CAMO-11-10853 | EES6 |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 8.78 | — | — | 1 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 8.47 | — | — | 1 | µg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 8.67 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 8.53 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 7.62 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 7.31 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 7.42 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0 | 0.00741 | 0.04 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00252 | 0.00666 | 0.03 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.008 | 0.0103 | 0.03 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0 | 0.00634 | 0.03 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.00264 | 0.00458 | 0.03 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.0189 | 0.00655 | 0.03 | — | pCi/L | Y | U | U | 2013-866 | CAMO-13-30584 | 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 | 0.03 | — | pCi/L | Y | U | U | 2013-334 | CAMO-13-24251 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0 | 0.00907 | 0.05 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.0101 | 0.00942 | 0.04 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.0133 | 0.00961 | 0.05 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0 | 0.00633 | 0.05 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.0344 | 0.0246 | 0.05 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.0284 | 0.00779 | 0.03 | — | pCi/L | Y | U | U | 2013-866 | CAMO-13-30584 | 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 | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00309 | 0.0069 | 0.05 | — | pCi/L | Y | U | U | 2013-334 | CAMO-13-24251 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 5.86 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 5.71 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 7.11 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 6.46 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Potassium | K | Y | 6.66 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 7.16 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 9.35 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Potassium | K | Y | 9.26 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.7 | — | — | 0.05 | mg/L | Y | — | NQ | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.61 | — | — | 0.05 | mg/L | Y | — | NQ | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.83 | — | — | 0.05 | mg/L | Y | — | NQ | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.41 | — | — | 0.05 | mg/L | Y | — | J | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 35.8 | 17.6 | 79.7 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -12 | 19.4 | 70.9 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 2.19 | 28 | 108 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 28.1 | 14.4 | 59.5 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 46.7 | 16.8 | 39 | — | pCi/L | Y | UI | R | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 31.2 | 29.3 | 63.3 | — | pCi/L | Y | U | U | 2013-866 | CAMO-13-30584 | 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 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 70.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 75.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 68.9 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 70.8 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 68.8 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 74.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 72.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.8 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.4 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.6 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 10.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Sodium | Na | Y | 9.96 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 18.4 | — | — | 0.1 | mg/L | Y | — | NQ | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6010B | Sodium | Na | Y | 17.6 | — | — | 0.1 | mg/L | Y | — | NQ | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 22.5 | — | — | 0.1 | mg/L | Y | — | NQ | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 18.5 | — | — | 0.1 | mg/L | Y | — | NQ | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 1.14 | 1.22 | 5.48 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.66 | 1.74 | 5.35 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.27 | 1.97 | 6.93 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.08 | 1.41 | 4.78 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -2.25 | 1.3 | 4.3 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.32 | 1.7 | 5.92 | — | pCi/L | Y | U | U | 2013-866 | CAMO-13-30584 | 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 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 137 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 145 | — | — | 1 | µS/cm | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 142 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 145 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 189 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 152 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 153 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 46.8 | — | — | 1 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 45.8 | — | — | 1 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90222 | 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 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 45.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 39.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 40.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 36.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 36.5 | — | — | 1 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 35.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 71.9 | — | — | 1 | µg/L | Y | — | NQ | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 69.8 | — | — | 1 | µg/L | Y | — | NQ | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 91.1 | — | — | 1 | µg/L | Y | — | NQ | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 62.2 | — | — | 1 | µg/L | Y | — | NQ | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.15 | 0.123 | 0.49 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.0851 | 0.137 | 0.48 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0786 | 0.131 | 0.5 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.27 | 0.117 | 0.48 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.163 | 0.12 | 0.49 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.379 | 0.15 | 0.49 | — | pCi/L | Y | U | U | 2013-866 | CAMO-13-30584 | 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 | 0.49 | — | pCi/L | Y | U | U | 2013-334 | CAMO-13-24251 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.52 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.3 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.29 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.26 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.28 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.49 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 5.49 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 119 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 131 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 164 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 151 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 116 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 147 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 146 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.558 | — | — | 0.33 | mg/L | Y | J | J- | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.42 | — | — | 0.33 | mg/L | Y | J | J | 2014-4004 | CAMO-14-84005 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.477 | — | — | 0.33 | mg/L | Y | J | J | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.476 | — | — | 0.33 | mg/L | Y | J | J | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1 | — | — | 0.33 | mg/L | Y | U | U | 2014-2804 | CAMO-14-49672 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.798 | — | — | 0.33 | mg/L | Y | J | J | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.847 | — | — | 0.33 | mg/L | Y | J | J | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 1.53 | — | — | 0.017 | mg/L | Y | — | J | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 1.75 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 1.74 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 1.59 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 2.7 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 2.92 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 2.97 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 28.856 | 4.466 | 2.2 | — | pCi/L | Y | — | NQ | 2015-459 | CAMO-15-90222 | ARSL |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 22.12 | 3.463 | 2.17 | — | pCi/L | Y | — | J- | 2014-3427 | CAMO-14-75506 | ARSL |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 22.725 | 3.563 | 2.28 | — | pCi/L | Y | — | J- | 2014-3427 | CAMO-14-75484 | ARSL |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 17.512 | 2.783 | 2.11 | — | pCi/L | Y | — | J- | 2014-2520 | CAMO-14-45756 | ARSL |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 6.826 | 1.243 | 1.96 | — | pCi/L | Y | — | J- | 2014-2520 | CAMO-14-45726 | ARSL |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 20.895 | 3.297 | 2.27 | — | pCi/L | Y | — | J- | 2013-876 | CAMO-13-30584 | ARSL |
| R-61 S1 | 1125 | 11/15/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 30.976 | 4.788 | 2.4 | — | pCi/L | Y | — | NQ | 2013-360 | CAMO-13-24251 | ARSL |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.185 | — | — | 0.067 | µg/L | Y | J | J | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.164 | — | — | 0.067 | µg/L | Y | J | J | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.154 | — | — | 0.067 | µg/L | Y | J | J | 2014-4004 | CAMO-14-84016 | 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 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.124 | — | — | 0.067 | µg/L | Y | J | J | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.125 | — | — | 0.067 | µg/L | Y | J | J | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.11 | — | — | 0.067 | µg/L | Y | J | J | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.167 | — | — | 0.067 | µg/L | Y | J | J | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.175 | — | — | 0.067 | µg/L | Y | J | J | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.77 | — | — | 0.067 | µg/L | Y | — | NQ | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.8 | — | — | 0.067 | µg/L | Y | — | NQ | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.985 | — | — | 0.067 | µg/L | Y | — | NQ | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.824 | — | — | 0.067 | µg/L | Y | — | NQ | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.117 | 0.0311 | 0.11 | — | pCi/L | Y | — | NQ | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.0754 | 0.0144 | 0.05 | — | pCi/L | Y | — | J | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.124 | 0.0212 | 0.07 | — | pCi/L | Y | — | NQ | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.099 | 0.0162 | 0.04 | — | pCi/L | Y | — | NQ | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.0954 | 0.0159 | 0.04 | — | pCi/L | Y | — | NQ | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.113 | 0.0215 | 0.08 | — | pCi/L | Y | — | J | 2013-866 | CAMO-13-30584 | 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 | 0.07 | — | pCi/L | Y | — | NQ | 2013-334 | CAMO-13-24251 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0138 | 0.0138 | 0.1 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.00901 | 0.00901 | 0.05 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.00728 | 0.0103 | 0.06 | — | pCi/L | Y | U | U | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0128 | 0.00765 | 0.03 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0168 | 0.00798 | 0.02 | — | pCi/L | Y | U | U | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0041 | 0.0109 | 0.04 | — | pCi/L | Y | U | U | 2013-866 | CAMO-13-30584 | 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 | 0.04 | — | pCi/L | Y | U | U | 2013-334 | CAMO-13-24251 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | N | 0.0447 | 0.0209 | 0.11 | — | pCi/L | Y | U | U | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.0486 | 0.0114 | 0.04 | — | pCi/L | Y | — | NQ | 2014-3426 | CAMO-14-75506 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.0501 | 0.0147 | 0.04 | — | pCi/L | Y | — | NQ | 2014-3426 | CAMO-14-75484 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.066 | 0.0127 | 0.02 | — | pCi/L | Y | — | NQ | 2014-2491 | CAMO-14-45756 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.0876 | 0.0136 | 0.02 | — | pCi/L | Y | — | NQ | 2014-2491 | CAMO-14-45726 | GELC |
| R-61 S1 | 1125 | 05/17/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.0796 | 0.0176 | 0.05 | — | pCi/L | Y | — | J | 2013-866 | CAMO-13-30584 | 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 | 0.05 | — | pCi/L | Y | — | NQ | 2013-334 | CAMO-13-24251 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 5.26 | — | — | 1 | µg/L | Y | — | NQ | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.7 | — | — | 1 | µg/L | Y | J | J | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 5.02 | — | — | 1 | µg/L | Y | — | NQ | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.37 | — | — | 1 | µg/L | Y | J | J | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Vanadium | V | Y | 4.89 | — | — | 1 | µg/L | Y | J | J | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 4.67 | — | — | 1 | µg/L | Y | J | J | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 5.03 | — | — | 1 | µg/L | Y | — | NQ | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 4.98 | — | — | 1 | µg/L | Y | J | J | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 1.27 | — | — | 1 | µg/L | Y | J | J | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 1.49 | — | — | 1 | µg/L | Y | J | J | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | N | 5 | — | — | 1 | µg/L | Y | U | U | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 3.74 | — | — | 1 | µg/L | Y | J | J | 11-2470 | CAMO-11-10852 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 5.88 | — | — | 3.3 | µg/L | Y | J | J | 2015-391 | CAMO-15-90239 | GELC |
| R-61 S1 | 1125 | 11/19/14 | WG | UF | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 6 | — | — | 3.3 | µg/L | Y | J | J | 2015-391 | CAMO-15-90222 | GELC |
| R-61 S1 | 1125 | 07/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-4004 | CAMO-14-84016 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3426 | CAMO-14-75521 | GELC |
| R-61 S1 | 1125 | 05/20/14 | WG | F | INIT | FD | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3426 | CAMO-14-75487 | GELC |
| R-61 S1 | 1125 | 01/23/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2804 | CAMO-14-49683 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2491 | CAMO-14-45772 | GELC |
| R-61 S1 | 1125 | 11/15/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2491 | CAMO-14-45729 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | N | 3.52 | — | — | 3.3 | µg/L | Y | J | U | 12-412 | CAMO-12-1513 | GELC |
| R-61 S1 | 1125 | 11/21/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 3.37 | — | — | 3.3 | µg/L | Y | J | U | 12-412 | CAMO-12-1511 | GELC |
| R-61 S1 | 1125 | 08/18/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 4.19 | — | — | 3.3 | µg/L | Y | J | J | 11-3264 | CAMO-11-24698 | GELC |
| R-61 S1 | 1125 | 05/20/11 | WG | UF | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 20.2 | — | — | 3.3 | µg/L | Y | — | NQ | 11-2470 | CAMO-11-10852 | GELC |
| R-62 | 1158.4 | 11/17/14 | 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 | 2015-355 | CAMO-15-90240 | 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 | 06/26/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.79 | — | — | 0.01 | SU | Y | H | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.03 | — | — | 0.01 | SU | Y | H | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.28 | — | — | 0.01 | SU | Y | H | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | 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 | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.37 | — | — | 0.01 | SU | Y | H | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.64 | — | — | 0.01 | SU | Y | H | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 8.63 | — | — | 0.01 | SU | Y | H | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | Y | 1.03 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | N | 1 | — | — | 0.725 | mg/L | Y | U | U | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | Y | 1.05 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | Y | 2.11 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | N | 1 | — | — | 0.725 | mg/L | Y | U | U | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | N | 1 | — | — | 0.725 | mg/L | Y | U | U | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | Y | 2.03 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3 | ALK-CO3 | Y | 2.03 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 65 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 59.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 62.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 62.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 61.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 67.1 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 59.9 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 60.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00298 | 0.00894 | 0.06 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00959 | 0.0117 | 0.09 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0 | 0.0075 | 0.03 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.0072 | 0.00536 | 0.03 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | -0.00325 | 0.00562 | 0.06 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0 | 0.00452 | 0.06 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30562 | 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 | 0.02 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 2013-297 | CAMO-13-24228 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0326 | — | — | 0.017 | mg/L | Y | J | J | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0866 | — | — | 0.017 | mg/L | Y | — | U | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0243 | — | — | 0.017 | mg/L | Y | J | J | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0401 | — | — | 0.017 | mg/L | Y | J | J | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.084 | — | — | 0.017 | mg/L | Y | — | U | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.05 | — | — | 0.017 | mg/L | Y | U | U | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0937 | — | — | 0.017 | mg/L | Y | — | U | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0316 | — | — | 0.017 | mg/L | Y | J | U | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 26.2 | — | — | 1 | µg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 29.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 30.4 | — | — | 1 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 29.8 | — | — | 1 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 30.6 | — | — | 1 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 29 | — | — | 1 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 25.2 | — | — | 1 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Barium | Ba | Y | 27.7 | — | — | 1 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0905 | — | — | 0.067 | mg/L | Y | J | J | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0762 | — | — | 0.067 | mg/L | Y | J | J | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0784 | — | — | 0.067 | mg/L | Y | J | J | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0828 | — | — | 0.067 | mg/L | Y | J | J | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | N | 0.2 | — | — | 0.067 | mg/L | Y | U | U | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.0717 | — | — | 0.067 | mg/L | Y | J | J | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Bromide | Br(-1) | Y | 0.179 | — | — | 0.067 | mg/L | Y | J | J | 2013-822 | CAMO-13-30564 | 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 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 18.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 20.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 19.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 19 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 19.3 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 18.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 16.8 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 17.4 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 2.58 | 1.43 | 5.89 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 0.337 | 1.52 | 5.55 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | -0.828 | 1.26 | 4.22 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 0.0448 | 1.01 | 3.58 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 0.346 | 1.4 | 4.95 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 4.24 | 1.72 | 4.42 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30562 | 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 | 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 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 7.25 | — | — | 0.134 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 11.7 | — | — | 0.134 | mg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 9.19 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 9.18 | — | — | 0.067 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 8.07 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 8.07 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 7.71 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 7.73 | — | — | 0.067 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 104 | — | — | 2 | µg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | RE | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 240 | — | — | 10 | µg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 221 | — | — | 2 | µg/L | N | — | J | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 148 | — | — | 2 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 147 | — | — | 2 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 136 | — | — | 2 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 133 | — | — | 2 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 131 | — | — | 2 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 139 | — | — | 2 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -1.55 | 1.39 | 4.67 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.629 | 1.61 | 6.31 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.453 | 1.09 | 4.21 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.504 | 0.913 | 3.41 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.776 | 1.4 | 5.86 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.0409 | 1.9 | 7.09 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30562 | 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 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.219 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.177 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.21 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.198 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.184 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.187 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.181 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.194 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.293 | 0.284 | 0.97 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.239 | 1.13 | 3.94 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 1.29 | 0.868 | 2.91 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | EPA:900 | Gross alpha | GROSSA | N | 1.43 | 0.601 | 1.76 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 1.38 | 0.856 | 2.75 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | EPA:900 | Gross alpha | GROSSA | N | -0.0718 | 0.668 | 2.97 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30562 | 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 | 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 | 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 | 11/17/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 0.73 | 0.381 | 1.25 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | -0.995 | 1.8 | 6.06 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 1.49 | 0.735 | 2.38 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | EPA:900 | Gross beta | GROSSB | N | -0.479 | 0.776 | 2.8 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 4.15 | 0.985 | 2.83 | — | pCi/L | Y | — | NQ | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | EPA:900 | Gross beta | GROSSB | Y | 2.93 | 0.873 | 2.48 | — | pCi/L | Y | — | NQ | 2013-822 | CAMO-13-30562 | 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 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 67.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 76.7 | — | — | 4.53 | mg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 69.1 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 68.7 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 70.4 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 67.3 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 60.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 62.2 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 5.08 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 5.74 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 5.23 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 5.17 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 5.38 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 5.09 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.45 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 4.59 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.863 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.713 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.56 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.44 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.34 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.3 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.53 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 1.58 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 0.118 | 2.8 | 10.1 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -1.41 | 2.93 | 10.3 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -1.11 | 2.22 | 7.55 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 0.174 | 2.14 | 7.71 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -0.32 | 3.01 | 10.7 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 0.359 | 3.25 | 11.5 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30562 | 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 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.22 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 3.14 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.65 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.61 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.81 | — | — | 0.5 | µg/L | Y | J | J | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.82 | — | — | 0.5 | µg/L | Y | J | J | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 1.96 | — | — | 0.5 | µg/L | Y | J | J | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 2.11 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.09 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | 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 | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.39 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.27 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.06 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | 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 | 07/19/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.03 | — | — | 0.085 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.01 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.02 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 8.13432 | — | — | — | permil | Y | — | NQ | 2015-349 | CAMO-15-90240 | EES6 |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 9.38 | — | — | — | permil | Y | — | NQ | 2014-2447 | CAMO-14-45727 | EES6 |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 9.55 | — | — | — | permil | Y | — | NQ | 2014-2447 | CAMO-14-45774 | EES6 |
| R-62 | 1158.4 | 11/08/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 9.67763 | — | — | — | permil | Y | — | NQ | 2013-301 | CAMO-13-24370 | EES6 |
| R-62 | 1158.4 | 11/08/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 9.45335 | — | — | — | permil | N | — | NQ | 2013-301 | CAMO-13-24370 | EES6 |
| R-62 | 1158.4 | 08/08/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 9.91854 | — | — | — | permil | Y | — | NQ | 12-1485 | CAMO-12-22328 | EES6 |
| R-62 | 1158.4 | 08/08/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 9.83189 | — | — | — | permil | N | — | NQ | 12-1485 | CAMO-12-22328 | EES6 |
| R-62 | 1158.4 | 06/06/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 9.79795 | — | — | — | permil | Y | — | NQ | 12-1348 | CAMO-12-14078 | EES6 |
| R-62 | 1158.4 | 06/06/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 9.66856 | — | — | — | permil | N | — | NQ | 12-1348 | CAMO-12-14078 | EES6 |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.60706 | — | — | — | permil | Y | — | NQ | 2015-349 | CAMO-15-90240 | EES6 |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -1.18 | — | — | — | permil | Y | — | NQ | 2014-2447 | CAMO-14-45727 | EES6 |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.15 | — | — | — | permil | Y | — | NQ | 2014-2447 | CAMO-14-45774 | EES6 |
| R-62 | 1158.4 | 11/08/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.39111 | — | — | — | permil | Y | — | NQ | 2013-301 | CAMO-13-24370 | EES6 |
| R-62 | 1158.4 | 11/08/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -3.73322 | — | — | — | permil | N | — | NQ | 2013-301 | CAMO-13-24370 | EES6 |
| R-62 | 1158.4 | 08/08/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -0.61646 | — | — | — | permil | Y | — | NQ | 12-1485 | CAMO-12-22328 | EES6 |
| R-62 | 1158.4 | 08/08/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.22148 | — | — | — | permil | N | — | NQ | 12-1485 | CAMO-12-22328 | EES6 |
| R-62 | 1158.4 | 06/06/12 | WG | F | REP | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.04397 | — | — | — | permil | Y | — | NQ | 12-1348 | CAMO-12-14078 | EES6 |
| R-62 | 1158.4 | 06/06/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | -2.05619 | — | — | — | permil | N | — | NQ | 12-1348 | CAMO-12-14078 | EES6 |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.842 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.797 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.771 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.719 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.773 | — | — | 0.05 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.77 | — | — | 0.05 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.739 | — | — | 0.05 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.725 | — | — | 0.05 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.0182 | 0.00908 | 0.03 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00241 | 0.00418 | 0.02 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.0023 | 0.00399 | 0.02 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.0176 | 0.0121 | 0.03 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.00923 | 0.00863 | 0.03 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0 | 0.00965 | 0.06 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30562 | 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 | 0.03 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 2013-297 | CAMO-13-24228 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.0113 | 0.00818 | 0.04 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.00482 | 0.00591 | 0.05 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.0046 | 0.00651 | 0.04 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0 | 0.0087 | 0.04 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0 | 0.00652 | 0.04 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.0158 | 0.00965 | 0.07 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30562 | 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 | 0.05 | — | 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-239/240 | Pu-239/240 | N | -0.0025 | 0.00662 | 0.04 | — | pCi/L | Y | U | U | 2013-297 | CAMO-13-24228 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.17 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.41 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.39 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.36 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.38 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.47 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.55 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -15 | 16.8 | 60.2 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 2.92 | 23.7 | 50.1 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | 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 | 11/12/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 11.2 | 19.9 | 51.3 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 22.1 | 15.1 | 35.8 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -2.88 | 18.7 | 72.8 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 9.73 | 19.1 | 63.1 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30562 | 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 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 63.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 65.3 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 64.9 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 62.9 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 65.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 63.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 57.9 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 59.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 10.7 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 11.7 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 11.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Sodium | Na | Y | 11.6 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 12.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Sodium | Na | Y | 11.8 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 12 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Sodium | Na | Y | 12.2 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -0.721 | 1.49 | 5.37 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 0.261 | 1.13 | 4.64 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -0.512 | 0.996 | 3.63 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.5 | 1.11 | 3.61 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -1.33 | 1.54 | 5.41 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 2.3 | 1.61 | 6.94 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30562 | 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 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 171 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 211 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 195 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 194 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 191 | — | — | 1 | µS/cm | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 190 | — | — | 1 | µS/cm | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 186 | — | — | 1 | µS/cm | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 188 | — | — | 1 | µS/cm | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 82.7 | — | — | 1 | µg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 84.9 | — | — | 1 | µg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 98.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 98.2 | — | — | 1 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 103 | — | — | 1 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 98.2 | — | — | 1 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 98.5 | — | — | 1 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 102 | — | — | 1 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0068 | 0.131 | 0.48 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.314 | 0.115 | 0.52 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0215 | 0.128 | 0.49 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.119 | 0.12 | 0.48 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.162 | 0.145 | 0.49 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.0627 | 0.141 | 0.5 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30562 | 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 | 0.46 | — | 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 | 0.49 | — | pCi/L | Y | U | U | 2013-297 | CAMO-13-24228 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.4 | — | — | 0.133 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | 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 | 06/26/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 20.2 | — | — | 0.266 | mg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 16 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 16.1 | — | — | 0.133 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.9 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 14 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.1 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 13.1 | — | — | 0.133 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 144 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 153 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 151 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 167 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 154 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 139 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 141 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 154 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.508 | — | — | 0.33 | mg/L | Y | J | J- | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.35 | — | — | 0.33 | mg/L | Y | J | J | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.442 | — | — | 0.33 | mg/L | Y | J | J | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.455 | — | — | 0.33 | mg/L | Y | J | J | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.394 | — | — | 0.33 | mg/L | Y | J | J | 2013-1260 | CAMO-13-36979 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.4 | — | — | 0.33 | mg/L | Y | J | J | 2013-1260 | CAMO-13-36970 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.51 | — | — | 0.33 | mg/L | Y | J | J | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.703 | — | — | 0.33 | mg/L | Y | J | J | 2013-822 | CAMO-13-30562 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 9.919 | 1.732 | 2.38 | — | pCi/L | Y | — | NQ | 2015-379 | CAMO-15-90223 | ARSL |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 6.446 | 1.189 | 1.93 | — | pCi/L | Y | — | J- | 2014-2451 | CAMO-14-45758 | ARSL |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 6.315 | 1.128 | 1.67 | — | pCi/L | Y | — | J- | 2014-2451 | CAMO-14-45724 | ARSL |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 4.46 | 1.03 | 2.36 | — | pCi/L | Y | — | J- | 2013-818 | CAMO-13-30586 | ARSL |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 3.95 | 0.98 | 2.37 | — | pCi/L | Y | — | J- | 2013-818 | CAMO-13-30562 | ARSL |
| R-62 | 1158.4 | 11/08/12 | WG | UF | INIT | REG | RAD | Generic:Low_Level_Tritium | Tritium | H-3 | Y | 5.878 | 1.245 | 2.59 | — | 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 | 2.03 | — | pCi/L | Y | — | U | 12-1497 | CAMO-12-21741 | ARSL |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.861 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.857 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.849 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.855 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.84 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.853 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.84 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6020 | Uranium | U | Y | 0.858 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.666 | 0.0586 | 0.1 | — | pCi/L | Y | — | NQ | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.514 | 0.0362 | 0.05 | — | pCi/L | Y | — | NQ | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.625 | 0.0404 | 0.05 | — | pCi/L | Y | — | J | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.635 | 0.045 | 0.06 | — | pCi/L | Y | — | NQ | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.563 | 0.0497 | 0.09 | — | pCi/L | Y | — | NQ | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 0.701 | 0.0471 | 0.07 | — | pCi/L | Y | — | NQ | 2013-822 | CAMO-13-30562 | 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 | 0.07 | — | 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-234 | U-234 | Y | 0.783 | 0.0494 | 0.07 | — | pCi/L | Y | — | NQ | 2013-297 | CAMO-13-24228 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0 | 0.0116 | 0.08 | — | pCi/L | Y | U | U | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.00903 | 0.00796 | 0.03 | — | pCi/L | Y | U | U | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0125 | 0.00885 | 0.03 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0298 | 0.0129 | 0.04 | — | pCi/L | Y | U | U | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0512 | 0.0177 | 0.04 | — | pCi/L | Y | — | U | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0225 | 0.0106 | 0.03 | — | pCi/L | Y | U | U | 2013-822 | CAMO-13-30562 | 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 | 0.04 | — | 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:ISOU | Uranium-235/236 | U-235/236 | N | 0.0319 | 0.0128 | 0.04 | — | pCi/L | Y | U | U | 2013-297 | CAMO-13-24228 | 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 | 11/17/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.258 | 0.0366 | 0.09 | — | pCi/L | Y | — | NQ | 2015-355 | CAMO-15-90223 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.231 | 0.0242 | 0.05 | — | pCi/L | Y | — | NQ | 2014-3641 | CAMO-14-83983 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.228 | 0.0248 | 0.03 | — | pCi/L | Y | — | J | 2014-2448 | CAMO-14-45758 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.25 | 0.0278 | 0.03 | — | pCi/L | Y | — | NQ | 2014-2448 | CAMO-14-45724 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.286 | 0.0358 | 0.06 | — | pCi/L | Y | — | J | 2013-822 | CAMO-13-30586 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | UF | INIT | FD | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.392 | 0.0347 | 0.04 | — | pCi/L | Y | — | NQ | 2013-822 | CAMO-13-30562 | 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 | 0.05 | — | 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 | 0.05 | — | pCi/L | Y | — | NQ | 2013-297 | CAMO-13-24228 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 3.66 | — | — | 1 | µg/L | Y | J | J | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 3.65 | — | — | 1 | µg/L | Y | J | J | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 3.61 | — | — | 1 | µg/L | Y | J | J | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 3.26 | — | — | 1 | µg/L | Y | J | J | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 3.31 | — | — | 1 | µg/L | Y | J | J | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 3.1 | — | — | 1 | µg/L | Y | J | J | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 2.47 | — | — | 1 | µg/L | Y | J | J | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Vanadium | V | Y | 2.52 | — | — | 1 | µg/L | Y | J | J | 2013-822 | CAMO-13-30564 | GELC |
| R-62 | 1158.4 | 11/17/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 4.04 | — | — | 3.3 | µg/L | Y | J | J | 2015-355 | CAMO-15-90240 | GELC |
| R-62 | 1158.4 | 06/26/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3641 | CAMO-14-83984 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 7.48 | — | — | 3.3 | µg/L | Y | J | J | 2014-2448 | CAMO-14-45774 | GELC |
| R-62 | 1158.4 | 11/12/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 6.67 | — | — | 3.3 | µg/L | Y | J | J | 2014-2448 | CAMO-14-45727 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 7.79 | — | — | 3.3 | µg/L | Y | J | J | 2013-1260 | CAMO-13-36987 | GELC |
| R-62 | 1158.4 | 07/19/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 6.85 | — | — | 3.3 | µg/L | Y | J | J | 2013-1260 | CAMO-13-36971 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 5.09 | — | — | 3.3 | µg/L | Y | J | J | 2013-822 | CAMO-13-30602 | GELC |
| R-62 | 1158.4 | 05/08/13 | WG | F | INIT | FD | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 6.86 | — | — | 3.3 | µg/L | Y | J | J | 2013-822 | CAMO-13-30564 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.81 | — | — | 0.01 | SU | Y | H | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | 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 | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | 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 | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | 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 | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 103 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 106 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 99 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 105 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.00406 | 0.00703 | 0.08 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.0186 | 0.0224 | 0.08 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 0.05 | — | 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 | 0.04 | — | 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 | 0.04 | — | 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 | 0.04 | — | pCi/L | Y | U | U | 10-3651 | CASA-10-22648 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0831 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0177 | — | — | 0.017 | mg/L | Y | J | J | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0935 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.127 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 2.17 | — | — | 1.7 | µg/L | Y | J | J | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 5.15 | — | — | 1.7 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | Y | 2.31 | — | — | 1.7 | µg/L | Y | J | J | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Arsenic | As | N | 5 | — | — | 1.7 | µg/L | Y | U | U | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 34.2 | — | — | 1 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 33.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 30.7 | — | — | 1 | µg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 41 | — | — | 1 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 33.7 | — | — | 1 | µg/L | Y | — | NQ | 2013-264 | CASA-13-24223 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 75.8 | — | — | 15 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 77.3 | — | — | 15 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 78 | — | — | 15 | µg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 80.6 | — | — | 15 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 85.8 | — | — | 15 | µg/L | Y | — | NQ | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 58.4 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 63 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 54.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 66.9 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 1.93 | 0.603 | 3.2 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 2.1 | 1.19 | 4.62 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 120 | — | — | 1.34 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 120 | — | — | 1.68 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 121 | — | — | 1.34 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 124 | — | — | 1.34 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 10.2 | — | — | 2 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 8.67 | — | — | 2 | µg/L | Y | J | J | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 8.68 | — | — | 2 | µg/L | Y | J | J | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 10.5 | — | — | 2 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 10.1 | — | — | 2 | µg/L | Y | — | NQ | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.419 | 1.18 | 4.73 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | -0.434 | 1.27 | 4.64 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 11/12/14 | WG | F | RE | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.165 | — | — | 0.033 | mg/L | Y | H | J- | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 1.06 | — | — | 0.66 | mg/L | N | J | R | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.189 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.189 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.174 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 1.95 | 0.711 | 2.22 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 0.761 | 0.85 | 2.95 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 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 | 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 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 2.84 | 0.603 | 1.9 | — | pCi/L | Y | — | NQ | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | N | 1.32 | 0.796 | 2.57 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 182 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 195 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 170 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 209 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | GELC |
| 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 |

**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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 8.83 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 9.27 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 8.3 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 10.3 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 79.6 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 73.6 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 92.6 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 78.2 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 86.9 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 2.13 | 2.46 | 9.1 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | -1.31 | 2.49 | 8.36 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 5.09 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 5.25 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 4.88 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 6.33 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 4.02 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.95 | — | — | 0.085 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 1.98 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.13 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 2.09 | — | — | 0.085 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 26.9413 | — | — | — | permil | Y | — | NQ | 2015-292 | CASA-15-90263 | EES6 |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 26.98 | — | — | — | permil | Y | — | NQ | 2014-2513 | CASA-14-45718 | EES6 |
| SCI-1 | 358.4 | 11/16/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 28.37 | — | — | — | permil | N | — | NQ | 12-351 | CASA-12-1374 | EES6 |
| SCI-1 | 358.4 | 07/12/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 25.2169 | — | — | — | permil | N | — | NQ | 10-3648 | CASA-10-22647 | EES6 |
| SCI-1 | 358.4 | 05/07/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 24.5692 | — | — | — | permil | N | — | NQ | 10-3101 | CASA-10-16756 | EES6 |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 5.88122 | — | — | — | permil | Y | — | NQ | 2015-292 | CASA-15-90263 | EES6 |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 5.3 | — | — | — | permil | Y | — | NQ | 2014-2513 | CASA-14-45718 | EES6 |
| SCI-1 | 358.4 | 11/16/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 5.84 | — | — | — | permil | N | — | NQ | 12-351 | CASA-12-1374 | EES6 |
| SCI-1 | 358.4 | 07/12/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 6.82525 | — | — | — | permil | N | — | NQ | 10-3648 | CASA-10-22647 | EES6 |
| SCI-1 | 358.4 | 05/07/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 3.8577 | — | — | — | permil | N | — | NQ | 10-3101 | CASA-10-16756 | EES6 |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.667 | — | — | 0.05 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.613 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.68 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.682 | — | — | 0.05 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | µg/L | Y | — | NQ | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00521 | 0.00521 | 0.03 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | -0.012 | 0.0207 | 0.06 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 0.03 | — | 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 | 0.02 | — | 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 | 0.02 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3651 | CASA-10-22648 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.00782 | 0.00782 | 0.05 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | -0.012 | 0.0189 | 0.09 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 0.06 | — | 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 | 0.03 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3651 | CASA-10-22648 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.56 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 1.37 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | 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 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 1.79 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | GELC |
| 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 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | -10.6 | 17.9 | 61.2 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 42.5 | 19 | 44.9 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 59.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 61.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 57.7 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 67.5 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 56.9 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 64.3 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 55.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 58.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -0.367 | 1.33 | 5.01 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | 1.34 | 1.11 | 4.55 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 668 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 705 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 714 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 724 | — | — | 1 | µS/cm | Y | — | NQ | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 696 | — | — | 1 | µS/cm | Y | — | NQ | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 261 | — | — | 1 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 274 | — | — | 1 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 237 | — | — | 1 | µg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 309 | — | — | 1 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 280 | — | — | 1 | µg/L | Y | — | NQ | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.232 | 0.12 | 0.47 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.185 | 0.144 | 0.49 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 0.49 | — | 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 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 52.9 | — | — | 2.66 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 51.8 | — | — | 3.33 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 59.2 | — | — | 2.66 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 66.7 | — | — | 2.66 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Tin | Sn | Y | 2.84 | — | — | 2.5 | µg/L | Y | J | J | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Tin | Sn | N | 100 | — | — | 25 | µg/L | Y | U | U | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Tin | Sn | N | 50 | — | — | 12.5 | µg/L | Y | U | U | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Tin | Sn | N | 10 | — | — | 2.5 | µg/L | Y | U | U | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Tin | Sn | N | 100 | — | — | 25 | µg/L | Y | U | U | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 459 | — | — | 3.4 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 487 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 454 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 357 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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:160.1 | Total Dissolved Solids | TDS | Y | 456 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.166 | — | — | 0.033 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.0863 | — | — | 0.033 | mg/L | Y | J | J | 2014-3374 | CASA-14-75530 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.118 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45710 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.123 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30548 | 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 | 11/12/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.3 | — | — | 0.33 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.39 | — | — | 0.33 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75530 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.72 | — | — | 0.33 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45710 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.54 | — | — | 0.33 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30548 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | N | 1.2 | — | — | 0.33 | mg/L | Y | — | U | 2013-264 | CASA-13-24215 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.889 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 1.17 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 1.08 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.775 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | 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 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:906.0 | Tritium | H-3 | N | 19.5 | 56.6 | 202 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | EPA:906.0 | Tritium | H-3 | N | 23.2 | 45.6 | 163 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 2.19 | — | pCi/L | Y | — | NQ | 11-2519 | CASA-11-10805 | ARSL |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.84 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 2.45 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 2.18 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 2.03 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 2.32 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 1.43 | 0.0713 | 0.07 | — | pCi/L | Y | — | NQ | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 1.41 | 0.0905 | 0.11 | — | pCi/L | Y | — | J | 2014-2516 | CASA-14-45710 | 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 | 0.07 | — | 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 | 0.06 | — | 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 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | Y | 0.0622 | 0.0181 | 0.06 | — | pCi/L | Y | — | NQ | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0695 | 0.026 | 0.07 | — | pCi/L | Y | U | U | 2014-2516 | CASA-14-45710 | 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 | 0.05 | — | 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 | 0.03 | — | 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 | 0.06 | — | 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 | 0.07 | — | pCi/L | Y | U | U | 10-3651 | CASA-10-22648 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.698 | 0.0491 | 0.07 | — | pCi/L | Y | — | NQ | 2015-296 | CASA-15-90255 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.681 | 0.0634 | 0.06 | — | pCi/L | Y | — | J | 2014-2516 | CASA-14-45710 | 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 | 0.05 | — | 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 | 0.03 | — | 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 | 0.09 | — | 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 | 0.08 | — | pCi/L | Y | — | NQ | 10-3651 | CASA-10-22646 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 1.68 | — | — | 1 | µg/L | Y | J | J | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Vanadium | V | Y | 1.06 | — | — | 1 | µg/L | Y | J | J | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | N | 5 | — | — | 1 | µg/L | Y | U | U | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 1.32 | — | — | 1 | µg/L | Y | J | J | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Vanadium | V | Y | 2.17 | — | — | 1 | µg/L | Y | J | J | 2013-264 | CASA-13-24223 | GELC |
| SCI-1 | 358.4 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 11.8 | — | — | 3.3 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90263 | GELC |
| SCI-1 | 358.4 | 05/08/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3374 | CASA-14-75538 | GELC |
| SCI-1 | 358.4 | 11/19/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2516 | CASA-14-45718 | GELC |
| SCI-1 | 358.4 | 05/17/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-868 | CASA-13-30556 | GELC |
| SCI-1 | 358.4 | 11/02/12 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2013-264 | CASA-13-24223 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.83 | — | — | 0.01 | SU | Y | H | NQ | 2015-296 | CASA-15-90264 | 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 | 07/30/14 | 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 | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.83 | — | — | 0.01 | SU | Y | H | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.83 | — | — | 0.01 | SU | Y | H | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:150.1 | Acidity or Alkalinity of a solution | pH | Y | 7.57 | — | — | 0.01 | SU | Y | H | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 87.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 76 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 83.4 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 86.2 | — | — | 0.725 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:310.1 | Alkalinity-CO3+HCO3 | ALK-CO3+HCO3 | Y | 85.3 | — | — | 0.725 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:AM-241 | Americium-241 | Am-241 | N | 0.0071 | 0.0071 | 0.07 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90256 | 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 | 0.03 | — | 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 | 0.04 | — | 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 | 0.02 | — | pCi/L | Y | U | U | 10-3084 | CASA-10-16763 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.131 | — | — | 0.017 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0502 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | N | 0.0367 | — | — | 0.017 | mg/L | Y | J | U | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.0277 | — | — | 0.017 | mg/L | Y | J | J | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:350.1 | Ammonia as Nitrogen | NH3-N | Y | 0.452 | — | — | 0.017 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 66.7 | — | — | 1 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 64.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Barium | Ba | Y | 70.4 | — | — | 1 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 65.6 | — | — | 1 | µg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Barium | Ba | Y | 69.4 | — | — | 1 | µg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 20.5 | — | — | 15 | µg/L | Y | J | J | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 23.1 | — | — | 15 | µg/L | Y | J | J | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Boron | B | Y | 22.7 | — | — | 15 | µg/L | Y | J | J | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 18.1 | — | — | 15 | µg/L | Y | J | J | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Boron | B | Y | 18.9 | — | — | 15 | µg/L | Y | J | J | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 67 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 68.1 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Calcium | Ca | Y | 73.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 67.9 | — | — | 0.05 | mg/L | Y | — | J- | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Calcium | Ca | Y | 69.7 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cesium-137 | Cs-137 | N | 6.04 | 1.76 | 4.48 | — | pCi/L | Y | UI | R | 2015-296 | CASA-15-90256 | 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 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 71.9 | — | — | 0.67 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 66.7 | — | — | 1.34 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 68.3 | — | — | 0.67 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 68.7 | — | — | 0.67 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Chloride | Cl(-1) | Y | 56.4 | — | — | 0.67 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 416 | — | — | 2 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 386 | — | — | 2 | µg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 368 | — | — | 2 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 390 | — | — | 2 | µg/L | Y | — | J- | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Chromium | Cr | Y | 406 | — | — | 2 | µg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Cobalt-60 | Co-60 | N | 0.614 | 1.3 | 5.14 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90256 | 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 | 11/12/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00744 | — | — | 0.0017 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90256 | 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 | 07/30/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00595 | — | — | 0.0017 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81521 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00594 | — | — | 0.0017 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75531 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.0046 | — | — | 0.0017 | mg/L | Y | J | J | 2014-2761 | CASA-14-49692 | GELC |
| SCI-2 | 548 | 11/14/11 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:335.4 | Cyanide (Total) | CN(TOTAL) | Y | 0.00837 | — | — | 0.0015 | mg/L | Y | — | NQ | 12-331 | CASA-12-1376 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.575 | — | — | 0.33 | mg/L | Y | J | J | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.12 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.281 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.172 | — | — | 0.033 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Fluoride | F(-1) | Y | 0.169 | — | — | 0.033 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross alpha | GROSSA | N | 1.01 | 0.862 | 2.96 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90256 | 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 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:900 | Gross beta | GROSSB | Y | 5.82 | 0.553 | 1.57 | — | pCi/L | Y | — | NQ | 2015-296 | CASA-15-90256 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 232 | — | — | 0.453 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 237 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 255 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 237 | — | — | 0.453 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SM:A2340B | Hardness | HARDNESS | Y | 242 | — | — | 0.453 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 15.6 | — | — | 0.11 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 16.4 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Magnesium | Mg | Y | 17.3 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 16.4 | — | — | 0.11 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Magnesium | Mg | Y | 16.4 | — | — | 0.11 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.562 | — | — | 0.165 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.556 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.524 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.633 | — | — | 0.165 | µg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Molybdenum | Mo | Y | 0.655 | — | — | 0.165 | µg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Neptunium-237 | Np-237 | N | 4.38 | 2.76 | 10.1 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90256 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 15.6 | — | — | 0.5 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 16.5 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 18.1 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 16 | — | — | 0.5 | µg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Nickel | Ni | Y | 18 | — | — | 0.5 | µg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 4.04 | — | — | 0.085 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 4.07 | — | — | 0.085 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 4.21 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 4.05 | — | — | 0.17 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:353.2 | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | Y | 4.54 | — | — | 0.085 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 14.9111 | — | — | — | permil | Y | — | NQ | 2015-292 | CASA-15-90264 | EES6 |
| SCI-2 | 548 | 11/14/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 13.01 | — | — | — | permil | N | — | NQ | 12-330 | CASA-12-1378 | EES6 |
| SCI-2 | 548 | 07/15/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 11.3928 | — | — | — | permil | N | — | NQ | 10-3715 | CASA-10-22651 | EES6 |
| SCI-2 | 548 | 05/06/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 11.9992 | — | — | — | permil | N | — | NQ | 10-3101 | CASA-10-16761 | EES6 |
| SCI-2 | 548 | 02/08/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Nitrogen Isotope Ratio | Nitrogen-15/Nitrogen-14 Ratio | N15N14 | Y | 11.98 | — | — | — | permil | N | — | NQ | 10-1695 | CASA-10-9490 | EES6 |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 1.35411 | — | — | — | permil | Y | — | NQ | 2015-292 | CASA-15-90264 | EES6 |

**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 | 11/14/11 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 1.27 | — | — | — | permil | N | — | NQ | 12-330 | CASA-12-1378 | EES6 |
| SCI-2 | 548 | 07/15/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 3.42077 | — | — | — | permil | N | — | NQ | 10-3715 | CASA-10-22651 | EES6 |
| SCI-2 | 548 | 05/06/10 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 0.172702 | — | — | — | permil | N | — | NQ | 10-3101 | CASA-10-16761 | EES6 |
| SCI-2 | 548 | 11/17/09 | WG | F | INIT | REG | GENERAL CHEMISTRY | Generic:Oxygen Isotope Ratio | Oxygen-18/Oxygen-16 Ratio from Nitrate | O18O16-NO3 | Y | 0.56 | — | — | — | permil | N | — | NQ | 10-549 | CASA-10-3717 | EES6 |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.962 | — | — | 0.1 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.918 | — | — | 0.1 | µg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.928 | — | — | 0.1 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.96 | — | — | 0.05 | µg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | LCMS/MS PERCHLORATE | SW-846:6850 | Perchlorate | ClO4 | Y | 0.961 | — | — | 0.05 | µg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00327 | 0.00566 | 0.04 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90256 | GELC |
| SCI-2 | 548 | 11/05/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-238 | Pu-238 | N | 0.00567 | 0.00567 | 0.03 | — | 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 | 0.02 | — | 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 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3084 | CASA-10-16763 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.0229 | 0.0108 | 0.06 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90256 | 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 | 0.05 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 12-331 | CASA-12-1376 | GELC |
| SCI-2 | 548 | 07/15/10 | WG | UF | INIT | REG | RAD | HASL-300:ISOPU | Plutonium-239/240 | Pu-239/240 | N | 0.0185 | 0.0087 | 0.03 | — | 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 | 0.03 | — | pCi/L | Y | U | U | 10-3084 | CASA-10-16763 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 3.42 | — | — | 0.05 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 3.6 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Potassium | K | Y | 3.78 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 3.5 | — | — | 0.05 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Potassium | K | Y | 3.44 | — | — | 0.05 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Potassium-40 | K-40 | N | 13.1 | 13.3 | 30.6 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90256 | 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 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 61.2 | — | — | 0.053 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 63.3 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Silicon Dioxide | SiO2 | Y | 68 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 60 | — | — | 0.053 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Silicon Dioxide | SiO2 | Y | 64.4 | — | — | 0.053 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 22.1 | — | — | 0.1 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 21.7 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Sodium | Na | Y | 23.8 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 23.8 | — | — | 0.1 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Sodium | Na | Y | 22.6 | — | — | 0.1 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:901.1 | Sodium-22 | Na-22 | N | -0.778 | 1.1 | 4.01 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90256 | 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 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 598 | — | — | 3.63 | µS/cm | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 606 | — | — | 1 | µS/cm | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 603 | — | — | 1 | µS/cm | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 614 | — | — | 1 | µS/cm | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:120.1 | Specific Conductance | SPEC_CONDC | Y | 599 | — | — | 1 | µS/cm | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 325 | — | — | 1 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 329 | — | — | 1 | µg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Strontium | Sr | Y | 348 | — | — | 1 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 339 | — | — | 1 | µg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Strontium | Sr | Y | 326 | — | — | 1 | µg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | 0.0756 | 0.113 | 0.41 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90256 | 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 | 11/05/12 | WG | UF | INIT | REG | RAD | EPA:905.0 | Strontium-90 | Sr-90 | N | -0.0837 | 0.109 | 0.44 | — | 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 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 95.2 | — | — | 1.33 | mg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 92.3 | — | — | 2.66 | mg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 92.5 | — | — | 1.33 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 97.3 | — | — | 1.33 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:300.0 | Sulfate | SO4(-2) | Y | 77.9 | — | — | 1.33 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Tin | Sn | Y | 3.4 | — | — | 2.5 | µg/L | Y | J | J | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Tin | Sn | N | 500 | — | — | 125 | µg/L | Y | UN | U | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Tin | Sn | N | 500 | — | — | 125 | µg/L | Y | UN | U | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Tin | Sn | N | 100 | — | — | 25 | µg/L | Y | U | U | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Tin | Sn | N | 50 | — | — | 12.5 | µg/L | Y | U | U | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | RE | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 424 | — | — | 3.4 | mg/L | Y | H | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 734 | — | — | 3.4 | mg/L | N | — | R | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | RE | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 433 | — | — | 3.4 | mg/L | Y | H | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 516 | — | — | 3.4 | mg/L | N | — | R | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 433 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 424 | — | — | 3.4 | mg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:160.1 | Total Dissolved Solids | TDS | Y | 401 | — | — | 3.4 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.0951 | — | — | 0.033 | mg/L | Y | J | J | 2015-296 | CASA-15-90256 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.0975 | — | — | 0.033 | mg/L | Y | J | J | 2014-4090 | CASA-14-81521 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.0715 | — | — | 0.033 | mg/L | Y | J | J | 2014-3396 | CASA-14-75531 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.0732 | — | — | 0.033 | mg/L | Y | J | J | 2014-2761 | CASA-14-49692 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | EPA:351.2 | Total Kjeldahl Nitrogen | TKN | Y | 0.067 | — | — | 0.033 | mg/L | Y | J | J | 2013-1309 | CASA-13-36991 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.91 | — | — | 0.33 | mg/L | Y | J | J | 2015-296 | CASA-15-90256 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.871 | — | — | 0.33 | mg/L | Y | J | J | 2014-4090 | CASA-14-81521 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.961 | — | — | 0.33 | mg/L | Y | J | J | 2014-3396 | CASA-14-75531 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 0.919 | — | — | 0.33 | mg/L | Y | J | J | 2014-2761 | CASA-14-49692 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | UF | INIT | REG | GENERAL CHEMISTRY | SW-846:9060 | Total Organic Carbon | TOC | Y | 1.05 | — | — | 0.33 | mg/L | Y | — | NQ | 2013-1309 | CASA-13-36991 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0235 | — | — | 0.017 | mg/L | Y | J | J | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | N | 0.0504 | — | — | 0.017 | mg/L | Y | — | U | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.117 | — | — | 0.017 | mg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | GENERAL CHEMISTRY | EPA:365.4 | Total Phosphate as Phosphorus | PO4-P | Y | 0.0202 | — | — | 0.017 | mg/L | Y | J | J | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | 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 | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | EPA:906.0 | Tritium | H-3 | Y | 210 | 65.5 | 198 | — | pCi/L | Y | — | NQ | 2015-296 | CASA-15-90256 | 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 | 4.35 | — | 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 | 1.87 | — | 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 | 2.93 | — | 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 | 207 | — | 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 | 207 | — | pCi/L | N | — | R | 11-556 | CASA-11-1363 | ARSL |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.83 | — | — | 0.067 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.38 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 1.94 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 2.15 | — | — | 0.067 | µg/L | Y | — | NQ | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6020 | Uranium | U | Y | 2 | — | — | 0.067 | µg/L | Y | — | NQ | 2013-1309 | CASA-13-36995 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 1.22 | 0.0563 | 0.05 | — | pCi/L | Y | — | NQ | 2015-296 | CASA-15-90256 | GELC |
| SCI-2 | 548 | 11/05/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-234 | U-234 | Y | 1.02 | 0.0545 | 0.06 | — | 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 | 0.04 | — | 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 |

**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 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-235/236 | U-235/236 | N | 0.0315 | 0.0141 | 0.05 | — | pCi/L | Y | U | U | 2015-296 | CASA-15-90256 | 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 | 0.03 | — | 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 | 0.05 | — | pCi/L | Y | U | U | 10-3084 | CASA-10-16763 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.579 | 0.0396 | 0.05 | — | pCi/L | Y | — | NQ | 2015-296 | CASA-15-90256 | GELC |
| SCI-2 | 548 | 11/05/12 | WG | UF | INIT | REG | RAD | HASL-300:ISOU | Uranium-238 | U-238 | Y | 0.577 | 0.0401 | 0.04 | — | 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 | 0.06 | — | 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 | 0.03 | — | 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 | 0.05 | — | pCi/L | Y | — | NQ | 10-3084 | CASA-10-16763 | GELC |
| SCI-2 | 548 | 11/12/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | Y | 12.9 | — | — | 3.3 | µg/L | Y | — | NQ | 2015-296 | CASA-15-90264 | GELC |
| SCI-2 | 548 | 07/30/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-4090 | CASA-14-81527 | GELC |
| SCI-2 | 548 | 05/14/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010C | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-3396 | CASA-14-75539 | GELC |
| SCI-2 | 548 | 01/13/14 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | N | 10 | — | — | 3.3 | µg/L | Y | U | U | 2014-2761 | CASA-14-49698 | GELC |
| SCI-2 | 548 | 07/23/13 | WG | F | INIT | REG | INORGANIC | SW-846:6010B | Zinc | Zn | Y | 9.7 | — | — | 3.3 | µg/L | Y | J | J | 2013-1309 | CASA-13-36995 | GELC |

# Appendix D

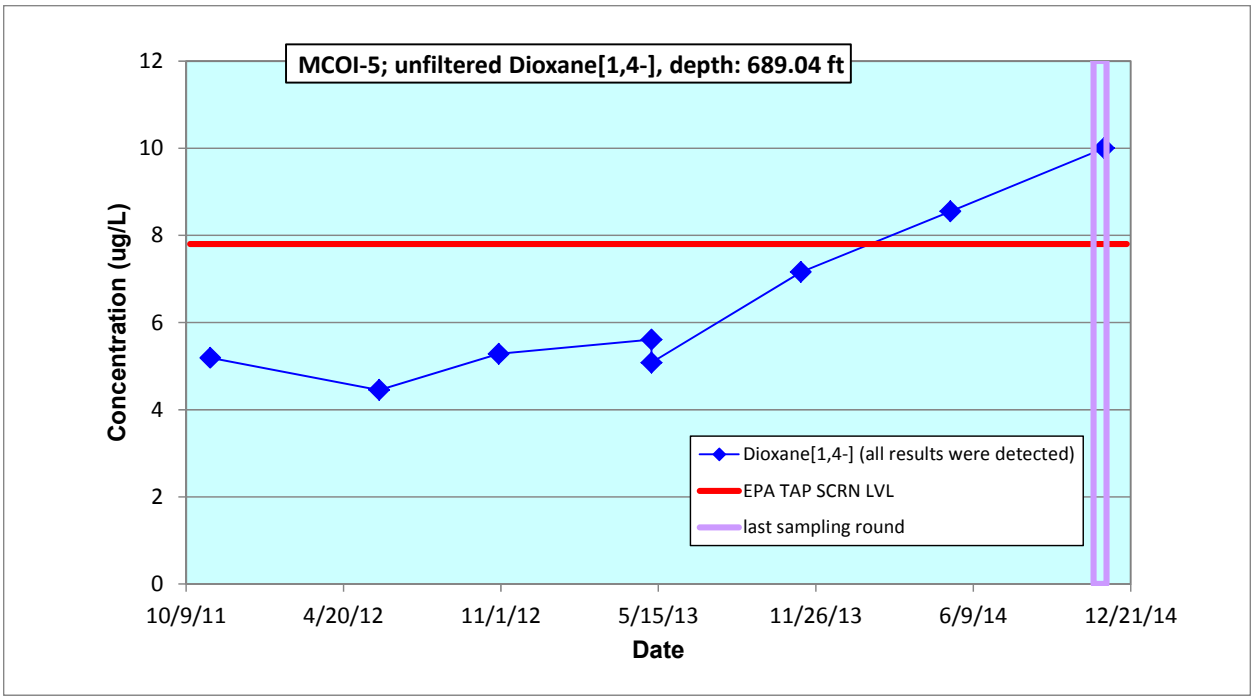
*Groundwater Results Greater Than Half of Screening Levels*

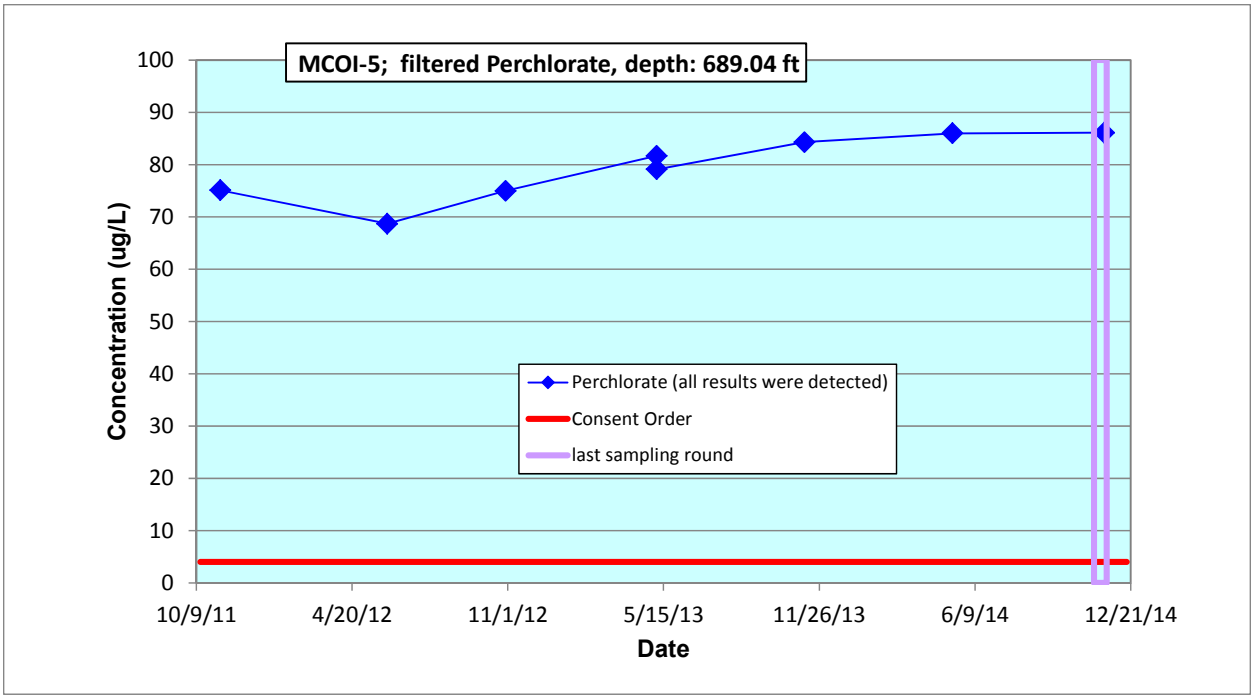
| Zone | Location | Screen Top Depth (ft) | Sample Date | Analysis Suite | Parameter Name | Parameter Code | Field Prep Code | Analysis Type Code | Field Quality Control Code | Detect Flag | Report Result | Method Detection Limit | Unit | Dilution Factor | Lab Qualifier | Validation Qualifier | Validation Reason | Best Value Flag | Analytical Method | Lab ID | Screening Level | Reporting Level Code | Result/Screening Level |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Intermediate | MCOI-5 | 689.04 | 11/18/14 | SVOC[a] | Dioxane[1,4-] | 123-91-1 | UF[b] | INIT[c] | REG[d] | Y[e] | 10 | 3.16 | µg/L | 1 | J[f] | J[g] | J_LAB[h] | Y | SW-846:8270D | GELC[i] | 7.8 | EPA TAP SCRN LVL[j] | 1.28 |
| Intermediate | MCOI-5 | 689.04 | 11/18/14 | LCMS/MS[k] Perchlorate | Perchlorate | ClO4 | F[l] | INIT | REG | Y | 86.1 | 5 | µg/L | 100 | —[m] | NQ[n] | NQ | Y | SW-846:6850 | GELC | 4 | Consent Order | 21.53 |
| Intermediate | MCOI-6 | 686 | 11/07/14 | Inorganic | Chromium | Cr | F | INIT | REG | Y | 69.8 | 2 | µg/L | 1 | — | NQ | NQ | Y | SW-846:6020 | GELC | 50 | NMWQCC GW STD[o] | 1.40 |
| Intermediate | MCOI-6 | 686 | 11/07/14 | Inorganic | Chromium | Cr | F | INIT | FD[p] | Y | 69.3 | 2 | µg/L | 1 | — | NQ | NQ | Y | SW-846:6020 | GELC | 50 | NMWQCC GW STD | 1.39 |
| Intermediate | MCOI-6 | 686 | 11/07/14 | SVOC | Dioxane[1,4-] | 123-91-1 | UF | INIT | FD | Y | 8.66 | 3.13 | µg/L | 1 | J | J | J_LAB | Y | SW-846:8270D | GELC | 7.8 | EPA TAP SCRN LVL | 1.11 |
| Intermediate | MCOI-6 | 686 | 11/07/14 | SVOC | Dioxane[1,4-] | 123-91-1 | UF | INIT | REG | Y | 9.33 | 3 | µg/L | 1 | J | J | J_LAB | Y | SW-846:8270D | GELC | 7.8 | EPA TAP SCRN LVL | 1.20 |
| Intermediate | MCOI-6 | 686 | 11/07/14 | General Chemistry | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | F | INIT | REG | Y | 8.17 | 0.17 | mg/L | 10 | — | NQ | NQ | Y | EPA:353.2 | GELC | 10 | EPA MCL[q] | 0.82 |
| Intermediate | MCOI-6 | 686 | 11/07/14 | General Chemistry | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | F | INIT | FD | Y | 7.98 | 0.17 | mg/L | 10 | — | NQ | NQ | Y | EPA:353.2 | GELC | 10 | EPA MCL | 0.80 |
| Intermediate | MCOI-6 | 686 | 11/07/14 | LCMS/MS Perchlorate | Perchlorate | ClO4 | F | INIT | REG | Y | 62.3 | 5 | µg/L | 100 | — | NQ | NQ | Y | SW-846:6850 | GELC | 4 | Consent Order | 15.58 |
| Intermediate | MCOI-6 | 686 | 11/07/14 | LCMS/MS Perchlorate | Perchlorate | ClO4 | F | INIT | FD | Y | 60.7 | 5 | µg/L | 100 | — | NQ | NQ | Y | SW-846:6850 | GELC | 4 | Consent Order | 15.18 |
| Intermediate | SCI-2 | 548 | 11/12/14 | Inorganic | Chromium | Cr | F | INIT | REG | Y | 416 | 2 | µg/L | 1 | — | NQ | NQ | Y | SW-846:6020 | GELC | 50 | NMWQCC GW STD | 8.32 |
| Regional | R-11 | 855 | 11/19/14 | General Chemistry | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | F | INIT | REG | Y | 5.69 | 0.17 | mg/L | 10 | — | NQ | NQ | Y | EPA:353.2 | GELC | 10 | EPA MCL | 0.57 |
| Regional | R-15 | 958.6 | 11/10/14 | LCMS/MS Perchlorate | Perchlorate | ClO4 | F | INIT | REG | Y | 8.03 | 1 | µg/L | 20 | — | NQ | NQ | Y | SW-846:6850 | GELC | 4 | Consent Order | 2.01 |
| Regional | R-28 | 934.3 | 11/13/14 | Inorganic | Chromium | Cr | F | INIT | REG | Y | 421 | 2 | µg/L | 1 | — | NQ | NQ | Y | SW-846:6020 | GELC | 50 | NMWQCC GW STD | 8.42 |
| Regional | R-42 | 931.8 | 11/14/14 | Inorganic | Chromium | Cr | F | INIT | REG | Y | 908 | 2 | µg/L | 1 | — | NQ | NQ | Y | SW-846:6020 | GELC | 50 | NMWQCC GW STD | 18.16 |
| Regional | R-42 | 931.8 | 11/14/14 | General Chemistry | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | F | INIT | REG | Y | 5.45 | 0.17 | mg/L | 10 | — | NQ | NQ | Y | EPA:353.2 | GELC | 10 | EPA MCL | 0.55 |
| Regional | R-43 S1 | 903.9 | 11/21/14 | Inorganic | Chromium | Cr | F | INIT | REG | Y | 106 | 2 | µg/L | 1 | — | NQ | NQ | Y | SW-846:6020 | GELC | 50 | NMWQCC GW STD | 2.12 |
| Regional | R-43 S1 | 903.9 | 11/21/14 | General Chemistry | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | F | INIT | REG | Y | 5.33 | 0.17 | mg/L | 10 | — | NQ | NQ | Y | EPA:353.2 | GELC | 10 | EPA MCL | 0.53 |
| Regional | R-45 S1 | 880 | 11/05/14 | Inorganic | Chromium | Cr | F | INIT | REG | Y | 33.6 | 2 | µg/L | 1 | — | NQ | NQ | Y | SW-846:6020 | GELC | 50 | NMWQCC GW STD | 0.67 |
| Regional | R-50 S1 | 1077 | 11/14/14 | Inorganic | Chromium | Cr | F | INIT | REG | Y | 84.6 | 2 | µg/L | 1 | — | NQ | NQ | Y | SW-846:6020 | GELC | 50 | NMWQCC GW STD | 1.69 |
| Regional | R-61 S1 | 1125 | 11/19/14 | LCMS/MS Perchlorate | Perchlorate | ClO4 | F | INIT | REG | Y | 8.78 | 1 | µg/L | 20 | — | NQ | NQ | Y | SW-846:6850 | GELC | 4 | Consent Order | 2.20 |
| Regional | R-62 | 1158.4 | 11/17/14 | Inorganic | Chromium | Cr | F | INIT | REG | Y | 104 | 2 | µg/L | 1 | — | NQ | NQ | Y | SW-846:6020 | GELC | 50 | NMWQCC GW STD | 2.08 |

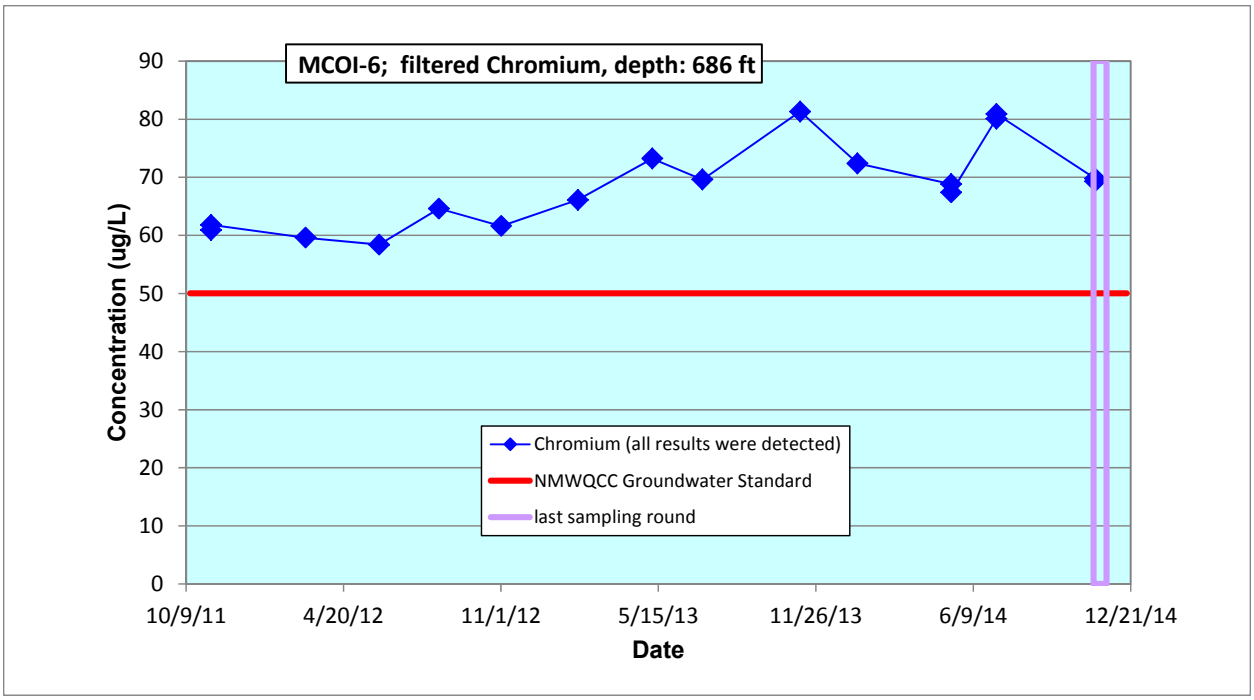
[a] SVOC = Semivolatile organic compound.
[b] UF = Unfiltered.
[c] INIT = Initial.
[d] REG = Regular.
[e] Y = Yes.
[f] In this column, J = The associated numerical value is an estimated quantity.
[g] In this column, J = The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.
[h] J_LAB = The analytical laboratory qualified the detected result as estimated (J) because the result was less than the practical quantitation limit but greater than the method detection limit.
[i] GELC = General Engineering Laboratories, Inc., Charleston, SC.
[j] EPA TAP SCRN LVL = U.S. Environmental Protection Agency regional screening level for tap water.
[k] LCMS/MS = Liquid chromatography mass spectrometry/mass spectrometry.
[l] F = Filtered.
[m] — = None.
[n] NQ = Not qualified.
[o] NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.
[p] FD = Field duplicate.
[q] EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.

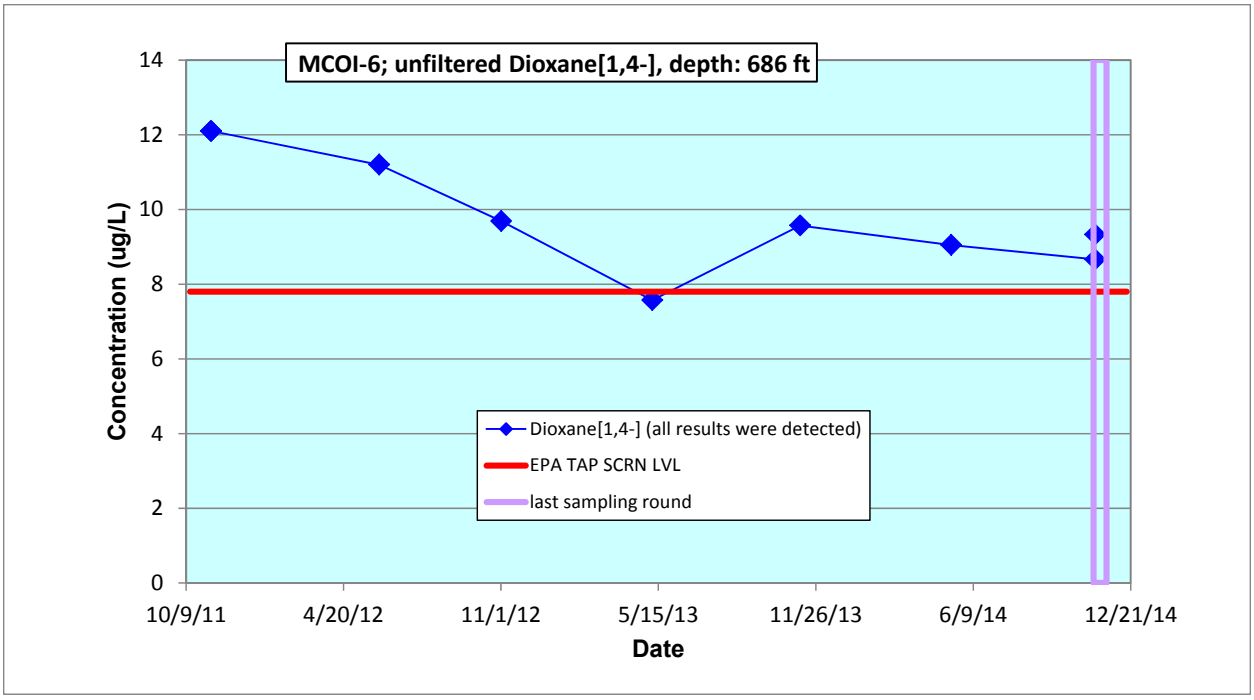
# Appendix E

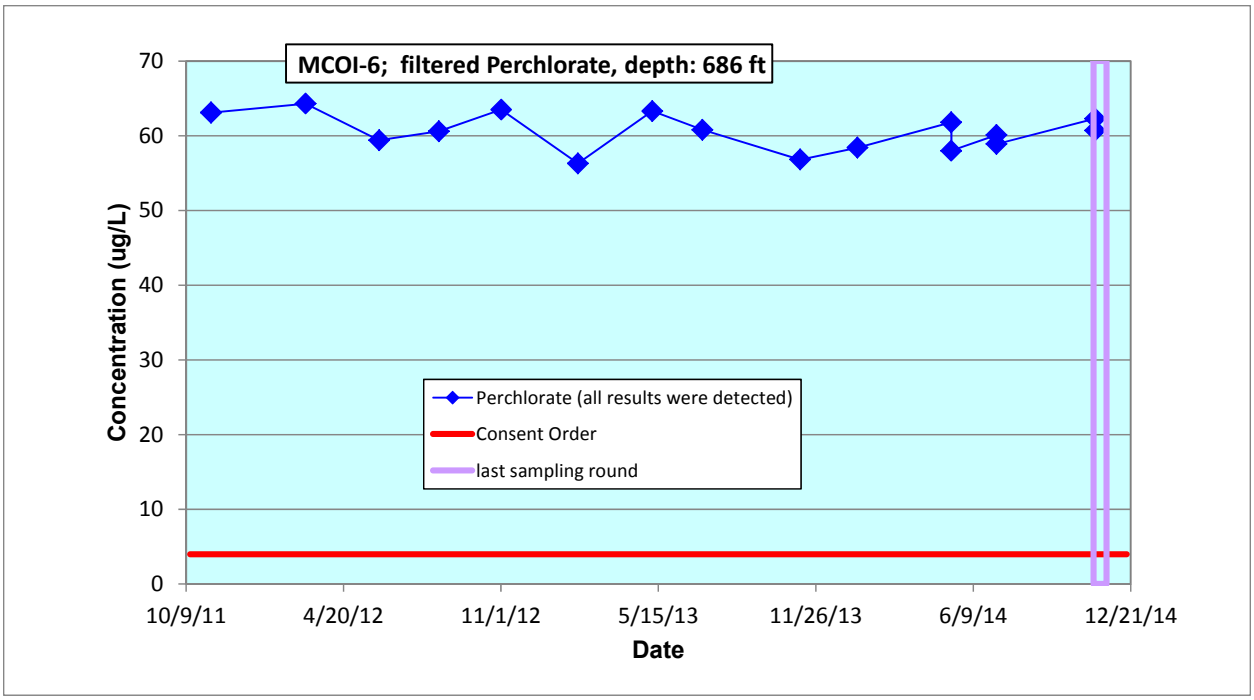
*Analytical Chemistry Graphs of Screening-Level Exceedances*

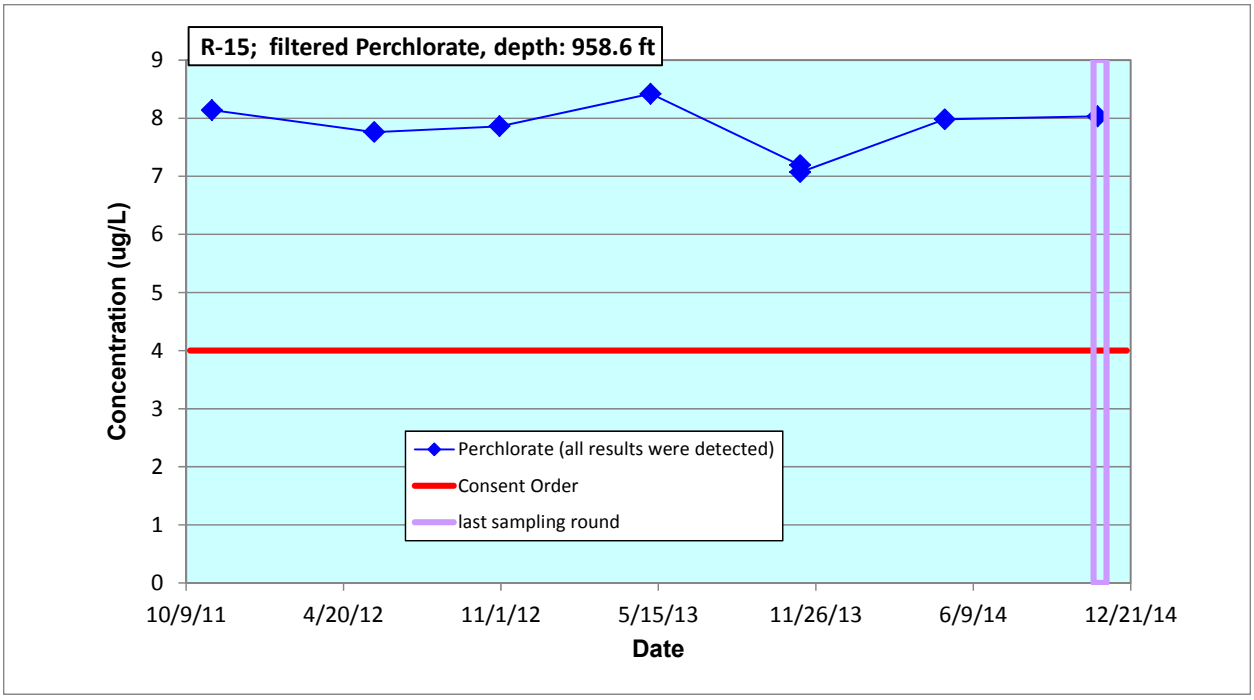

MCOI-5; unfiltered Dioxane[1,4-], depth: 689.04 ft
Concentration (ug/L)
0
2
4
6
8
10
12
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Dioxane[1,4-] (all results were detected)
EPA TAP SCRN LVL
last sampling round

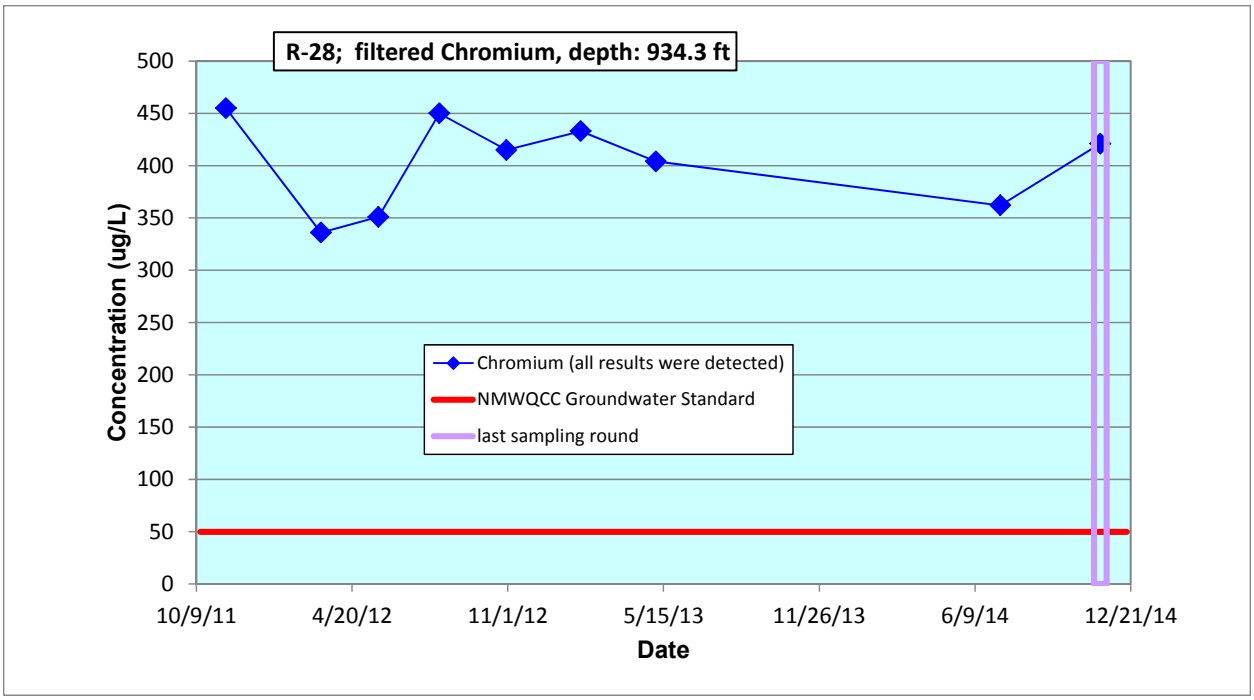

MCOI-5; filtered Perchlorate, depth: 689.04 ft
Concentration (ug/L)
0
10
20
30
40
50
60
70
80
90
100
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

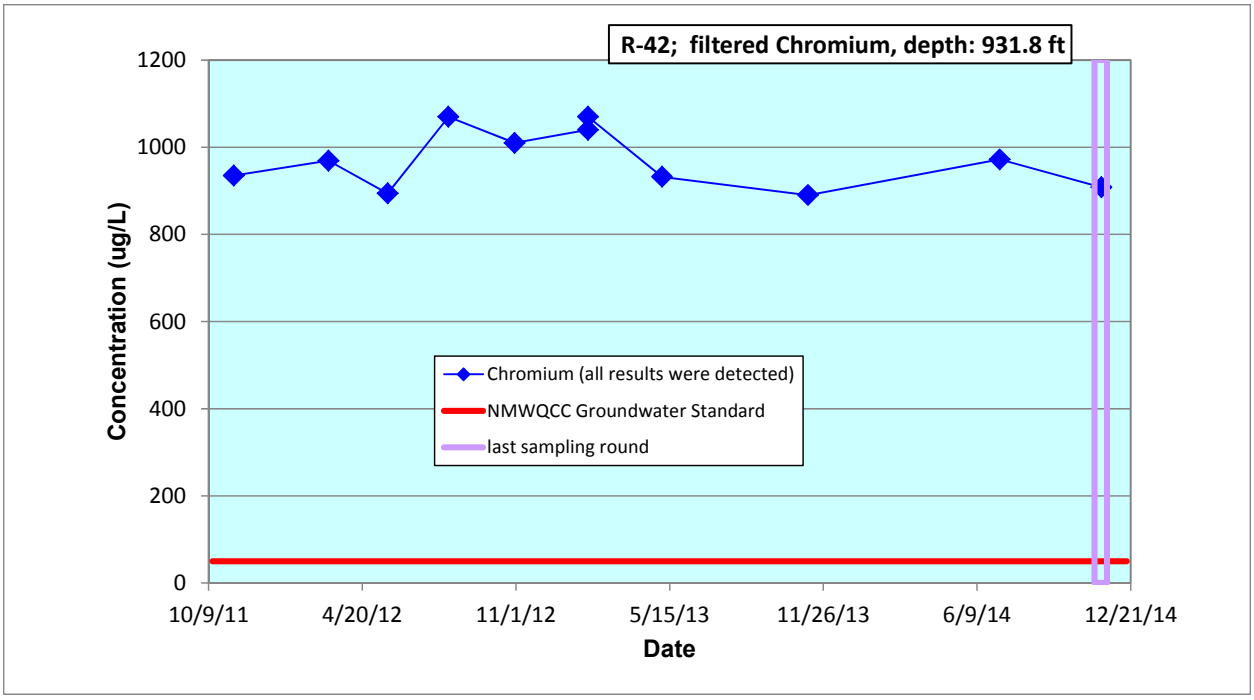

MCOI-6; filtered Chromium, depth: 686 ft
Concentration (ug/L)
90
80
70
60
50
40
30
20
10
0
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round

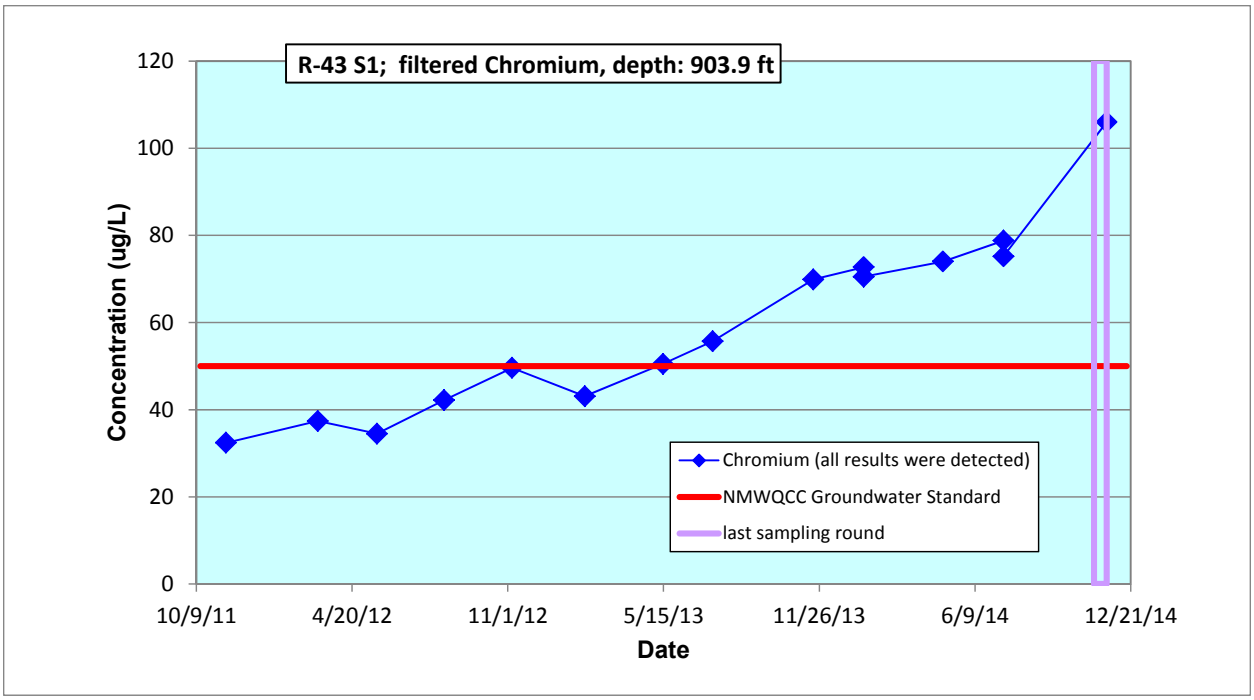

MCOI-6; unfiltered Dioxane[1,4-], depth: 686 ft
Concentration (ug/L)
14
12
10
8
6
4
2
0
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Dioxane[1,4-] (all results were detected)
EPA TAP SCRN LVL
last sampling round

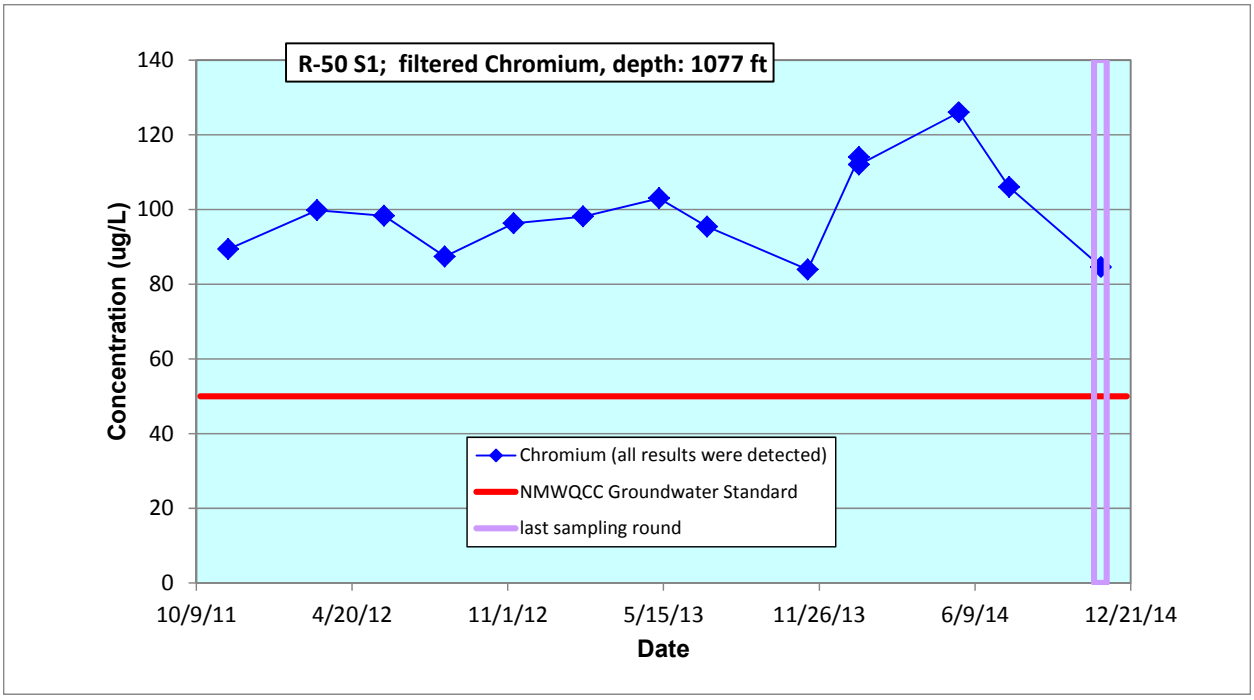

MCOI-6; filtered Perchlorate, depth: 686 ft
Concentration (ug/L)
70
60
50
40
30
20
10
0
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

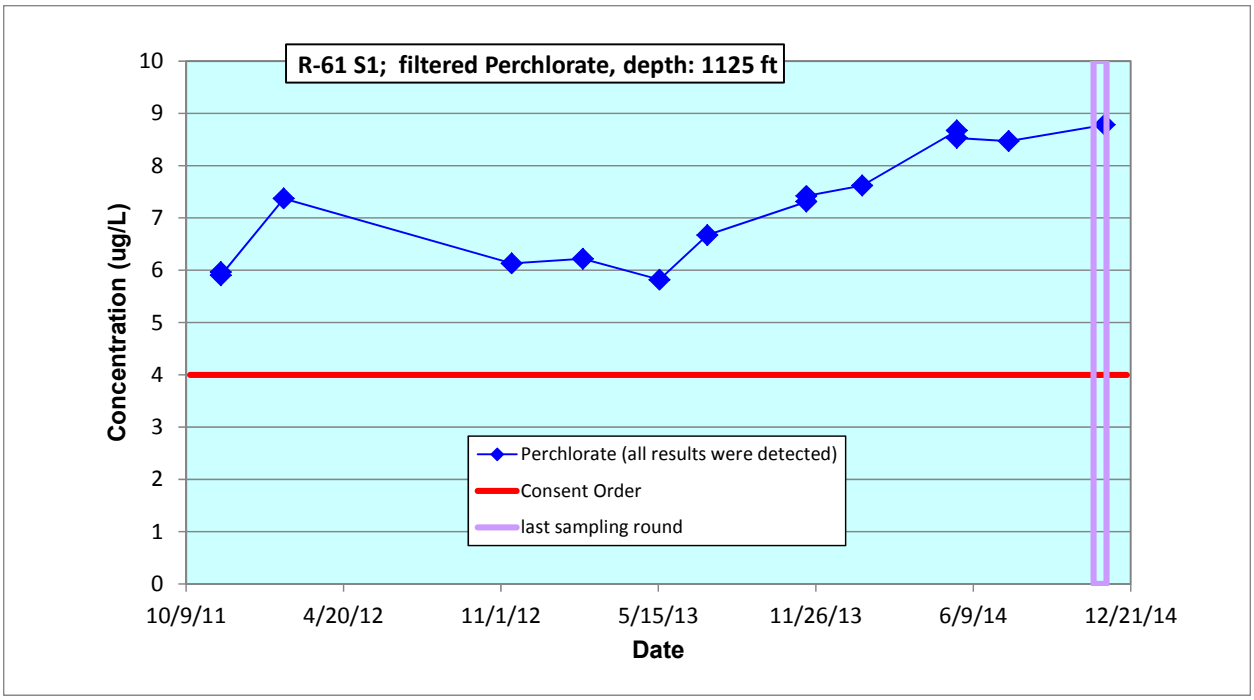

R-15; filtered Perchlorate, depth: 958.6 ft
Concentration (ug/L)
9
8
7
6
5
4
3
2
1
0
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

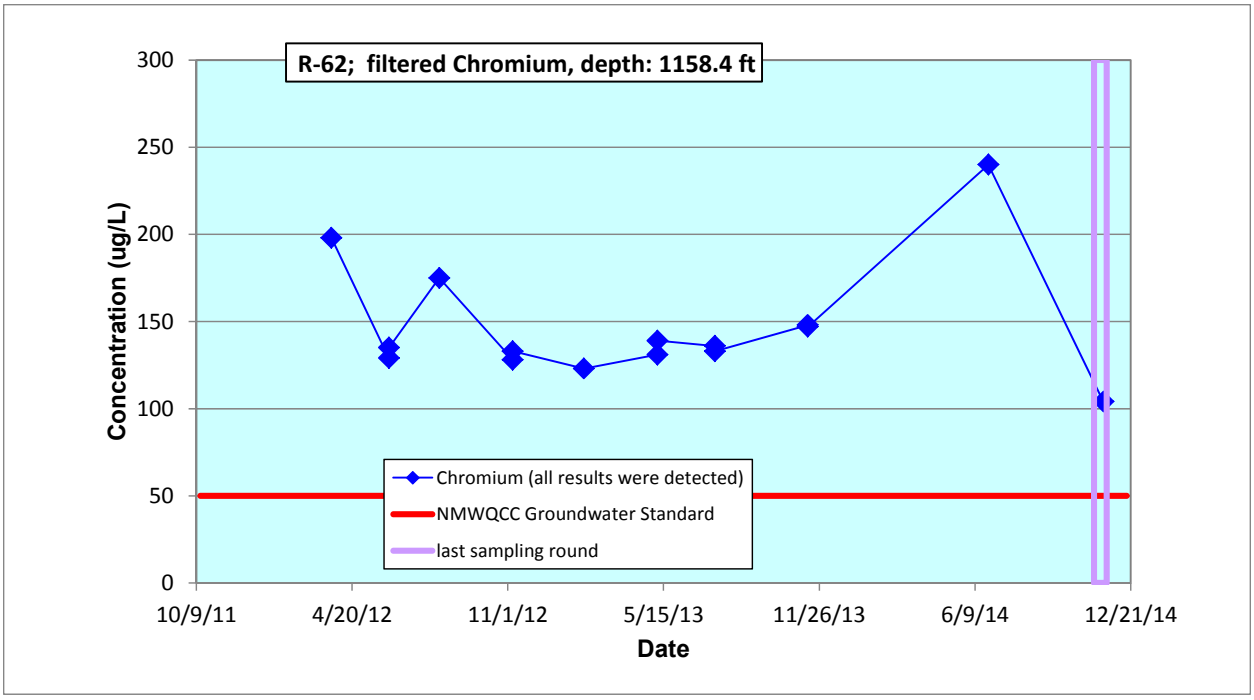

R-28; filtered Chromium, depth: 934.3 ft
Concentration (ug/L)
500
450
400
350
300
250
200
150
100
50
0
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round

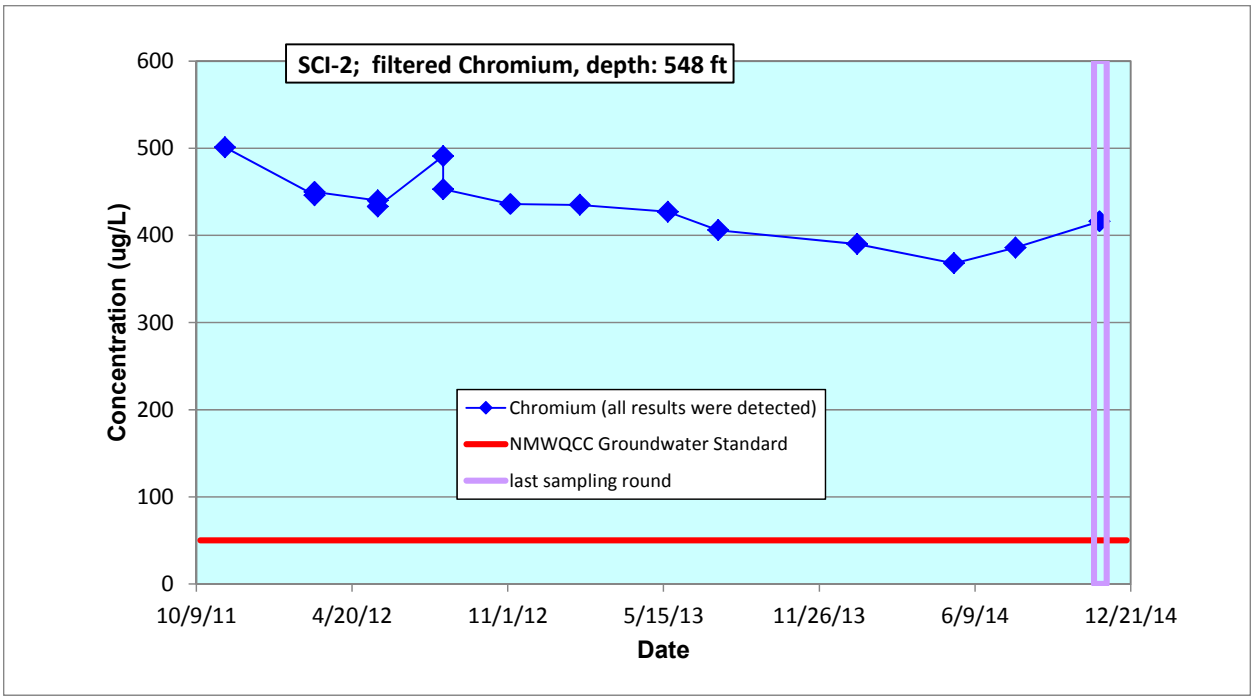

R-42; filtered Chromium, depth: 931.8 ft
Concentration (ug/L)
1200
1000
800
600
400
200
0
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round


R-43 S1; filtered Chromium, depth: 903.9 ft
Concentration (ug/L)
120
100
80
60
40
20
0
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round


R-50 S1; filtered Chromium, depth: 1077 ft
Concentration (ug/L)
140
120
100
80
60
40
20
0
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round


R-61 S1; filtered Perchlorate, depth: 1125 ft
Concentration (ug/L)
10
9
8
7
6
5
4
3
2
1
0
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Perchlorate (all results were detected)
Consent Order
last sampling round


R-62; filtered Chromium, depth: 1158.4 ft
Concentration (ug/L)
300
250
200
150
100
50
0
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round


SCI-2; filtered Chromium, depth: 548 ft
Concentration (ug/L)
600
500
400
300
200
100
0
10/9/11
4/20/12
11/1/12
5/15/13
11/26/13
6/9/14
12/21/14
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
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) |
|---|---|---|---|---|---|---|---|
| 2014-2771 | Inorganic | UIL[a] | CAMO-14-45771 | 11/12/13 | R-50 S2 | 1185 | 1205.6 |
| 2014-2772 | Inorganic | UIL | CASA-14-45718 | 11/19/13 | SCI-1 | 358.4 | 377.9 |
| 2014-2809 | Inorganic | UIL | CASA-14-49686 | 01/21/14 | R-43 S1 | 903.9 | 924.6 |
| 2014-2809 | Inorganic | UIL | CASA-14-49697 | 01/21/14 | R-43 S2 | 969.1 | 979.1 |
| 2014-3938 | Inorganic | GELC[b] | CASA-14-81524 | 07/18/14 | R-35b | 825.4 | 848.5 |
| 2014-4090 | Inorganic | GELC | CASA-14-81527 | 07/30/14 | SCI-2 | 548 | 568 |
| 2014-4426 | Inorganic | UIL | CAMO-14-83995 | 07/08/14 | MCOI-6 | 686 | 708.3 |
| 2014-4426 | Inorganic | UIL | CAMO-14-84007 | 07/08/14 | MCOI-6 | 686 | 708.3 |
| 2014-4426 | Inorganic | UIL | CAMO-14-84012 | 08/27/14 | R-45 S1 | 880 | 890 |
| 2014-4426 | Inorganic | UIL | CAMO-14-84013 | 08/27/14 | R-45 S2 | 974.9 | 994.9 |
| 2014-4426 | Inorganic | UIL | CAMO-14-84014 | 07/22/14 | R-50 S1 | 1077 | 1087 |
| 2014-4426 | Inorganic | UIL | CAMO-14-84015 | 07/24/14 | R-50 S2 | 1185 | 1205.6 |
| 2014-4426 | Inorganic | UIL | CAMO-14-84016 | 07/23/14 | R-61 S1 | 1125 | 1135 |
| 2014-4427 | Inorganic | UIL | CAMO-14-75486 | 05/13/14 | MCOI-6 | 686 | 708.3 |
| 2014-4427 | Inorganic | UIL | CAMO-14-75487 | 05/20/14 | R-61 S1 | 1125 | 1135 |
| 2014-4427 | Inorganic | UIL | CAMO-14-75510 | 05/13/14 | MCOI-6 | 686 | 708.3 |
| 2014-4427 | Inorganic | UIL | CAMO-14-75517 | 05/07/14 | R-45 S1 | 880 | 890 |
| 2014-4427 | Inorganic | UIL | CAMO-14-75518 | 05/07/14 | R-45 S2 | 974.9 | 994.9 |
| 2014-4427 | Inorganic | UIL | CAMO-14-75519 | 05/20/14 | R-50 S1 | 1077 | 1087 |
| 2014-4427 | Inorganic | UIL | CAMO-14-75520 | 05/19/14 | R-50 S2 | 1185 | 1205.6 |
| 2014-4427 | Inorganic | UIL | CAMO-14-75521 | 05/20/14 | R-61 S1 | 1125 | 1135 |
| 2014-4428 | Inorganic | UIL | CASA-14-81515 | 07/15/14 | R-43 S1 | 903.9 | 924.6 |
| 2014-4428 | Inorganic | UIL | CASA-14-81525 | 07/15/14 | R-43 S1 | 903.9 | 924.6 |
| 2014-4430 | Inorganic | UIL | CASA-14-75536 | 04/30/14 | R-43 S1 | 903.9 | 924.6 |
| 2014-4430 | Inorganic | UIL | CASA-14-75537 | 04/30/14 | R-43 S2 | 969.1 | 979.1 |
| 2014-4431 | Inorganic | UIL | CAMO-14-83984 | 06/26/14 | R-62 | 1158.4 | 1179.1 |
| 2015-234 | Inorganic | EES6[c] | CAMO-15-90236 | 11/05/14 | R-45 S2 | 974.9 | 994.9 |
| 2015-234 | Inorganic | EES6 | CAMO-15-90233 | 11/05/14 | R-44 S1 | 895 | 905 |
| 2015-234 | Inorganic | EES6 | CAMO-15-90234 | 11/05/14 | R-44 S2 | 985.3 | 995.2 |
| 2015-234 | Inorganic | EES6 | CAMO-15-90235 | 11/05/14 | R-45 S1 | 880 | 890 |
| 2015-238 | Inorganic | GELC | CAMO-15-90216 | 11/05/14 | R-44 S1 | 895 | 905 |
| 2015-238 | Inorganic | GELC | CAMO-15-90217 | 11/05/14 | R-44 S2 | 985.3 | 995.2 |
| 2015-238 | Inorganic | GELC | CAMO-15-90233 | 11/05/14 | R-44 S1 | 895 | 905 |
| 2015-238 | Inorganic | GELC | CAMO-15-90234 | 11/05/14 | R-44 S2 | 985.3 | 995.2 |
| 2015-238 | Organic | GELC | CAMO-15-90216 | 11/05/14 | R-44 S1 | 895 | 905 |
| 2015-238 | Organic | GELC | CAMO-15-90217 | 11/05/14 | R-44 S2 | 985.3 | 995.2 |
| 2015-238 | Rad[d] | GELC | CAMO-15-90216 | 11/05/14 | R-44 S1 | 895 | 905 |

| Chain of Custody | Category | Lab | Sample | Date | Location | Screen Top Depth (ft) | Screen Bottom Depth (ft) |
|---|---|---|---|---|---|---|---|
| 2015-238 | Rad | GELC | CAMO-15-90217 | 11/05/14 | R-44 S2 | 985.3 | 995.2 |
| 2015-239 | Inorganic | GELC | CAMO-15-90236 | 11/05/14 | R-45 S2 | 974.9 | 994.9 |
| 2015-239 | Inorganic | GELC | CAMO-15-90218 | 11/05/14 | R-45 S1 | 880 | 890 |
| 2015-239 | Inorganic | GELC | CAMO-15-90219 | 11/05/14 | R-45 S2 | 974.9 | 994.9 |
| 2015-239 | Inorganic | GELC | CAMO-15-90235 | 11/05/14 | R-45 S1 | 880 | 890 |
| 2015-239 | Organic | GELC | CAMO-15-90218 | 11/05/14 | R-45 S1 | 880 | 890 |
| 2015-239 | Organic | GELC | CAMO-15-90219 | 11/05/14 | R-45 S2 | 974.9 | 994.9 |
| 2015-239 | Rad | GELC | CAMO-15-90218 | 11/05/14 | R-45 S1 | 880 | 890 |
| 2015-239 | Rad | GELC | CAMO-15-90219 | 11/05/14 | R-45 S2 | 974.9 | 994.9 |
| 2015-241 | Organic | SHEALY[e] | CAMO-15-90216 | 11/05/14 | R-44 S1 | 895 | 905 |
| 2015-241 | Organic | SHEALY | CAMO-15-90217 | 11/05/14 | R-44 S2 | 985.3 | 995.2 |
| 2015-241 | Organic | SHEALY | CAMO-15-90218 | 11/05/14 | R-45 S1 | 880 | 890 |
| 2015-241 | Organic | SHEALY | CAMO-15-90219 | 11/05/14 | R-45 S2 | 974.9 | 994.9 |
| 2015-245 | Inorganic | EES6 | CAMO-15-90230 | 11/06/14 | R-33 S1 | 995.5 | 1018.5 |
| 2015-245 | Inorganic | EES6 | CAMO-15-90231 | 11/06/14 | R-33 S2 | 1112.4 | 1122.3 |
| 2015-246 | Inorganic | EES6 | CASA-15-90259 | 11/06/14 | R-35b | 825.4 | 848.5 |
| 2015-246 | Inorganic | EES6 | CASA-15-90260 | 11/06/14 | R-36 | 766.9 | 789.9 |
| 2015-250 | Inorganic | GELC | CAMO-15-90214 | 11/06/14 | R-33 S2 | 1112.4 | 1122.3 |
| 2015-250 | Inorganic | GELC | CAMO-15-90230 | 11/06/14 | R-33 S1 | 995.5 | 1018.5 |
| 2015-250 | Inorganic | GELC | CAMO-15-90231 | 11/06/14 | R-33 S2 | 1112.4 | 1122.3 |
| 2015-250 | Inorganic | GELC | CAMO-15-90213 | 11/06/14 | R-33 S1 | 995.5 | 1018.5 |
| 2015-250 | Organic | GELC | CAMO-15-90214 | 11/06/14 | R-33 S2 | 1112.4 | 1122.3 |
| 2015-250 | Organic | GELC | CAMO-15-90213 | 11/06/14 | R-33 S1 | 995.5 | 1018.5 |
| 2015-250 | Rad | GELC | CAMO-15-90214 | 11/06/14 | R-33 S2 | 1112.4 | 1122.3 |
| 2015-250 | Rad | GELC | CAMO-15-90213 | 11/06/14 | R-33 S1 | 995.5 | 1018.5 |
| 2015-251 | Inorganic | GELC | CASA-15-90251 | 11/06/14 | R-35b | 825.4 | 848.5 |
| 2015-251 | Inorganic | GELC | CASA-15-90259 | 11/06/14 | R-35b | 825.4 | 848.5 |
| 2015-251 | Inorganic | GELC | CASA-15-90260 | 11/06/14 | R-36 | 766.9 | 789.9 |
| 2015-251 | Inorganic | GELC | CASA-15-90252 | 11/06/14 | R-36 | 766.9 | 789.9 |
| 2015-251 | Organic | GELC | CASA-15-90251 | 11/06/14 | R-35b | 825.4 | 848.5 |
| 2015-251 | Organic | GELC | CASA-15-90252 | 11/06/14 | R-36 | 766.9 | 789.9 |
| 2015-251 | Rad | GELC | CASA-15-90251 | 11/06/14 | R-35b | 825.4 | 848.5 |
| 2015-251 | Rad | GELC | CASA-15-90252 | 11/06/14 | R-36 | 766.9 | 789.9 |
| 2015-258 | Inorganic | EES6 | CAMO-15-90225 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-258 | Inorganic | EES6 | CAMO-15-90189 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-260 | Inorganic | EES6 | CAMO-15-90226 | 11/10/14 | R-1 | 1031.1 | 1057.4 |
| 2015-260 | Inorganic | EES6 | CAMO-15-90228 | 11/10/14 | R-15 | 958.6 | 1020.3 |
| 2015-261 | Inorganic | EES6 | CASA-15-90258 | 11/10/14 | R-35a | 1013.1 | 1062.2 |

| Chain of Custody | Category | Lab | Sample | Date | Location | Screen Top Depth (ft) | Screen Bottom Depth (ft) |
|---|---|---|---|---|---|---|---|
| 2015-262 | Inorganic | GELC | CAMO-15-90208 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-262 | Inorganic | GELC | CAMO-15-90188 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-262 | Inorganic | GELC | CAMO-15-90189 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-262 | Inorganic | GELC | CAMO-15-90225 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-262 | Organic | GELC | CAMO-15-90208 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-262 | Organic | GELC | CAMO-15-90188 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-262 | Rad | GELC | CAMO-15-90208 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-262 | Rad | GELC | CAMO-15-90188 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-264 | Inorganic | GELC | CASA-15-90250 | 11/10/14 | R-35a | 1013.1 | 1062.2 |
| 2015-264 | Inorganic | GELC | CASA-15-90258 | 11/10/14 | R-35a | 1013.1 | 1062.2 |
| 2015-264 | Organic | GELC | CASA-15-90250 | 11/10/14 | R-35a | 1013.1 | 1062.2 |
| 2015-264 | Rad | GELC | CASA-15-90250 | 11/10/14 | R-35a | 1013.1 | 1062.2 |
| 2015-265 | Inorganic | GELC | CAMO-15-90209 | 11/10/14 | R-1 | 1031.1 | 1057.4 |
| 2015-265 | Inorganic | GELC | CAMO-15-90226 | 11/10/14 | R-1 | 1031.1 | 1057.4 |
| 2015-265 | Inorganic | GELC | CAMO-15-90211 | 11/10/14 | R-15 | 958.6 | 1020.3 |
| 2015-265 | Inorganic | GELC | CAMO-15-90228 | 11/10/14 | R-15 | 958.6 | 1020.3 |
| 2015-265 | Organic | GELC | CAMO-15-90209 | 11/10/14 | R-1 | 1031.1 | 1057.4 |
| 2015-265 | Organic | GELC | CAMO-15-90211 | 11/10/14 | R-15 | 958.6 | 1020.3 |
| 2015-265 | Rad | GELC | CAMO-15-90209 | 11/10/14 | R-1 | 1031.1 | 1057.4 |
| 2015-275 | Organic | SHEALY | CAMO-15-90214 | 11/06/14 | R-33 S2 | 1112.4 | 1122.3 |
| 2015-275 | Organic | SHEALY | CAMO-15-90213 | 11/06/14 | R-33 S1 | 995.5 | 1018.5 |
| 2015-276 | Organic | SHEALY | CASA-15-90250 | 11/10/14 | R-35a | 1013.1 | 1062.2 |
| 2015-276 | Organic | SHEALY | CASA-15-90251 | 11/06/14 | R-35b | 825.4 | 848.5 |
| 2015-276 | Organic | SHEALY | CASA-15-90252 | 11/06/14 | R-36 | 766.9 | 789.9 |
| 2015-277 | Organic | SHEALY | CAMO-15-90208 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-277 | Organic | SHEALY | CAMO-15-90188 | 11/07/14 | MCOI-6 | 686 | 708.3 |
| 2015-277 | Organic | SHEALY | CAMO-15-90209 | 11/10/14 | R-1 | 1031.1 | 1057.4 |
| 2015-277 | Organic | SHEALY | CAMO-15-90211 | 11/10/14 | R-15 | 958.6 | 1020.3 |
| 2015-292 | Inorganic | EES6 | CASA-15-90263 | 11/12/14 | SCI-1 | 358.4 | 377.9 |
| 2015-292 | Inorganic | EES6 | CASA-15-90264 | 11/12/14 | SCI-2 | 548 | 568 |
| 2015-296 | Inorganic | GELC | CASA-15-90255 | 11/12/14 | SCI-1 | 358.4 | 377.9 |
| 2015-296 | Inorganic | GELC | CASA-15-90256 | 11/12/14 | SCI-2 | 548 | 568 |
| 2015-296 | Inorganic | GELC | CASA-15-90263 | 11/12/14 | SCI-1 | 358.4 | 377.9 |
| 2015-296 | Inorganic | GELC | CASA-15-90264 | 11/12/14 | SCI-2 | 548 | 568 |
| 2015-296 | Organic | GELC | CASA-15-90255 | 11/12/14 | SCI-1 | 358.4 | 377.9 |
| 2015-296 | Organic | GELC | CASA-15-90256 | 11/12/14 | SCI-2 | 548 | 568 |
| 2015-296 | Rad | GELC | CASA-15-90255 | 11/12/14 | SCI-1 | 358.4 | 377.9 |
| 2015-296 | Rad | GELC | CASA-15-90256 | 11/12/14 | SCI-2 | 548 | 568 |

| Chain of Custody | Category | Lab | Sample | Date | Location | Screen Top Depth (ft) | Screen Bottom Depth (ft) |
|---|---|---|---|---|---|---|---|
| 2015-304 | Organic | SHEALY | CASA-15-90255 | 11/12/14 | SCI-1 | 358.4 | 377.9 |
| 2015-304 | Organic | SHEALY | CASA-15-90256 | 11/12/14 | SCI-2 | 548 | 568 |
| 2015-311 | Rad | ARSL[f] | CASA-15-90250 | 11/10/14 | R-35a | 1013.1 | 1062.2 |
| 2015-311 | Rad | ARSL | CASA-15-90251 | 11/06/14 | R-35b | 825.4 | 848.5 |
| 2015-311 | Rad | ARSL | CASA-15-90252 | 11/06/14 | R-36 | 766.9 | 789.9 |
| 2015-313 | Rad | ARSL | CAMO-15-90216 | 11/05/14 | R-44 S1 | 895 | 905 |
| 2015-313 | Rad | ARSL | CAMO-15-90217 | 11/05/14 | R-44 S2 | 985.3 | 995.2 |
| 2015-313 | Rad | ARSL | CAMO-15-90218 | 11/05/14 | R-45 S1 | 880 | 890 |
| 2015-313 | Rad | ARSL | CAMO-15-90211 | 11/10/14 | R-15 | 958.6 | 1020.3 |
| 2015-313 | Rad | ARSL | CAMO-15-90219 | 11/05/14 | R-45 S2 | 974.9 | 994.9 |
| 2015-313 | Rad | ARSL | CAMO-15-90213 | 11/06/14 | R-33 S1 | 995.5 | 1018.5 |
| 2015-316 | Inorganic | EES6 | CAMO-15-90238 | 11/13/14 | R-50 S2 | 1185 | 1205.6 |
| 2015-316 | Inorganic | EES6 | CAMO-15-90229 | 11/13/14 | R-28 | 934.3 | 958.1 |
| 2015-318 | Inorganic | GELC | CAMO-15-90221 | 11/13/14 | R-50 S2 | 1185 | 1205.6 |
| 2015-318 | Inorganic | GELC | CAMO-15-90238 | 11/13/14 | R-50 S2 | 1185 | 1205.6 |
| 2015-318 | Inorganic | GELC | CAMO-15-90212 | 11/13/14 | R-28 | 934.3 | 958.1 |
| 2015-318 | Inorganic | GELC | CAMO-15-90229 | 11/13/14 | R-28 | 934.3 | 958.1 |
| 2015-318 | Organic | GELC | CAMO-15-90221 | 11/13/14 | R-50 S2 | 1185 | 1205.6 |
| 2015-318 | Organic | GELC | CAMO-15-90212 | 11/13/14 | R-28 | 934.3 | 958.1 |
| 2015-318 | Rad | GELC | CAMO-15-90221 | 11/13/14 | R-50 S2 | 1185 | 1205.6 |
| 2015-318 | Rad | GELC | CAMO-15-90212 | 11/13/14 | R-28 | 934.3 | 958.1 |
| 2015-324 | Inorganic | EES6 | CAMO-15-90237 | 11/14/14 | R-50 S1 | 1077 | 1087 |
| 2015-324 | Inorganic | EES6 | CAMO-15-90232 | 11/14/14 | R-42 | 931.8 | 952.9 |
| 2015-326 | Inorganic | GELC | CAMO-15-90215 | 11/14/14 | R-42 | 931.8 | 952.9 |
| 2015-326 | Inorganic | GELC | CAMO-15-90232 | 11/14/14 | R-42 | 931.8 | 952.9 |
| 2015-326 | Organic | GELC | CAMO-15-90215 | 11/14/14 | R-42 | 931.8 | 952.9 |
| 2015-326 | Rad | GELC | CAMO-15-90215 | 11/14/14 | R-42 | 931.8 | 952.9 |
| 2015-327 | Inorganic | GELC | CAMO-15-90237 | 11/14/14 | R-50 S1 | 1077 | 1087 |
| 2015-327 | Inorganic | GELC | CAMO-15-90220 | 11/14/14 | R-50 S1 | 1077 | 1087 |
| 2015-327 | Organic | GELC | CAMO-15-90220 | 11/14/14 | R-50 S1 | 1077 | 1087 |
| 2015-327 | Rad | GELC | CAMO-15-90220 | 11/14/14 | R-50 S1 | 1077 | 1087 |
| 2015-338 | Organic | SHEALY | CAMO-15-90221 | 11/13/14 | R-50 S2 | 1185 | 1205.6 |
| 2015-338 | Organic | SHEALY | CAMO-15-90215 | 11/14/14 | R-42 | 931.8 | 952.9 |
| 2015-338 | Organic | SHEALY | CAMO-15-90212 | 11/13/14 | R-28 | 934.3 | 958.1 |
| 2015-338 | Organic | SHEALY | CAMO-15-90220 | 11/14/14 | R-50 S1 | 1077 | 1087 |
| 2015-349 | Inorganic | EES6 | CAMO-15-90240 | 11/17/14 | R-62 | 1158.4 | 1179.1 |
| 2015-355 | Inorganic | GELC | CAMO-15-90223 | 11/17/14 | R-62 | 1158.4 | 1179.1 |
| 2015-355 | Inorganic | GELC | CAMO-15-90240 | 11/17/14 | R-62 | 1158.4 | 1179.1 |

| Chain of Custody | Category | Lab | Sample | Date | Location | Screen Top Depth (ft) | Screen Bottom Depth (ft) |
|---|---|---|---|---|---|---|---|
| 2015-355 | Organic | GELC | CAMO-15-90223 | 11/17/14 | R-62 | 1158.4 | 1179.1 |
| 2015-355 | Rad | GELC | CAMO-15-90223 | 11/17/14 | R-62 | 1158.4 | 1179.1 |
| 2015-358 | Organic | CFA | CAMO-15-90223 | 11/17/14 | R-62 | 1158.4 | 1179.1 |
| 2015-360 | Organic | SHEALY | CAMO-15-90223 | 11/17/14 | R-62 | 1158.4 | 1179.1 |
| 2015-368 | Inorganic | EES6 | CAMO-15-90224 | 11/18/14 | MCOI-5 | 689.04 | 699 |
| 2015-370 | Inorganic | GELC | CAMO-15-90224 | 11/18/14 | MCOI-5 | 689.04 | 699 |
| 2015-370 | Inorganic | GELC | CAMO-15-90207 | 11/18/14 | MCOI-5 | 689.04 | 699 |
| 2015-370 | Organic | GELC | CAMO-15-90207 | 11/18/14 | MCOI-5 | 689.04 | 699 |
| 2015-370 | Rad | GELC | CAMO-15-90207 | 11/18/14 | MCOI-5 | 689.04 | 699 |
| 2015-374 | Organic | SHEALY | CAMO-15-90207 | 11/18/14 | MCOI-5 | 689.04 | 699 |
| 2015-379 | Rad | ARSL | CAMO-15-90223 | 11/17/14 | R-62 | 1158.4 | 1179.1 |
| 2015-379 | Rad | ARSL | CAMO-15-90221 | 11/13/14 | R-50 S2 | 1185 | 1205.6 |
| 2015-379 | Rad | ARSL | CAMO-15-90220 | 11/14/14 | R-50 S1 | 1077 | 1087 |
| 2015-387 | Inorganic | EES6 | CASA-15-90257 | 11/19/14 | R-11 | 855 | 877.9 |
| 2015-388 | Inorganic | EES6 | CAMO-15-90239 | 11/19/14 | R-61 S1 | 1125 | 1135 |
| 2015-388 | Inorganic | EES6 | CAMO-15-90227 | 11/19/14 | R-13 | 958.33 | 1018.7 |
| 2015-391 | Inorganic | GELC | CAMO-15-90239 | 11/19/14 | R-61 S1 | 1125 | 1135 |
| 2015-391 | Inorganic | GELC | CAMO-15-90210 | 11/19/14 | R-13 | 958.33 | 1018.7 |
| 2015-391 | Inorganic | GELC | CAMO-15-90227 | 11/19/14 | R-13 | 958.33 | 1018.7 |
| 2015-391 | Inorganic | GELC | CAMO-15-90222 | 11/19/14 | R-61 S1 | 1125 | 1135 |
| 2015-391 | Organic | GELC | CAMO-15-90222 | 11/19/14 | R-61 S1 | 1125 | 1135 |
| 2015-391 | Organic | GELC | CAMO-15-90210 | 11/19/14 | R-13 | 958.33 | 1018.7 |
| 2015-391 | Rad | GELC | CAMO-15-90210 | 11/19/14 | R-13 | 958.33 | 1018.7 |
| 2015-391 | Rad | GELC | CAMO-15-90222 | 11/19/14 | R-61 S1 | 1125 | 1135 |
| 2015-393 | Inorganic | GELC | CASA-15-90249 | 11/19/14 | R-11 | 855 | 877.9 |
| 2015-393 | Inorganic | GELC | CASA-15-90257 | 11/19/14 | R-11 | 855 | 877.9 |
| 2015-393 | Organic | GELC | CASA-15-90249 | 11/19/14 | R-11 | 855 | 877.9 |
| 2015-393 | Rad | GELC | CASA-15-90249 | 11/19/14 | R-11 | 855 | 877.9 |
| 2015-398 | Organic | SHEALY | CAMO-15-90222 | 11/19/14 | R-61 S1 | 1125 | 1135 |
| 2015-398 | Organic | SHEALY | CAMO-15-90210 | 11/19/14 | R-13 | 958.33 | 1018.7 |
| 2015-399 | Organic | SHEALY | CASA-15-90249 | 11/19/14 | R-11 | 855 | 877.9 |
| 2015-400 | Organic | CFA | CAMO-15-90222 | 11/19/14 | R-61 S1 | 1125 | 1135 |
| 2015-412 | Inorganic | EES6 | CASA-15-90261 | 11/21/14 | R-43 S1 | 903.9 | 924.6 |
| 2015-412 | Inorganic | EES6 | CASA-15-90262 | 11/21/14 | R-43 S2 | 969.1 | 979.1 |
| 2015-415 | Inorganic | GELC | CASA-15-90254 | 11/21/14 | R-43 S2 | 969.1 | 979.1 |
| 2015-415 | Inorganic | GELC | CASA-15-90261 | 11/21/14 | R-43 S1 | 903.9 | 924.6 |
| 2015-415 | Inorganic | GELC | CASA-15-90262 | 11/21/14 | R-43 S2 | 969.1 | 979.1 |
| 2015-415 | Inorganic | GELC | CASA-15-90253 | 11/21/14 | R-43 S1 | 903.9 | 924.6 |

| Chain of Custody | Category | Lab | Sample | Date | Location | Screen Top Depth (ft) | Screen Bottom Depth (ft) |
|---|---|---|---|---|---|---|---|
| 2015-415 | Organic | GELC | CASA-15-90253 | 11/21/14 | R-43 S1 | 903.9 | 924.6 |
| 2015-415 | Organic | GELC | CASA-15-90254 | 11/21/14 | R-43 S2 | 969.1 | 979.1 |
| 2015-415 | Rad | GELC | CASA-15-90254 | 11/21/14 | R-43 S2 | 969.1 | 979.1 |
| 2015-415 | Rad | GELC | CASA-15-90253 | 11/21/14 | R-43 S1 | 903.9 | 924.6 |
| 2015-417 | Organic | SHEALY | CASA-15-90253 | 11/21/14 | R-43 S1 | 903.9 | 924.6 |
| 2015-417 | Organic | SHEALY | CASA-15-90254 | 11/21/14 | R-43 S2 | 969.1 | 979.1 |
| 2015-459 | Rad | ARSL | CAMO-15-90210 | 11/19/14 | R-13 | 958.33 | 1018.7 |
| 2015-459 | Rad | ARSL | CAMO-15-90222 | 11/19/14 | R-61 S1 | 1125 | 1135 |
| 2015-460 | Rad | ARSL | CASA-15-90253 | 11/21/14 | R-43 S1 | 903.9 | 924.6 |
| 2015-460 | Rad | ARSL | CASA-15-90254 | 11/21/14 | R-43 S2 | 969.1 | 979.1 |
| 2015-461 | Rad | ARSL | CASA-15-90249 | 11/19/14 | R-11 | 855 | 877.9 |

[a] UIL = University of Illinois, Urbana-Champaign.

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

[c] EES6 = Hydrology, Geochemistry, and Geology Group (Los Alamos National Laboratory).

[d] Rad = Radiochemistry (not gamma).

[e] SHEALY = Shealy Environmental Services, Inc.

[f] ARSL = American Radiation Services, Inc.