

LA-UR-16-21992  
May 2016  
EP2016-0034

# **Periodic Monitoring Report for Chromium Investigation Monitoring Group, First Quarter, Monitoring Year 2016**



Prepared by the Associate Directorate for Environmental Management

Los Alamos National Laboratory, operated by Los Alamos National Security, LLC, for the U.S. Department of Energy (DOE) under Contract No. DE-AC52-06NA253 and under DOE Office of Environmental Management Contract No. DE-EM0003528, has prepared this document pursuant to the Compliance Order on Consent, signed March 1, 2005. The Compliance Order on Consent contains requirements for the investigation and cleanup, including corrective action, of contamination at Los Alamos National Laboratory. The U.S. government has rights to use, reproduce, and distribute this document. The public may copy and use this document without charge, provided that this notice and any statement of authorship are reproduced on all copies.

# Periodic Monitoring Report for Chromium Investigation Monitoring Group, First Quarter, Monitoring Year 2016

May 2016

Responsible project manager:

Printed Name		Project Manager	Environmental Remediation Program	Date
Steve Paris				5/12/2016

Responsible LANS representative:

Printed Name		Associate Director	Associate Directorate for Environmental Management	Date
Randall Erickson				5/11/16

Responsible DOE-EM-LA representative:

Printed Name		Office Director	Quality and Regulatory Compliance	Date
David S. Rhodes				5/17/2016



## **EXECUTIVE SUMMARY**

This periodic monitoring report (PMR) provides the results of the monitoring year 2016, 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 2016 Monitoring Year, October 2015–September 2016, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from November 6 to November 24, 2015, 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; radionuclides, including low-level tritium; general inorganic chemicals, including perchlorate; stable isotopes; and field parameters (dissolved oxygen, oxidation-reduction potential, 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.



## CONTENTS

<b>1.0</b>	<b>INTRODUCTION.....</b>	<b>1</b>
1.1	Background.....	1
<b>2.0</b>	<b>SCOPE OF ACTIVITIES .....</b>	<b>2</b>
<b>3.0</b>	<b>MONITORING RESULTS .....</b>	<b>2</b>
3.1	Methods and Procedures .....	2
3.2	Field Parameter Results .....	3
3.3	Groundwater Elevations .....	3
3.4	Deviations from Planned Scope .....	3
<b>4.0</b>	<b>ANALYTICAL DATA RESULTS.....</b>	<b>3</b>
4.1	Methods and Procedures .....	3
4.2	Analytical Data.....	4
4.2.1	Surface Water (Base Flow) .....	6
4.2.2	Groundwater.....	6
4.3	Sampling Program Modifications.....	7
<b>5.0</b>	<b>SUMMARY AND INTERPRETATIONS.....</b>	<b>8</b>
5.1	Monitoring Results .....	8
5.2	Analytical Results .....	8
5.2.1	Surface Water (Base Flow) .....	8
5.2.2	Groundwater.....	8
5.3	Data Gaps.....	8
5.4	Remediation System Monitoring.....	8
<b>6.0</b>	<b>REFERENCES .....</b>	<b>8</b>

### **Figures**

Figure 2.0-1	Locations scheduled to be monitored for this PME (see Table 2.0-1).....	11
Figure 4.2-1	Monitoring group filtered perchlorate concentrations in µg/L.....	12
Figure 4.2-2	Monitoring group filtered chromium concentrations in µg/L.....	13
Figure 4.2-3	Monitoring group unfiltered 1,4-dioxane concentrations in µg/L.....	14

### **Tables**

Table 2.0-1	Chromium Investigation Monitoring Group Locations and General Information.....	15
Table 3.4-1	Chromium Investigation Monitoring Group PME Observations and Deviations .....	16
Table 3.4-2	Target Analytes with MDLs above Screening Levels for Current PME .....	17
Table 3.4-3	Target Analytes with MDLs below Screening Levels for Current PME.....	18
Table 4.2-1	Sources of Screening Levels for Groundwater and Surface Water at Los Alamos National Laboratory.....	19
Table 4.2-2	Chromium Investigation Monitoring Group Groundwater Results above Screening Levels .....	20

**Appendices**

- Appendix A Field Parameter Results, Including Results from Previous Four Monitoring Events if Available
- 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
- Appendix D Groundwater Results Greater Than Half of Screening Levels
- Appendix E Analytical Chemistry Graphs of Screening-Level Exceedances
- Appendix F Analytical Reports (on CD included with this document)

**Plate**

- Plate 1 Groundwater elevations

## **Acronyms and Abbreviations**

amsl	above mean sea level
AOC	area of concern
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
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
HE	high explosives
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDA	material disposal area
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
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RLWTF	Radioactive Liquid Waste Treatment Facility
SIM	selected ion monitoring
SOP	standard operating procedure
SWMU	solid waste management unit
TA	technical area

TNT            2,4,6-trinitrotoluene  
UF            unfiltered  
VOC           volatile organic compound  
Y            yes (best value flag code)

## **1.0 INTRODUCTION**

This periodic monitoring report (PMR) provides documentation of monitoring year 2016, 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 2016 Monitoring Year, October 2015–September 2016 (2016 IFGMP) (LANL 2015, 600467), which was prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from November 6 to November 24, 2015, 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<sup>2</sup>. 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<sup>2</sup>. 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 NMWQCC groundwater standard of 50 µg/L in Mortandad Canyon regional aquifer wells R-28, R-42, R-43, R-50, and R-62. 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 regional aquifer well R-15. 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 2016 IFGMP (LANL 2015, 600467).

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 2016 IFGMP (LANL 2015, 600467).

### **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 current PME.

Table 3.4-2 presents a list of analytes with method detection limits (MDLs) greater than screening levels. Some of the analytes were measured using more than one analytical method, 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 with MDLs 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 2016 IFGMP (LANL 2015, 600467). Purge water is managed and characterized in accordance with the waste characterization strategy form associated with the well and ENV-RCRA-QP-010, Land Application of Groundwater. ENV-RCRA-QP-010 implements the NMED-approved Decision Tree for land application of drilling, development, rehabilitation, and 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/environment/plans-procedures.php> and are available at [eprr.lanl.gov](http://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 industry 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 followed the guidelines set in the DOE model SOP for data validation, which included 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 are 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 lower 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. For the cancer-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 2015 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 radionuclides and radioactivity are voluntarily compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Technical Standards (DCSs) for groundwater but are not reported in Table 4.2-2 or Appendix D.

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 are included in the table except for field duplicate exceedances. For example, if aluminum was detected above a screening level in both a primary sample

and a field duplicate, only the primary sample result is shown. If aluminum was detected above a screening level in two primary samples, both results are shown.

Figures 4.2-1, 4.2-2, and 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.

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.

#### **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. Thirteen results for the current PME were above screening levels.

#### **Intermediate Monitoring Wells**

The filtered perchlorate concentrations for intermediate groundwater wells MCOI-5 and MCOI-6 were 99.4 µg/L and 72.5 µg/L, respectively, above the Consent Order screening level of 4 µg/L. Perchlorate results for MCOI-5 since 2007 range between 68.7 µg/L and 105 µg/L. At MCOI-6, perchlorate concentrations since 2007 range between 56.3 µg/L and 190 µg/L.

In MCOI-6, the filtered chromium concentration of 75.4 µg/L was above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for MCOI-6 have increased from 29.4 µg/L to a maximum of 81.3 µg/L since 2007.

The filtered chromium result of 418 µg/L at intermediate well SCI-2 was above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations observed at SCI-2 since October 2008 have generally decreased from 658 µg/L.

The unfiltered 1,4-dioxane concentrations for intermediate groundwater wells MCOI-5 and MCOI-6 were 9.6 µg/L and 8.14 µg/L, respectively, above the EPA tap water screening level of 4.6 µg/L. Results for 1,4-dioxane at MCOI-5 since 2008 range between 4.41 µg/L and 10 µg/L. Concentrations of 1,4-dioxane at MCOI-6 have decreased from 29.6 µg/L since August 2007.

#### **Regional Monitoring Wells**

The perchlorate concentration in regional well R-15 was 9.05 µg/L, above the Consent Order screening level of 4 µg/L. Previous perchlorate values for R-15 measured by the liquid chromatography/mass spectrometry method since 2003 range from 4.6 µg/L to the recent result of 9.05 µg/L, though many are estimated values (J-qualified).

In regional well R-28, the filtered chromium concentration was 407 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for R-28 since 2005 range from 310 µg/L to 472 µg/L.

In regional well R-42, the filtered chromium concentration was 821 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for R-42 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 134 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for R-43 S1 have risen steadily from the first nondetect results in late 2008 to a maximum of 146 µg/L observed in August 2015.

The filtered chromium concentration from regional aquifer well R-50 S1 was 95.7 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for R-50 S1 since 2010 range from 49.8 µg/L to 126 µg/L.

The filtered chromium concentration from regional aquifer well R-62 was 161 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for R-62 since 2012 range from 104 µg/L to 240 µg/L.

The unfiltered dibenz(a,h)anthracene concentration for regional aquifer well R-33 S2 was 0.0968 µg/L, above the EPA tap water screening level of 0.034 µg/L. The reported result of 0.0968 µg/L is an estimated value (J-qualified) obtained using the low-MDL gas chromatography/mass spectrometry selected ion monitoring (SIM) analytical method. This is the first detection of dibenz(a,h)anthracene observed at R-33 S2 since August 2007.

#### **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 stated that R-61 was affected by impacts from drilling and well construction, and groundwater 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 S2 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 S1 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 S1 be retained in the monitoring network as a single-screen well, with an extended sample 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 required that 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).

The Laboratory will no longer report analytical and field parameter measurements for R-61 S1 per NMED's response to the R-61 report (NMED 2014, 600065). Water-level measurements will continue to be reported for this well location.

## **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 two exceptions. First, the perchlorate concentration at R-15 is the highest observed to date. Second, the current PME is the first time dibenz(a,h)anthracene was detected in a groundwater sample collected from R-33 S2.

### **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 deviation.

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

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

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)

LANL (Los Alamos National Laboratory), May 2015. "Interim Facility-Wide Groundwater Monitoring Plan for the 2016 Monitoring Year, October 2015–September 2016," Los Alamos National Laboratory document LA-UR-15-23276, Los Alamos, New Mexico. (LANL 2015, 600467)

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)



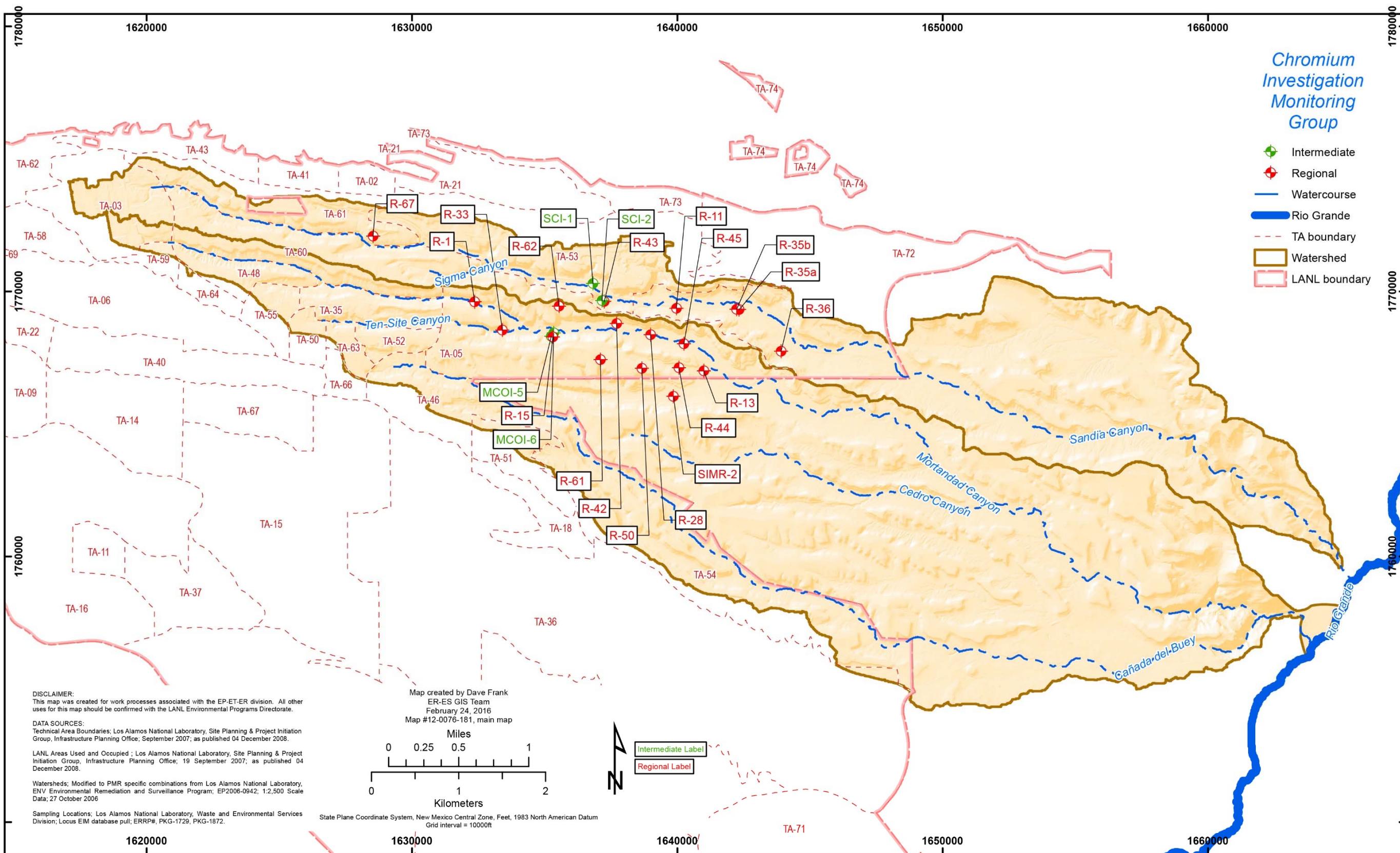
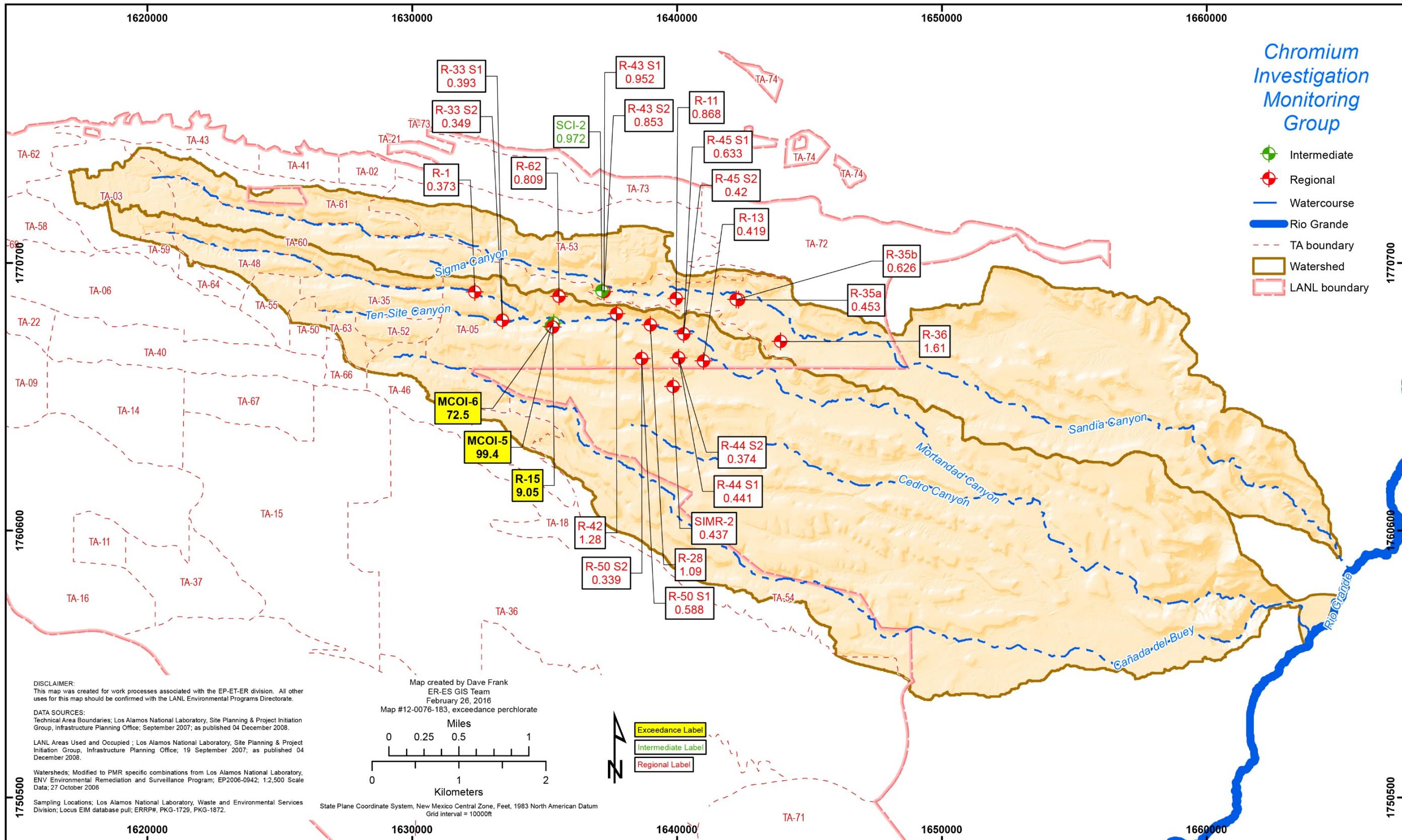
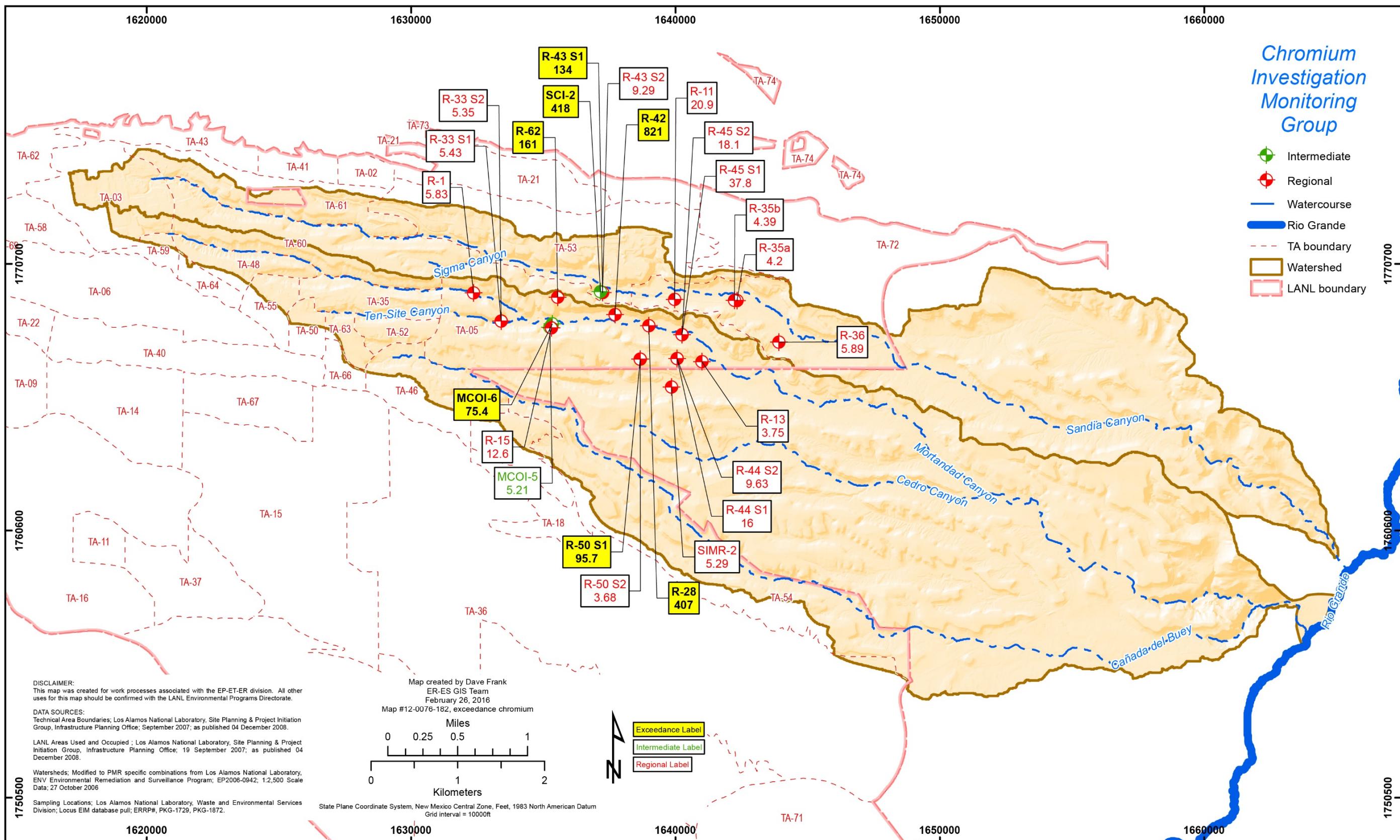


Figure 2.0-1 Locations scheduled to be monitored for this PME (see Table 2.0-1)

Figure 4.2-1 Monitoring group filtered perchlorate concentrations in  $\mu\text{g/L}$ . The Consent Order screening level is 4  $\mu\text{g/L}$ .

Figure 4.2-2 Monitoring group filtered chromium concentrations in  $\mu\text{g}/\text{L}$ . The NMWQCC groundwater standard screening level is 50  $\mu\text{g}/\text{L}$ .

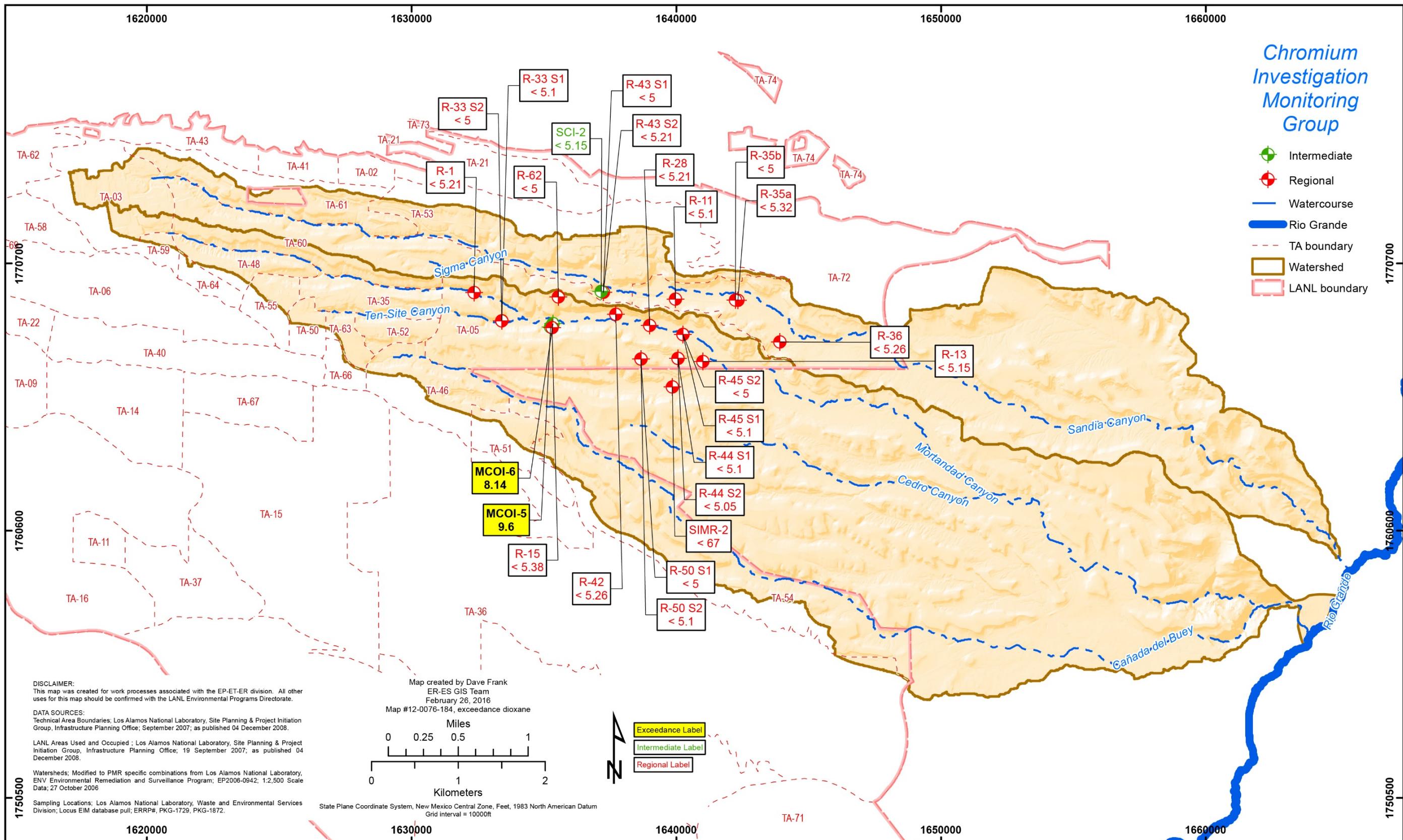


Figure 4.2-3 Monitoring group unfiltered 1,4-dioxane concentrations in µg/L. The EPA tap water screening level is 4.6 µg/L.

**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 <sup>a</sup> )
<b>Intermediate</b>							
MCOI-5	11/16/15	10	689.04	699	12.23	12.48	0.48
MCOI-6	11/06/15	22.3	686	708.3	44.35	133.4	1.25
SCI-1	n/a <sup>b</sup>	19.5	358.4	377.9	n/a	n/a	n/a <sup>c</sup>
SCI-2	11/13/15	20	548	568	5.45	17.85	0.85
<b>Regional</b>							
R-1	11/20/15	26.3	1031.1	1057.4	62.1	186.3	3.45
R-11	11/11/15	22.9	855	877.9	50.98	153	3
R-13	11/10/15	60.4	958.3	1018.7	155.48	467.39	5.77
R-15	11/20/15	61.7	958.6	1020.3	56.45	232.4	8.3
R-28	11/16/15	23.8	934.3	958.1	71.02	215.09	2.56
R-33 S1	11/12/15	23	995.5	1018.5	73.54	220.64	3.15
R-33 S2	11/12/15	9.9	1112.4	1122.3	40.43	121.8	2.9
R-35a	11/09/15	49.1	1013.1	1062.2	241.5	727.65	3.85
R-35b	11/06/15	23.1	825.4	848.5	66.24	200.3	3.09
R-36	11/17/15	23	766.9	789.9	42.81	131.1	3.45
R-42	11/16/15	21.1	931.8	952.9	51.59	156	3
R-43 S1	11/18/15	20.7	903.9	924.6	65.2	197.6	1.52
R-43 S2	11/18/15	10	969.1	979.1	25.5	78.5	1.57
R-44 S1	11/12/15	10	895	905	54.9	166.5	3.33
R-44 S2	11/12/15	9.9	985.3	995.2	76.4	229.7	3.33
R-45 S1	11/11/15	10	880	890	51.1	155.3	3.53
R-45 S2	11/11/15	20	974.9	994.9	91.8	278.1	3.09
R-50 S1	11/09/15	10	1077	1087	48.6	146.16	2.61
R-50 S2	11/09/15	20.6	1185	1205.6	96.5	290	1.79
R-61 S1	11/10/15	10	1125	1135	58.9	530.4	2.08
R-62	11/19/15	20.7	1158.4	1179.1	44.59	135.28	1.78
R-67	n/a	20.4	1242.6	1263.0	n/a	n/a	n/a <sup>c</sup>
SIMR-2	11/24/15	20.4	885	905.4	100.7	303.24	3.61

<sup>a</sup> gpm = Gallons per minute.

<sup>b</sup> n/a = Not applicable.

<sup>c</sup> See Table 3.4-1 for explanation.

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

Location	Deviation	Cause	Comment
SCI-1	No data are included in this report for this location.	This location was not sampled because the well pump was not functional.	The pump at this location is scheduled for replacement. This location will be sampled during the next scheduled PME.
R-67	No data are included in this report for this location.	This location was not sampled because the pump was not yet installed in this new well.	This location will be sampled during the next scheduled PME.

**Table 3.4-2**  
**Target Analytes with MDLs above Screening Levels for Current PME**

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
<b>Semivolatile Organic Compounds</b>						
Atrazine	20.1	SW-846:8270D	3	µg/L	EPA MCL	GELC <sup>a</sup>
Azobenzene	1.5–20.1	SW-846:8270D	1.2	µg/L	EPA TAP SCRNLVL <sup>b</sup>	GELC
Benzidine	0.83–26.1	SW-846:8270DGCMSSIM, SW-846:8270D	0.0011	µg/L	EPA TAP SCRNLVL	GELC
Benzo(a)anthracene	0.15–2.01	SW-846:8270D	0.12	µg/L	EPA TAP SCRNLVL	GELC
Benzo(a)pyrene	2.01	SW-846:8270D	0.2	µg/L	EPA MCL	GELC
Benzo(b)fluoranthene	2.01	SW-846:8270D	0.34	µg/L	EPA TAP SCRNLVL	GELC
Bis(2-chloroethyl)ether	1.5–20.1	SW-846:8270D	0.14	µg/L	EPA TAP SCRNLVL	GELC
Dibenz(a,h)anthracene	0.15–2.01	SW-846:8270D	0.034	µg/L	EPA TAP SCRNLVL	GELC
Dichlorobenzidine[3,3']	1.5–20.1	SW-846:8270D	1.3	µg/L	EPA TAP SCRNLVL	GELC
Dinitro-2-methylphenol[4,6-]	1.52–20.1	SW-846:8270D	1.5	µg/L	EPA TAP SCRNLVL	GELC
Hexachlorobenzene	1.5–20.1	SW-846:8270D	1	µg/L	EPA MCL	GELC
Indeno(1,2,3-cd)pyrene	2.01	SW-846:8270D	0.34	µg/L	EPA TAP SCRNLVL	GELC
Nitrosodiethylamine[N-]	0.03–20.1	SW-846:8270DGCMSSIM, SW-846:8270D	0.0017	µg/L	EPA TAP SCRNLVL	GELC
Nitrosodimethylamine[N-]	0.07–20.1	SW-846:8270DGCMSSIM, SW-846:8270D	0.0011	µg/L	EPA TAP SCRNLVL	GELC
Nitroso-di-n-butylamine[N-]	0.03–20.1	SW-846:8270DGCMSSIM, SW-846:8270D	0.027	µg/L	EPA TAP SCRNLVL	GELC
Nitroso-di-n-propylamine[N-]	1.5–20.1	SW-846:8270D	0.11	µg/L	EPA TAP SCRNLVL	GELC
Nitrosopyrrolidine[N-]	1.5–20.1	SW-846:8270D	0.37	µg/L	EPA TAP SCRNLVL	GELC
Pentachlorophenol	1.5–20.1	SW-846:8270D	1	µg/L	EPA MCL	GELC
<b>Volatile Organic Compounds</b>						
Acrolein	0.5–1.5	SW-846:8260B_SIM, SW-846:8260B	0.042	µg/L	EPA TAP SCRNLVL	GELC
Acrylonitrile	1	SW-846:8260B	0.52	µg/L	EPA TAP SCRNLVL	GELC
Chloro-1,3-butadiene[2-]	0.2	SW-846:8260B	0.19	µg/L	EPA TAP SCRNLVL	GELC
Trichloropropane[1,2,3-]	0.019–0.3	SW-846:8011, SW-846:8260B	0.0075	µg/L	EPA TAP SCRNLVL	GELC

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

<sup>a</sup> GELC = General Engineering Laboratories, Inc., Charleston, SC.

<sup>b</sup> EPA TAP SCRNLVL = U.S. Environmental Protection Agency regional screening level for tap water.

**Table 3.4-3**  
**Target Analytes with MDLs below Screening Levels for Current PME**

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
<b>Herbicides</b>						
Pentachlorophenol	0.0842–0.0969	SW-846:8151A	1	µg/L	EPA MCL	GELC <sup>a</sup>
<b>Pesticides and PCBs</b>						
Hexachlorobenzene	0.00638–0.00702	SW-846:8081B	1	µg/L	EPA MCL	GELC
<b>Semivolatile Organic Compounds</b>						
Atrazine	1.5–1.61	SW-846:8270D	3	µg/L	EPA MCL	GELC
Benzo(a)anthracene	0.03–0.0323	SW-846:8270DGCMS_SIM	0.12	µg/L	EPA TAP SCRNLVL <sup>b</sup>	GELC
Benzo(a)pyrene	0.03–0.161	SW-846:8270D, SW-846:8270DGCMS_SIM	0.2	µg/L	EPA MCL	GELC
Benzo(b)fluoranthene	0.03–0.161	SW-846:8270D, SW-846:8270DGCMS_SIM	0.34	µg/L	EPA TAP SCRNLVL	GELC
Bis(2-chloroethyl)ether	0.03–0.0323	SW-846:8270DGCMS_SIM	0.14	µg/L	EPA TAP SCRNLVL	GELC
Dibenz(a,h)anthracene	0.03–0.0323	SW-846:8270DGCMS_SIM	0.034	µg/L	EPA TAP SCRNLVL	GELC
Dichlorobenzidine[3,3'-]	0.039–0.0419	SW-846:8270DGCMS_SIM	1.3	µg/L	EPA TAP SCRNLVL	GELC
Dinitro-2-methylphenol[4,6-]	1.5	SW-846:8270D	1.5	µg/L	EPA TAP SCRNLVL	GELC
Indeno(1,2,3-cd)pyrene	0.03–0.161	SW-846:8270D, SW-846:8270DGCMS_SIM	0.34	µg/L	EPA TAP SCRNLVL	GELC
Nitroso-di-n-propylamine[N-]	0.03–0.0323	SW-846:8270DGCMS_SIM	0.11	µg/L	EPA TAP SCRNLVL	GELC
Nitrosopyrrolidine[N-]	0.03–0.0323	SW-846:8270DGCMS_SIM	0.37	µg/L	EPA TAP SCRNLVL	GELC
Oxybis(1-chloropropane)[2,2'-]	1.5–20.1	SW-846:8270D	710	µg/L	EPA TAP SCRNLVL	GELC
<b>Volatile Organic Compounds</b>						
Acrylonitrile	0.5	SW-846:8260B_SIM	0.52	µg/L	EPA TAP SCRNLVL	GELC
Chloro-1,3-butadiene[2-]	0.1	SW-846:8260B_SIM	0.19	µg/L	EPA TAP SCRNLVL	GELC
Dibromo-3-Chloropropane[1,2-]	0.00899–0.00958	SW-846:8011	0.2	µg/L	EPA MCL	GELC
Dibromoethane[1,2-]	0.00899–0.00958	SW-846:8011	0.05	µg/L	EPA MCL	GELC
Methacrylonitrile	1	SW-846:8260B	1.9	µg/L	EPA TAP SCRNLVL	GELC

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

<sup>a</sup> GELC = General Engineering Laboratories, Inc., Charleston, SC.

<sup>b</sup> EPA TAP SCRNLVL = U.S. Environmental Protection Agency regional screening level for tap water.

**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 <sup>a</sup>	X <sup>b</sup>
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 <sup>c</sup> 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
Consent Order	Screening Level for Perchlorate in Groundwater	X	n/a
20 NMAC 6.2.3103	NMWQCC Groundwater Standard	X	n/a
20 NMAC 6.4.C	NMWQCC Irrigation Standard	n/a	X
20 NMAC 6.4.F	NMWQCC Livestock Watering Standard	n/a	X
20 NMAC 6.4.G	NMWQCC Wildlife Habitat Standard	n/a	X
20 NMAC 6.4.H	NMWQCC Aquatic Life Standards Acute	n/a	X <sup>d,e</sup>
20 NMAC 6.4.H	NMWQCC Aquatic Life Standards Chronic	n/a	X <sup>d,e</sup>
20 NMAC 6.4.H	NMWQCC Aquatic Life Human Health Standard	n/a	X

<sup>a</sup> n/a = Not applicable.

<sup>b</sup> X = Applied to data screen for this report.

<sup>c</sup> CFR = Code of Federal Regulations.

<sup>d</sup> Hardness-based standards for total recoverable aluminum and dissolved chromium(III) conservatively compared with results for total aluminum and dissolved chromium, respectively.

<sup>e</sup> Standard for dissolved chromium(VI) conservatively compared with results for dissolved chromium.

**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
<b>Intermediate Groundwater</b>							
MCOI-5	11/16/15	Perchlorate	F <sup>a</sup>	99.4	µg/L	4	Consent Order
MCOI-6	11/06/15	Perchlorate	F	72.5	µg/L	4	Consent Order
MCOI-6	11/06/15	Chromium	F	75.4	µg/L	50	NMWQCC GW STD <sup>b</sup>
SCI-2	11/13/15	Chromium	F	418	µg/L	50	NMWQCC GW STD
MCOI-5	11/16/15	Dioxane[1,4-]	UF <sup>c</sup>	9.6	µg/L	4.6	EPA TAP SCRn LVL <sup>d</sup>
MCOI-6	11/06/15	Dioxane[1,4-]	UF	8.14	µg/L	4.6	EPA TAP SCRn LVL
<b>Regional Groundwater</b>							
R-15	11/20/15	Perchlorate	F	9.05	µg/L	4	Consent Order
R-28	11/16/15	Chromium	F	407	µg/L	50	NMWQCC GW STD
R-42	11/16/15	Chromium	F	821	µg/L	50	NMWQCC GW STD
R-43 S1	11/18/15	Chromium	F	134	µg/L	50	NMWQCC GW STD
R-50 S1	11/09/15	Chromium	F	95.7	µg/L	50	NMWQCC GW STD
R-62	11/19/15	Chromium	F	161	µg/L	50	NMWQCC GW STD
R-33 S2	11/12/15	Dibenz(a,h)anthracene	UF	0.0968	µg/L	0.034	EPA TAP SCRn LVL

<sup>a</sup> F = Filtered.

<sup>b</sup> NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.

<sup>c</sup> UF = Unfiltered.

<sup>d</sup> EPA TAP SCRn LVL = U.S. Environmental Protection Agency regional screening level for tap water.

## **Appendix A**

---

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



A-1

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-5	689.04	11/16/15	WG <sup>a</sup>	Dissolved Oxygen	6.7	mg/L	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Dissolved Oxygen	6.36	mg/L	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	Dissolved Oxygen	6.06	mg/L	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	Dissolved Oxygen	6.54	mg/L	CAMO-15-92477
MCOI-5	689.04	11/18/14	WG	Dissolved Oxygen	6.17	mg/L	CAMO-15-90207
MCOI-5	689.04	11/16/15	WG	Flow (in gpm <sup>b</sup> )	0.48	gpm	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Flow (in gpm)	0.43	gpm	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	Flow (in gpm)	0.45	gpm	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	Flow (in gpm)	0.4	gpm	CAMO-15-92477
MCOI-5	689.04	11/18/14	WG	Flow (in gpm)	0.46	gpm	CAMO-15-90207
MCOI-5	689.04	11/16/15	WG	Oxidation-Reduction Potential	68.6	mV	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Oxidation-Reduction Potential	151.3	mV	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	Oxidation-Reduction Potential	166.3	mV	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	Oxidation-Reduction Potential	181.1	mV	CAMO-15-92477
MCOI-5	689.04	11/18/14	WG	Oxidation-Reduction Potential	199.2	mV	CAMO-15-90207
MCOI-5	689.04	11/16/15	WG	pH	8.35	SU <sup>c</sup>	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	pH	8.63	SU	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	pH	8.49	SU	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	pH	8.58	SU	CAMO-15-92477
MCOI-5	689.04	11/18/14	WG	pH	8.38	SU	CAMO-15-90207
MCOI-5	689.04	11/16/15	WG	Specific Conductance	219	µS/cm	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Specific Conductance	216	µS/cm	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	Specific Conductance	215	µS/cm	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	Specific Conductance	208	µS/cm	CAMO-15-92477
MCOI-5	689.04	11/18/14	WG	Specific Conductance	234	µS/cm	CAMO-15-90207
MCOI-5	689.04	11/16/15	WG	Temperature	13.22	deg C	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Temperature	15.24	deg C	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	Temperature	14.22	deg C	CAMO-15-95772

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-5	689.04	02/20/15	WG	Temperature	13.39	deg C	CAMO-15-92477
MCOI-5	689.04	11/18/14	WG	Temperature	13.39	deg C	CAMO-15-90207
MCOI-5	689.04	11/16/15	WG	Turbidity	0.64	NTU <sup>d</sup>	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Turbidity	1.9	NTU	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	Turbidity	1.4	NTU	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	Turbidity	0.74	NTU	CAMO-15-92477
MCOI-5	689.04	11/18/14	WG	Turbidity	1.1	NTU	CAMO-15-90207
MCOI-6	686	11/06/15	WG	Dissolved Oxygen	7.31	mg/L	CAMO-16-106095
MCOI-6	686	08/04/15	WG	Dissolved Oxygen	7.07	mg/L	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Dissolved Oxygen	7.06	mg/L	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Dissolved Oxygen	6.81	mg/L	CAMO-15-92478
MCOI-6	686	11/07/14	WG	Dissolved Oxygen	6.97	mg/L	CAMO-15-90208
MCOI-6	686	11/06/15	WG	Flow (in gpm)	1.55	gpm	CAMO-16-106095
MCOI-6	686	08/04/15	WG	Flow (in gpm)	1.5	gpm	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Flow (in gpm)	1.6	gpm	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Flow (in gpm)	1.43	gpm	CAMO-15-92478
MCOI-6	686	11/07/14	WG	Flow (in gpm)	1.58	gpm	CAMO-15-90208
MCOI-6	686	11/06/15	WG	Oxidation-Reduction Potential	196.1	mV	CAMO-16-106095
MCOI-6	686	08/04/15	WG	Oxidation-Reduction Potential	122	mV	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Oxidation-Reduction Potential	141.9	mV	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Oxidation-Reduction Potential	103.4	mV	CAMO-15-92478
MCOI-6	686	11/07/14	WG	Oxidation-Reduction Potential	160.6	mV	CAMO-15-90208
MCOI-6	686	11/06/15	WG	pH	7.3	SU	CAMO-16-106095
MCOI-6	686	08/04/15	WG	pH	6.98	SU	CAMO-15-102573
MCOI-6	686	05/05/15	WG	pH	7.11	SU	CAMO-15-95773
MCOI-6	686	02/26/15	WG	pH	7.04	SU	CAMO-15-92478
MCOI-6	686	11/07/14	WG	pH	7.04	SU	CAMO-15-90208
MCOI-6	686	11/06/15	WG	Specific Conductance	566	µS/cm	CAMO-16-106095

A-3

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	08/04/15	WG	Specific Conductance	642	µS/cm	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Specific Conductance	577	µS/cm	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Specific Conductance	567	µS/cm	CAMO-15-92478
MCOI-6	686	11/07/14	WG	Specific Conductance	594	µS/cm	CAMO-15-90208
MCOI-6	686	11/06/15	WG	Temperature	15.84	deg C	CAMO-16-106095
MCOI-6	686	08/04/15	WG	Temperature	16.27	deg C	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Temperature	14.65	deg C	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Temperature	17.54	deg C	CAMO-15-92478
MCOI-6	686	11/07/14	WG	Temperature	15.7	deg C	CAMO-15-90208
MCOI-6	686	11/06/15	WG	Turbidity	0.7	NTU	CAMO-16-106095
MCOI-6	686	08/04/15	WG	Turbidity	0.9	NTU	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Turbidity	0.1	NTU	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Turbidity	1.3	NTU	CAMO-15-92478
MCOI-6	686	11/07/14	WG	Turbidity	1.19	NTU	CAMO-15-90208
R-1	1031.12	11/20/15	WG	Dissolved Oxygen	5.88	mg/L	CAMO-16-106096
R-1	1031.12	05/04/15	WG	Dissolved Oxygen	5.77	mg/L	CAMO-15-95774
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	11/20/15	WG	Flow (in gpm)	3.45	gpm	CAMO-16-106096
R-1	1031.12	05/04/15	WG	Flow (in gpm)	3.19	gpm	CAMO-15-95774
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	11/20/15	WG	Oxidation-Reduction Potential	99.4	mV	CAMO-16-106096
R-1	1031.12	05/04/15	WG	Oxidation-Reduction Potential	59.9	mV	CAMO-15-95774
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

A-4

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-1	1031.12	10/30/12	WG	Oxidation-Reduction Potential	-13.3	mV	CAMO-13-24240
R-1	1031.12	11/20/15	WG	pH	7.73	SU	CAMO-16-106096
R-1	1031.12	05/04/15	WG	pH	7.76	SU	CAMO-15-95774
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	11/20/15	WG	Specific Conductance	142	µS/cm	CAMO-16-106096
R-1	1031.12	05/04/15	WG	Specific Conductance	141	µS/cm	CAMO-15-95774
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	11/20/15	WG	Temperature	21.66	deg C	CAMO-16-106096
R-1	1031.12	05/04/15	WG	Temperature	22.31	deg C	CAMO-15-95774
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	11/20/15	WG	Turbidity	0.28	NTU	CAMO-16-106096
R-1	1031.12	05/04/15	WG	Turbidity	0.2	NTU	CAMO-15-95774
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-11	855	11/11/15	WG	Dissolved Oxygen	7.1	mg/L	CASA-16-106240
R-11	855	08/07/15	WG	Dissolved Oxygen	6.86	mg/L	CASA-15-102633
R-11	855	05/14/15	WG	Dissolved Oxygen	7.23	mg/L	CASA-15-95818
R-11	855	02/12/15	WG	Dissolved Oxygen	7.14	mg/L	CASA-15-92511
R-11	855	11/19/14	WG	Dissolved Oxygen	7.35	mg/L	CASA-15-90249
R-11	855	11/11/15	WG	Flow (in gpm)	3	gpm	CASA-16-106240
R-11	855	08/07/15	WG	Flow (in gpm)	3	gpm	CASA-15-102633

A-5

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-11	855	05/14/15	WG	Flow (in gpm)	2.9	gpm	CASA-15-95818
R-11	855	02/12/15	WG	Flow (in gpm)	3	gpm	CASA-15-92511
R-11	855	11/19/14	WG	Flow (in gpm)	2.88	gpm	CASA-15-90249
R-11	855	11/11/15	WG	Oxidation-Reduction Potential	167.1	mV	CASA-16-106240
R-11	855	08/07/15	WG	Oxidation-Reduction Potential	69.7	mV	CASA-15-102633
R-11	855	05/14/15	WG	Oxidation-Reduction Potential	170.9	mV	CASA-15-95818
R-11	855	02/12/15	WG	Oxidation-Reduction Potential	184.1	mV	CASA-15-92511
R-11	855	11/19/14	WG	Oxidation-Reduction Potential	190	mV	CASA-15-90249
R-11	855	11/11/15	WG	pH	8.03	SU	CASA-16-106240
R-11	855	08/07/15	WG	pH	7.9	SU	CASA-15-102633
R-11	855	05/14/15	WG	pH	8.06	SU	CASA-15-95818
R-11	855	02/12/15	WG	pH	7.97	SU	CASA-15-92511
R-11	855	11/19/14	WG	pH	8.06	SU	CASA-15-90249
R-11	855	11/11/15	WG	Specific Conductance	230	µS/cm	CASA-16-106240
R-11	855	08/07/15	WG	Specific Conductance	254	µS/cm	CASA-15-102633
R-11	855	05/14/15	WG	Specific Conductance	233	µS/cm	CASA-15-95818
R-11	855	02/12/15	WG	Specific Conductance	230	µS/cm	CASA-15-92511
R-11	855	11/19/14	WG	Specific Conductance	261	µS/cm	CASA-15-90249
R-11	855	11/11/15	WG	Temperature	20.71	deg C	CASA-16-106240
R-11	855	08/07/15	WG	Temperature	21.68	deg C	CASA-15-102633
R-11	855	05/14/15	WG	Temperature	21.62	deg C	CASA-15-95818
R-11	855	02/12/15	WG	Temperature	21.24	deg C	CASA-15-92511
R-11	855	11/19/14	WG	Temperature	21.25	deg C	CASA-15-90249
R-11	855	11/11/15	WG	Turbidity	0.2	NTU	CASA-16-106240
R-11	855	08/07/15	WG	Turbidity	0.9	NTU	CASA-15-102633
R-11	855	05/14/15	WG	Turbidity	0.74	NTU	CASA-15-95818
R-11	855	02/12/15	WG	Turbidity	0.8	NTU	CASA-15-92511
R-11	855	11/19/14	WG	Turbidity	1.6	NTU	CASA-15-90249

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-13	958.33	11/10/15	WG	Dissolved Oxygen	6.45	mg/L	CAMO-16-106097
R-13	958.33	08/11/15	WG	Dissolved Oxygen	6.17	mg/L	CAMO-15-102574
R-13	958.33	05/14/15	WG	Dissolved Oxygen	6.3	mg/L	CAMO-15-95775
R-13	958.33	02/13/15	WG	Dissolved Oxygen	6.51	mg/L	CAMO-15-92479
R-13	958.33	11/19/14	WG	Dissolved Oxygen	6.44	mg/L	CAMO-15-90210
R-13	958.33	11/10/15	WG	Flow (in gpm)	5.77	gpm	CAMO-16-106097
R-13	958.33	08/11/15	WG	Flow (in gpm)	5.66	gpm	CAMO-15-102574
R-13	958.33	05/14/15	WG	Flow (in gpm)	0.89	gpm	CAMO-15-95775
R-13	958.33	02/13/15	WG	Flow (in gpm)	5	gpm	CAMO-15-92479
R-13	958.33	11/19/14	WG	Flow (in gpm)	5.35	gpm	CAMO-15-90210
R-13	958.33	11/10/15	WG	Oxidation-Reduction Potential	142.9	mV	CAMO-16-106097
R-13	958.33	08/11/15	WG	Oxidation-Reduction Potential	121.8	mV	CAMO-15-102574
R-13	958.33	05/14/15	WG	Oxidation-Reduction Potential	6.3	mV	CAMO-15-95775
R-13	958.33	02/13/15	WG	Oxidation-Reduction Potential	45.5	mV	CAMO-15-92479
R-13	958.33	11/19/14	WG	Oxidation-Reduction Potential	158.3	mV	CAMO-15-90210
R-13	958.33	11/10/15	WG	pH	8.13	SU	CAMO-16-106097
R-13	958.33	08/11/15	WG	pH	8.18	SU	CAMO-15-102574
R-13	958.33	05/14/15	WG	pH	8.24	SU	CAMO-15-95775
R-13	958.33	02/13/15	WG	pH	8.23	SU	CAMO-15-92479
R-13	958.33	11/19/14	WG	pH	8.21	SU	CAMO-15-90210
R-13	958.33	11/10/15	WG	Specific Conductance	144	µS/cm	CAMO-16-106097
R-13	958.33	08/11/15	WG	Specific Conductance	146	µS/cm	CAMO-15-102574
R-13	958.33	05/14/15	WG	Specific Conductance	144	µS/cm	CAMO-15-95775
R-13	958.33	02/13/15	WG	Specific Conductance	143	µS/cm	CAMO-15-92479
R-13	958.33	11/19/14	WG	Specific Conductance	173	µS/cm	CAMO-15-90210
R-13	958.33	11/10/15	WG	Temperature	21.1	deg C	CAMO-16-106097
R-13	958.33	08/11/15	WG	Temperature	22.1	deg C	CAMO-15-102574
R-13	958.33	05/14/15	WG	Temperature	20.52	deg C	CAMO-15-95775

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-13	958.33	02/13/15	WG	Temperature	21.69	deg C	CAMO-15-92479
R-13	958.33	11/19/14	WG	Temperature	21.61	deg C	CAMO-15-90210
R-13	958.33	11/10/15	WG	Turbidity	0.4	NTU	CAMO-16-106097
R-13	958.33	08/11/15	WG	Turbidity	1	NTU	CAMO-15-102574
R-13	958.33	05/14/15	WG	Turbidity	0.89	NTU	CAMO-15-95775
R-13	958.33	02/13/15	WG	Turbidity	0.4	NTU	CAMO-15-92479
R-13	958.33	11/19/14	WG	Turbidity	0.6	NTU	CAMO-15-90210
R-15	958.6	11/20/15	WG	Dissolved Oxygen	6.58	mg/L	CAMO-16-106099
R-15	958.6	08/13/15	WG	Dissolved Oxygen	7.42	mg/L	CAMO-15-102575
R-15	958.6	05/04/15	WG	Dissolved Oxygen	6.95	mg/L	CAMO-15-95777
R-15	958.6	02/13/15	WG	Dissolved Oxygen	7.06	mg/L	CAMO-15-92480
R-15	958.6	11/10/14	WG	Dissolved Oxygen	7.08	mg/L	CAMO-15-90211
R-15	958.6	11/20/15	WG	Flow (in gpm)	8.3	gpm	CAMO-16-106099
R-15	958.6	08/13/15	WG	Flow (in gpm)	6.38	gpm	CAMO-15-102575
R-15	958.6	05/04/15	WG	Flow (in gpm)	7.9	gpm	CAMO-15-95777
R-15	958.6	02/13/15	WG	Flow (in gpm)	7.5	gpm	CAMO-15-92480
R-15	958.6	11/10/14	WG	Flow (in gpm)	7.5	gpm	CAMO-15-90211
R-15	958.6	11/20/15	WG	Oxidation-Reduction Potential	69.4	mV	CAMO-16-106099
R-15	958.6	08/13/15	WG	Oxidation-Reduction Potential	52.8	mV	CAMO-15-102575
R-15	958.6	05/04/15	WG	Oxidation-Reduction Potential	54.6	mV	CAMO-15-95777
R-15	958.6	02/13/15	WG	Oxidation-Reduction Potential	32	mV	CAMO-15-92480
R-15	958.6	11/10/14	WG	Oxidation-Reduction Potential	69.3	mV	CAMO-15-90211
R-15	958.6	11/20/15	WG	pH	8.04	SU	CAMO-16-106099
R-15	958.6	08/13/15	WG	pH	8.05	SU	CAMO-15-102575
R-15	958.6	05/04/15	WG	pH	8.25	SU	CAMO-15-95777
R-15	958.6	02/13/15	WG	pH	8.32	SU	CAMO-15-92480
R-15	958.6	11/10/14	WG	pH	8.19	SU	CAMO-15-90211
R-15	958.6	11/20/15	WG	Specific Conductance	157	µS/cm	CAMO-16-106099

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-15	958.6	08/13/15	WG	Specific Conductance	167	µS/cm	CAMO-15-102575
R-15	958.6	05/04/15	WG	Specific Conductance	157	µS/cm	CAMO-15-95777
R-15	958.6	02/13/15	WG	Specific Conductance	156	µS/cm	CAMO-15-92480
R-15	958.6	11/10/14	WG	Specific Conductance	154	µS/cm	CAMO-15-90211
R-15	958.6	11/20/15	WG	Temperature	18.1	deg C	CAMO-16-106099
R-15	958.6	08/13/15	WG	Temperature	20.53	deg C	CAMO-15-102575
R-15	958.6	05/04/15	WG	Temperature	20.31	deg C	CAMO-15-95777
R-15	958.6	02/13/15	WG	Temperature	20.2	deg C	CAMO-15-92480
R-15	958.6	11/10/14	WG	Temperature	20.1	deg C	CAMO-15-90211
R-15	958.6	11/20/15	WG	Turbidity	2.3	NTU	CAMO-16-106099
R-15	958.6	08/13/15	WG	Turbidity	1.4	NTU	CAMO-15-102575
R-15	958.6	05/04/15	WG	Turbidity	5.3	NTU	CAMO-15-95777
R-15	958.6	02/13/15	WG	Turbidity	1.8	NTU	CAMO-15-92480
R-15	958.6	11/10/14	WG	Turbidity	4	NTU	CAMO-15-90211
R-28	934.3	11/16/15	WG	Dissolved Oxygen	6.75	mg/L	CAMO-16-106100
R-28	934.3	08/12/15	WG	Dissolved Oxygen	6.66	mg/L	CAMO-15-102579
R-28	934.3	05/11/15	WG	Dissolved Oxygen	6.62	mg/L	CAMO-15-95778
R-28	934.3	02/25/15	WG	Dissolved Oxygen	6.84	mg/L	CAMO-15-92481
R-28	934.3	11/13/14	WG	Dissolved Oxygen	6.8	mg/L	CAMO-15-90212
R-28	934.3	11/16/15	WG	Flow (in gpm)	2.56	gpm	CAMO-16-106100
R-28	934.3	08/12/15	WG	Flow (in gpm)	2.6	gpm	CAMO-15-102579
R-28	934.3	05/11/15	WG	Flow (in gpm)	2.54	gpm	CAMO-15-95778
R-28	934.3	02/25/15	WG	Flow (in gpm)	2.5	gpm	CAMO-15-92481
R-28	934.3	11/13/14	WG	Flow (in gpm)	2.34	gpm	CAMO-15-90212
R-28	934.3	11/16/15	WG	Oxidation-Reduction Potential	119.1	mV	CAMO-16-106100
R-28	934.3	08/12/15	WG	Oxidation-Reduction Potential	105.9	mV	CAMO-15-102579
R-28	934.3	05/11/15	WG	Oxidation-Reduction Potential	229.2	mV	CAMO-15-95778
R-28	934.3	02/25/15	WG	Oxidation-Reduction Potential	118.7	mV	CAMO-15-92481

A.9

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-28	934.3	11/13/14	WG	Oxidation-Reduction Potential	190.4	mV	CAMO-15-90212
R-28	934.3	11/16/15	WG	pH	7.59	SU	CAMO-16-106100
R-28	934.3	08/12/15	WG	pH	7.75	SU	CAMO-15-102579
R-28	934.3	05/11/15	WG	pH	7.79	SU	CAMO-15-95778
R-28	934.3	02/25/15	WG	pH	7.77	SU	CAMO-15-92481
R-28	934.3	11/13/14	WG	pH	7.71	SU	CAMO-15-90212
R-28	934.3	11/16/15	WG	Specific Conductance	434	µS/cm	CAMO-16-106100
R-28	934.3	08/12/15	WG	Specific Conductance	433	µS/cm	CAMO-15-102579
R-28	934.3	05/11/15	WG	Specific Conductance	422	µS/cm	CAMO-15-95778
R-28	934.3	02/25/15	WG	Specific Conductance	442	µS/cm	CAMO-15-92481
R-28	934.3	11/13/14	WG	Specific Conductance	434	µS/cm	CAMO-15-90212
R-28	934.3	11/16/15	WG	Temperature	20.08	deg C	CAMO-16-106100
R-28	934.3	08/12/15	WG	Temperature	22.13	deg C	CAMO-15-102579
R-28	934.3	05/11/15	WG	Temperature	21.53	deg C	CAMO-15-95778
R-28	934.3	02/25/15	WG	Temperature	21.06	deg C	CAMO-15-92481
R-28	934.3	11/13/14	WG	Temperature	20.68	deg C	CAMO-15-90212
R-28	934.3	11/16/15	WG	Turbidity	0.6	NTU	CAMO-16-106100
R-28	934.3	08/12/15	WG	Turbidity	0.4	NTU	CAMO-15-102579
R-28	934.3	05/11/15	WG	Turbidity	0.38	NTU	CAMO-15-95778
R-28	934.3	02/25/15	WG	Turbidity	1.21	NTU	CAMO-15-92481
R-28	934.3	11/13/14	WG	Turbidity	0.63	NTU	CAMO-15-90212
R-33 S1	995.5	11/12/15	WG	Dissolved Oxygen	5.31	mg/L	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Dissolved Oxygen	5.35	mg/L	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	Dissolved Oxygen	5.23	mg/L	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	Dissolved Oxygen	5.12	mg/L	CAMO-15-92676
R-33 S1	995.5	11/06/14	WG	Dissolved Oxygen	5.13	mg/L	CAMO-15-90213
R-33 S1	995.5	11/12/15	WG	Flow (in gpm)	3.15	gpm	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Flow (in gpm)	0.6	gpm	CAMO-15-102580

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-33 S1	995.5	05/12/15	WG	Flow (in gpm)	2.86	gpm	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	Flow (in gpm)	3.26	gpm	CAMO-15-92676
R-33 S1	995.5	11/06/14	WG	Flow (in gpm)	3.13	gpm	CAMO-15-90213
R-33 S1	995.5	11/12/15	WG	Oxidation-Reduction Potential	72.6	mV	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Oxidation-Reduction Potential	102	mV	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	Oxidation-Reduction Potential	101.2	mV	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	Oxidation-Reduction Potential	105.2	mV	CAMO-15-92676
R-33 S1	995.5	11/06/14	WG	Oxidation-Reduction Potential	20.7	mV	CAMO-15-90213
R-33 S1	995.5	11/12/15	WG	pH	7.48	SU	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	pH	7.32	SU	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	pH	7.63	SU	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	pH	7.54	SU	CAMO-15-92676
R-33 S1	995.5	11/06/14	WG	pH	7.24	SU	CAMO-15-90213
R-33 S1	995.5	11/12/15	WG	Specific Conductance	146	µS/cm	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Specific Conductance	147	µS/cm	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	Specific Conductance	144	µS/cm	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	Specific Conductance	145	µS/cm	CAMO-15-92676
R-33 S1	995.5	11/06/14	WG	Specific Conductance	148	µS/cm	CAMO-15-90213
R-33 S1	995.5	11/12/15	WG	Temperature	21.41	deg C	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Temperature	22.76	deg C	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	Temperature	18.54	deg C	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	Temperature	19.74	deg C	CAMO-15-92676
R-33 S1	995.5	11/06/14	WG	Temperature	21.11	deg C	CAMO-15-90213
R-33 S1	995.5	11/12/15	WG	Turbidity	0.62	NTU	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Turbidity	0.6	NTU	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	Turbidity	0.51	NTU	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	Turbidity	0.79	NTU	CAMO-15-92676
R-33 S1	995.5	11/06/14	WG	Turbidity	0.87	NTU	CAMO-15-90213

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-33 S2	1112.4	11/12/15	WG	Dissolved Oxygen	6.61	mg/L	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	Dissolved Oxygen	6.55	mg/L	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Dissolved Oxygen	6.62	mg/L	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	Dissolved Oxygen	6.56	mg/L	CAMO-15-92677
R-33 S2	1112.4	11/06/14	WG	Dissolved Oxygen	6.59	mg/L	CAMO-15-90214
R-33 S2	1112.4	11/12/15	WG	Flow (in gpm)	2.9	gpm	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	Flow (in gpm)	2.8	gpm	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Flow (in gpm)	2.86	gpm	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	Flow (in gpm)	2.8	gpm	CAMO-15-92677
R-33 S2	1112.4	11/06/14	WG	Flow (in gpm)	2.91	gpm	CAMO-15-90214
R-33 S2	1112.4	11/12/15	WG	Oxidation-Reduction Potential	78.1	mV	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	Oxidation-Reduction Potential	104.2	mV	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Oxidation-Reduction Potential	139.1	mV	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	Oxidation-Reduction Potential	93.5	mV	CAMO-15-92677
R-33 S2	1112.4	11/06/14	WG	Oxidation-Reduction Potential	101.6	mV	CAMO-15-90214
R-33 S2	1112.4	11/12/15	WG	pH	7.61	SU	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	pH	7.4	SU	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	pH	7.78	SU	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	pH	7.67	SU	CAMO-15-92677
R-33 S2	1112.4	11/06/14	WG	pH	7.49	SU	CAMO-15-90214
R-33 S2	1112.4	11/12/15	WG	Specific Conductance	142	µS/cm	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	Specific Conductance	144	µS/cm	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Specific Conductance	141	µS/cm	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	Specific Conductance	142	µS/cm	CAMO-15-92677
R-33 S2	1112.4	11/06/14	WG	Specific Conductance	144	µS/cm	CAMO-15-90214
R-33 S2	1112.4	11/12/15	WG	Temperature	21.52	deg C	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	Temperature	22.38	deg C	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Temperature	21.14	deg C	CAMO-15-95780

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-33 S2	1112.4	02/26/15	WG	Temperature	20.06	deg C	CAMO-15-92677
R-33 S2	1112.4	11/06/14	WG	Temperature	21.34	deg C	CAMO-15-90214
R-33 S2	1112.4	11/12/15	WG	Turbidity	0.66	NTU	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	Turbidity	0.7	NTU	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Turbidity	1.05	NTU	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	Turbidity	0.82	NTU	CAMO-15-92677
R-33 S2	1112.4	11/06/14	WG	Turbidity	0.57	NTU	CAMO-15-90214
R-35a	1013.1	11/09/15	WG	Dissolved Oxygen	5.13	mg/L	CASA-16-106241
R-35a	1013.1	08/10/15	WG	Dissolved Oxygen	4.76	mg/L	CASA-15-102636
R-35a	1013.1	05/06/15	WG	Dissolved Oxygen	4.56	mg/L	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Dissolved Oxygen	4.62	mg/L	CASA-15-92512
R-35a	1013.1	11/10/14	WG	Dissolved Oxygen	4.76	mg/L	CASA-15-90250
R-35a	1013.1	11/09/15	WG	Flow (in gpm)	3.85	gpm	CASA-16-106241
R-35a	1013.1	08/10/15	WG	Flow (in gpm)	4	gpm	CASA-15-102636
R-35a	1013.1	05/06/15	WG	Flow (in gpm)	3.75	gpm	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Flow (in gpm)	3.9	gpm	CASA-15-92512
R-35a	1013.1	11/10/14	WG	Flow (in gpm)	3.85	gpm	CASA-15-90250
R-35a	1013.1	11/09/15	WG	Oxidation-Reduction Potential	108.9	mV	CASA-16-106241
R-35a	1013.1	08/10/15	WG	Oxidation-Reduction Potential	117	mV	CASA-15-102636
R-35a	1013.1	05/06/15	WG	Oxidation-Reduction Potential	229.6	mV	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Oxidation-Reduction Potential	39	mV	CASA-15-92512
R-35a	1013.1	11/10/14	WG	Oxidation-Reduction Potential	142.3	mV	CASA-15-90250
R-35a	1013.1	11/09/15	WG	pH	8.01	SU	CASA-16-106241
R-35a	1013.1	08/10/15	WG	pH	7.91	SU	CASA-15-102636
R-35a	1013.1	05/06/15	WG	pH	8.09	SU	CASA-15-95819
R-35a	1013.1	02/25/15	WG	pH	8.07	SU	CASA-15-92512
R-35a	1013.1	11/10/14	WG	pH	7.96	SU	CASA-15-90250
R-35a	1013.1	11/09/15	WG	Specific Conductance	245	µS/cm	CASA-16-106241

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35a	1013.1	08/10/15	WG	Specific Conductance	271	µS/cm	CASA-15-102636
R-35a	1013.1	05/06/15	WG	Specific Conductance	246	µS/cm	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Specific Conductance	244	µS/cm	CASA-15-92512
R-35a	1013.1	11/10/14	WG	Specific Conductance	246	µS/cm	CASA-15-90250
R-35a	1013.1	11/09/15	WG	Temperature	23.9	deg C	CASA-16-106241
R-35a	1013.1	08/10/15	WG	Temperature	24.95	deg C	CASA-15-102636
R-35a	1013.1	05/06/15	WG	Temperature	23.9	deg C	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Temperature	24.05	deg C	CASA-15-92512
R-35a	1013.1	11/10/14	WG	Temperature	24.24	deg C	CASA-15-90250
R-35a	1013.1	11/09/15	WG	Turbidity	0.2	NTU	CASA-16-106241
R-35a	1013.1	08/10/15	WG	Turbidity	0.5	NTU	CASA-15-102636
R-35a	1013.1	05/06/15	WG	Turbidity	0.7	NTU	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Turbidity	1.08	NTU	CASA-15-92512
R-35a	1013.1	11/10/14	WG	Turbidity	1.4	NTU	CASA-15-90250
R-35b	825.4	11/06/15	WG	Dissolved Oxygen	6.18	mg/L	CASA-16-106242
R-35b	825.4	08/04/15	WG	Dissolved Oxygen	6.11	mg/L	CASA-15-102637
R-35b	825.4	05/05/15	WG	Dissolved Oxygen	5.96	mg/L	CASA-15-95820
R-35b	825.4	02/20/15	WG	Dissolved Oxygen	6.33	mg/L	CASA-15-92513
R-35b	825.4	11/06/14	WG	Dissolved Oxygen	6.04	mg/L	CASA-15-90251
R-35b	825.4	11/06/15	WG	Flow (in gpm)	3.09	gpm	CASA-16-106242
R-35b	825.4	08/04/15	WG	Flow (in gpm)	2.88	gpm	CASA-15-102637
R-35b	825.4	05/05/15	WG	Flow (in gpm)	2.91	gpm	CASA-15-95820
R-35b	825.4	02/20/15	WG	Flow (in gpm)	3.16	gpm	CASA-15-92513
R-35b	825.4	11/06/14	WG	Flow (in gpm)	3.06	gpm	CASA-15-90251
R-35b	825.4	11/06/15	WG	Oxidation-Reduction Potential	108.6	mV	CASA-16-106242
R-35b	825.4	08/04/15	WG	Oxidation-Reduction Potential	136.2	mV	CASA-15-102637
R-35b	825.4	05/05/15	WG	Oxidation-Reduction Potential	5.96	mV	CASA-15-95820
R-35b	825.4	02/20/15	WG	Oxidation-Reduction Potential	32.2	mV	CASA-15-92513

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35b	825.4	11/06/14	WG	Oxidation-Reduction Potential	142.6	mV	CASA-15-90251
R-35b	825.4	11/06/15	WG	pH	7.56	SU	CASA-16-106242
R-35b	825.4	08/04/15	WG	pH	7.62	SU	CASA-15-102637
R-35b	825.4	05/05/15	WG	pH	7.55	SU	CASA-15-95820
R-35b	825.4	02/20/15	WG	pH	7.47	SU	CASA-15-92513
R-35b	825.4	11/06/14	WG	pH	7.59	SU	CASA-15-90251
R-35b	825.4	11/06/15	WG	Specific Conductance	172	µS/cm	CASA-16-106242
R-35b	825.4	08/04/15	WG	Specific Conductance	173	µS/cm	CASA-15-102637
R-35b	825.4	05/05/15	WG	Specific Conductance	172	µS/cm	CASA-15-95820
R-35b	825.4	02/20/15	WG	Specific Conductance	170	µS/cm	CASA-15-92513
R-35b	825.4	11/06/14	WG	Specific Conductance	174	µS/cm	CASA-15-90251
R-35b	825.4	11/06/15	WG	Temperature	20.55	deg C	CASA-16-106242
R-35b	825.4	08/04/15	WG	Temperature	22.59	deg C	CASA-15-102637
R-35b	825.4	05/05/15	WG	Temperature	20.73	deg C	CASA-15-95820
R-35b	825.4	02/20/15	WG	Temperature	21.27	deg C	CASA-15-92513
R-35b	825.4	11/06/14	WG	Temperature	21.71	deg C	CASA-15-90251
R-35b	825.4	11/06/15	WG	Turbidity	0.5	NTU	CASA-16-106242
R-35b	825.4	08/04/15	WG	Turbidity	0.5	NTU	CASA-15-102637
R-35b	825.4	05/05/15	WG	Turbidity	0.41	NTU	CASA-15-95820
R-35b	825.4	02/20/15	WG	Turbidity	6.2	NTU	CASA-15-92513
R-35b	825.4	11/06/14	WG	Turbidity	0.39	NTU	CASA-15-90251
R-36	766.9	11/17/15	WG	Dissolved Oxygen	5.7	mg/L	CASA-16-106243
R-36	766.9	08/07/15	WG	Dissolved Oxygen	5.74	mg/L	CASA-15-102638
R-36	766.9	05/05/15	WG	Dissolved Oxygen	5.61	mg/L	CASA-15-95821
R-36	766.9	02/12/15	WG	Dissolved Oxygen	5.74	mg/L	CASA-15-92514
R-36	766.9	11/06/14	WG	Dissolved Oxygen	5.81	mg/L	CASA-15-90252
R-36	766.9	11/17/15	WG	Flow (in gpm)	3.45	gpm	CASA-16-106243
R-36	766.9	08/07/15	WG	Flow (in gpm)	3.37	gpm	CASA-15-102638

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-36	766.9	05/05/15	WG	Flow (in gpm)	3.33	gpm	CASA-15-95821
R-36	766.9	02/12/15	WG	Flow (in gpm)	3.33	gpm	CASA-15-92514
R-36	766.9	11/06/14	WG	Flow (in gpm)	3.33	gpm	CASA-15-90252
R-36	766.9	11/17/15	WG	Oxidation-Reduction Potential	103.8	mV	CASA-16-106243
R-36	766.9	08/07/15	WG	Oxidation-Reduction Potential	161	mV	CASA-15-102638
R-36	766.9	05/05/15	WG	Oxidation-Reduction Potential	214.1	mV	CASA-15-95821
R-36	766.9	02/12/15	WG	Oxidation-Reduction Potential	145	mV	CASA-15-92514
R-36	766.9	11/06/14	WG	Oxidation-Reduction Potential	110.4	mV	CASA-15-90252
R-36	766.9	11/17/15	WG	pH	7.21	SU	CASA-16-106243
R-36	766.9	08/07/15	WG	pH	7.14	SU	CASA-15-102638
R-36	766.9	05/05/15	WG	pH	7.28	SU	CASA-15-95821
R-36	766.9	02/12/15	WG	pH	7.19	SU	CASA-15-92514
R-36	766.9	11/06/14	WG	pH	7.23	SU	CASA-15-90252
R-36	766.9	11/17/15	WG	Specific Conductance	194	µS/cm	CASA-16-106243
R-36	766.9	08/07/15	WG	Specific Conductance	196	µS/cm	CASA-15-102638
R-36	766.9	05/05/15	WG	Specific Conductance	194	µS/cm	CASA-15-95821
R-36	766.9	02/12/15	WG	Specific Conductance	193	µS/cm	CASA-15-92514
R-36	766.9	11/06/14	WG	Specific Conductance	197	µS/cm	CASA-15-90252
R-36	766.9	11/17/15	WG	Temperature	19.23	deg C	CASA-16-106243
R-36	766.9	08/07/15	WG	Temperature	21.09	deg C	CASA-15-102638
R-36	766.9	05/05/15	WG	Temperature	20.23	deg C	CASA-15-95821
R-36	766.9	02/12/15	WG	Temperature	20.12	deg C	CASA-15-92514
R-36	766.9	11/06/14	WG	Temperature	20.88	deg C	CASA-15-90252
R-36	766.9	11/17/15	WG	Turbidity	0.1	NTU	CASA-16-106243
R-36	766.9	08/07/15	WG	Turbidity	0.85	NTU	CASA-15-102638
R-36	766.9	05/05/15	WG	Turbidity	0.37	NTU	CASA-15-95821
R-36	766.9	02/12/15	WG	Turbidity	1.07	NTU	CASA-15-92514
R-36	766.9	11/06/14	WG	Turbidity	0.6	NTU	CASA-15-90252

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-42	931.8	11/16/15	WG	Dissolved Oxygen	7.09	mg/L	CAMO-16-106104
R-42	931.8	08/12/15	WG	Dissolved Oxygen	7	mg/L	CAMO-15-102583
R-42	931.8	05/08/15	WG	Dissolved Oxygen	7.01	mg/L	CAMO-15-95782
R-42	931.8	02/26/15	WG	Dissolved Oxygen	7.06	mg/L	CAMO-15-92484
R-42	931.8	11/14/14	WG	Dissolved Oxygen	7.13	mg/L	CAMO-15-90215
R-42	931.8	11/16/15	WG	Flow (in gpm)	3	gpm	CAMO-16-106104
R-42	931.8	08/12/15	WG	Flow (in gpm)	3.06	gpm	CAMO-15-102583
R-42	931.8	05/08/15	WG	Flow (in gpm)	2.85	gpm	CAMO-15-95782
R-42	931.8	02/26/15	WG	Flow (in gpm)	2.65	gpm	CAMO-15-92484
R-42	931.8	11/14/14	WG	Flow (in gpm)	3.03	gpm	CAMO-15-90215
R-42	931.8	11/16/15	WG	Oxidation-Reduction Potential	124	mV	CAMO-16-106104
R-42	931.8	08/12/15	WG	Oxidation-Reduction Potential	165.2	mV	CAMO-15-102583
R-42	931.8	05/08/15	WG	Oxidation-Reduction Potential	171.9	mV	CAMO-15-95782
R-42	931.8	02/26/15	WG	Oxidation-Reduction Potential	76.1	mV	CAMO-15-92484
R-42	931.8	11/14/14	WG	Oxidation-Reduction Potential	177.1	mV	CAMO-15-90215
R-42	931.8	11/16/15	WG	pH	7.43	SU	CAMO-16-106104
R-42	931.8	08/12/15	WG	pH	7.43	SU	CAMO-15-102583
R-42	931.8	05/08/15	WG	pH	7.49	SU	CAMO-15-95782
R-42	931.8	02/26/15	WG	pH	7.49	SU	CAMO-15-92484
R-42	931.8	11/14/14	WG	pH	7.85	SU	CAMO-15-90215
R-42	931.8	11/16/15	WG	Specific Conductance	518	µS/cm	CAMO-16-106104
R-42	931.8	08/12/15	WG	Specific Conductance	519	µS/cm	CAMO-15-102583
R-42	931.8	05/08/15	WG	Specific Conductance	514	µS/cm	CAMO-15-95782
R-42	931.8	02/26/15	WG	Specific Conductance	499	µS/cm	CAMO-15-92484
R-42	931.8	11/14/14	WG	Specific Conductance	541	µS/cm	CAMO-15-90215
R-42	931.8	11/16/15	WG	Temperature	18.64	deg C	CAMO-16-106104
R-42	931.8	08/12/15	WG	Temperature	20.73	deg C	CAMO-15-102583
R-42	931.8	05/08/15	WG	Temperature	20.53	deg C	CAMO-15-95782

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-42	931.8	02/26/15	WG	Temperature	19.21	deg C	CAMO-15-92484
R-42	931.8	11/14/14	WG	Temperature	20.66	deg C	CAMO-15-90215
R-42	931.8	11/16/15	WG	Turbidity	0.9	NTU	CAMO-16-106104
R-42	931.8	08/12/15	WG	Turbidity	0.7	NTU	CAMO-15-102583
R-42	931.8	05/08/15	WG	Turbidity	1.2	NTU	CAMO-15-95782
R-42	931.8	02/26/15	WG	Turbidity	1.56	NTU	CAMO-15-92484
R-42	931.8	11/14/14	WG	Turbidity	1.3	NTU	CAMO-15-90215
R-43 S1	903.9	11/18/15	WG	Dissolved Oxygen	6.96	mg/L	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	Dissolved Oxygen	6.83	mg/L	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	Dissolved Oxygen	6.98	mg/L	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Dissolved Oxygen	7.04	mg/L	CASA-15-92515
R-43 S1	903.9	11/21/14	WG	Dissolved Oxygen	6.98	mg/L	CASA-15-90253
R-43 S1	903.9	11/18/15	WG	Flow (in gpm)	1.52	gpm	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	Flow (in gpm)	1.54	gpm	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	Flow (in gpm)	1.54	gpm	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Flow (in gpm)	1.67	gpm	CASA-15-92515
R-43 S1	903.9	11/21/14	WG	Flow (in gpm)	1.54	gpm	CASA-15-90253
R-43 S1	903.9	11/18/15	WG	Oxidation-Reduction Potential	151.6	mV	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	Oxidation-Reduction Potential	121.3	mV	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	Oxidation-Reduction Potential	111.6	mV	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Oxidation-Reduction Potential	124.9	mV	CASA-15-92515
R-43 S1	903.9	11/21/14	WG	Oxidation-Reduction Potential	177.1	mV	CASA-15-90253
R-43 S1	903.9	11/18/15	WG	pH	8.09	SU	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	pH	7.95	SU	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	pH	8.19	SU	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	pH	8.21	SU	CASA-15-92515
R-43 S1	903.9	11/21/14	WG	pH	8.05	SU	CASA-15-90253
R-43 S1	903.9	11/18/15	WG	Specific Conductance	195	µS/cm	CASA-16-106244

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S1	903.9	08/19/15	WG	Specific Conductance	214	µS/cm	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	Specific Conductance	193	µS/cm	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Specific Conductance	192	µS/cm	CASA-15-92515
R-43 S1	903.9	11/21/14	WG	Specific Conductance	188	µS/cm	CASA-15-90253
R-43 S1	903.9	11/18/15	WG	Temperature	19.51	deg C	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	Temperature	21.62	deg C	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	Temperature	20.07	deg C	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Temperature	19.75	deg C	CASA-15-92515
R-43 S1	903.9	11/21/14	WG	Temperature	20.72	deg C	CASA-15-90253
R-43 S1	903.9	11/18/15	WG	Turbidity	0	NTU	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	Turbidity	0	NTU	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	Turbidity	0.84	NTU	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Turbidity	0.69	NTU	CASA-15-92515
R-43 S1	903.9	11/21/14	WG	Turbidity	0.18	NTU	CASA-15-90253
R-43 S2	969.1	11/18/15	WG	Dissolved Oxygen	3.41	mg/L	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Dissolved Oxygen	4.26	mg/L	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	Dissolved Oxygen	5.26	mg/L	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Dissolved Oxygen	5.5	mg/L	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	Dissolved Oxygen	5.71	mg/L	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Dissolved Oxygen	3.27	mg/L	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	Dissolved Oxygen	3.27	mg/L	CASA-15-92516
R-43 S2	969.1	11/21/14	WG	Dissolved Oxygen	5.97	mg/L	CASA-15-90254
R-43 S2	969.1	11/18/15	WG	Flow (in gpm)	1.57	gpm	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Flow (in gpm)	1.52	gpm	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	Flow (in gpm)	1.52	gpm	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Flow (in gpm)	1.52	gpm	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	Flow (in gpm)	1.52	gpm	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Flow (in gpm)	1.53	gpm	CASA-15-95832

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	03/02/15	WG	Flow (in gpm)	1.67	gpm	CASA-15-92516
R-43 S2	969.1	11/21/14	WG	Flow (in gpm)	1.48	gpm	CASA-15-90254
R-43 S2	969.1	11/18/15	WG	Oxidation-Reduction Potential	153.1	mV	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Oxidation-Reduction Potential	125.4	mV	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	Oxidation-Reduction Potential	124.8	mV	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Oxidation-Reduction Potential	122.8	mV	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	Oxidation-Reduction Potential	131.5	mV	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Oxidation-Reduction Potential	112.4	mV	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	Oxidation-Reduction Potential	107.3	mV	CASA-15-92516
R-43 S2	969.1	11/21/14	WG	Oxidation-Reduction Potential	165	mV	CASA-15-90254
R-43 S2	969.1	11/18/15	WG	pH	8.5	SU	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	pH	8.46	SU	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	pH	8.38	SU	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	pH	8.36	SU	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	pH	8.31	SU	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	pH	8.65	SU	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	pH	8.63	SU	CASA-15-92516
R-43 S2	969.1	11/21/14	WG	pH	8.29	SU	CASA-15-90254
R-43 S2	969.1	11/18/15	WG	Specific Conductance	199	µS/cm	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Specific Conductance	201	µS/cm	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	Specific Conductance	200	µS/cm	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Specific Conductance	200	µS/cm	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	Specific Conductance	200	µS/cm	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Specific Conductance	198	µS/cm	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	Specific Conductance	199	µS/cm	CASA-15-92516
R-43 S2	969.1	11/21/14	WG	Specific Conductance	201	µS/cm	CASA-15-90254
R-43 S2	969.1	11/18/15	WG	Temperature	18.22	deg C	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Temperature	20.18	deg C	CAMO-15-104020

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	08/18/15	WG	Temperature	21.19	deg C	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Temperature	21.42	deg C	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	Temperature	21.55	deg C	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Temperature	20.52	deg C	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	Temperature	20.29	deg C	CASA-15-92516
R-43 S2	969.1	11/21/14	WG	Temperature	19.8	deg C	CASA-15-90254
R-43 S2	969.1	11/18/15	WG	Turbidity	0.1	NTU	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Turbidity	0.2	NTU	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	Turbidity	0.1	NTU	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Turbidity	0.1	NTU	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	Turbidity	0.1	NTU	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Turbidity	1.33	NTU	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	Turbidity	0.81	NTU	CASA-15-92516
R-43 S2	969.1	11/21/14	WG	Turbidity	0.27	NTU	CASA-15-90254
R-44 S1	895	11/12/15	WG	Dissolved Oxygen	6.91	mg/L	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Dissolved Oxygen	6.84	mg/L	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Dissolved Oxygen	6.7	mg/L	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Dissolved Oxygen	6.73	mg/L	CAMO-15-92485
R-44 S1	895	11/05/14	WG	Dissolved Oxygen	7.08	mg/L	CAMO-15-90216
R-44 S1	895	11/12/15	WG	Flow (in gpm)	3.33	gpm	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Flow (in gpm)	3.33	gpm	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Flow (in gpm)	3.41	gpm	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Flow (in gpm)	3.3	gpm	CAMO-15-92485
R-44 S1	895	11/05/14	WG	Flow (in gpm)	3.3	gpm	CAMO-15-90216
R-44 S1	895	11/12/15	WG	Oxidation-Reduction Potential	104.3	mV	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Oxidation-Reduction Potential	156.6	mV	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Oxidation-Reduction Potential	182.9	mV	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Oxidation-Reduction Potential	152.1	mV	CAMO-15-92485

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44 S1	895	11/05/14	WG	Oxidation-Reduction Potential	114.9	mV	CAMO-15-90216
R-44 S1	895	11/12/15	WG	pH	7.6	SU	CAMO-16-106105
R-44 S1	895	08/06/15	WG	pH	7.77	SU	CAMO-15-103604
R-44 S1	895	05/06/15	WG	pH	7.72	SU	CAMO-15-95783
R-44 S1	895	02/17/15	WG	pH	7.76	SU	CAMO-15-92485
R-44 S1	895	11/05/14	WG	pH	7.79	SU	CAMO-15-90216
R-44 S1	895	11/12/15	WG	Specific Conductance	136	µS/cm	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Specific Conductance	138	µS/cm	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Specific Conductance	136	µS/cm	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Specific Conductance	136	µS/cm	CAMO-15-92485
R-44 S1	895	11/05/14	WG	Specific Conductance	136	µS/cm	CAMO-15-90216
R-44 S1	895	11/12/15	WG	Temperature	19.66	deg C	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Temperature	21	deg C	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Temperature	20.59	deg C	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Temperature	19.63	deg C	CAMO-15-92485
R-44 S1	895	11/05/14	WG	Temperature	20.58	deg C	CAMO-15-90216
R-44 S1	895	11/12/15	WG	Turbidity	0.6	NTU	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Turbidity	0.4	NTU	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Turbidity	0.8	NTU	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Turbidity	0.67	NTU	CAMO-15-92485
R-44 S1	895	11/05/14	WG	Turbidity	0.28	NTU	CAMO-15-90216
R-44 S2	985.3	11/12/15	WG	Dissolved Oxygen	7.02	mg/L	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Dissolved Oxygen	7.06	mg/L	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	Dissolved Oxygen	7.06	mg/L	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	Dissolved Oxygen	7.17	mg/L	CAMO-15-92502
R-44 S2	985.3	11/05/14	WG	Dissolved Oxygen	7.29	mg/L	CAMO-15-90217
R-44 S2	985.3	11/12/15	WG	Flow (in gpm)	3.33	gpm	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Flow (in gpm)	3.45	gpm	CAMO-15-102585

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44 S2	985.3	05/06/15	WG	Flow (in gpm)	3.33	gpm	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	Flow (in gpm)	3.4	gpm	CAMO-15-92502
R-44 S2	985.3	11/05/14	WG	Flow (in gpm)	3.3	gpm	CAMO-15-90217
R-44 S2	985.3	11/12/15	WG	Oxidation-Reduction Potential	105.7	mV	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Oxidation-Reduction Potential	136.2	mV	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	Oxidation-Reduction Potential	165.5	mV	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	Oxidation-Reduction Potential	164.8	mV	CAMO-15-92502
R-44 S2	985.3	11/05/14	WG	Oxidation-Reduction Potential	133.5	mV	CAMO-15-90217
R-44 S2	985.3	11/12/15	WG	pH	7.78	SU	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	pH	7.85	SU	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	pH	7.8	SU	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	pH	7.86	SU	CAMO-15-92502
R-44 S2	985.3	11/05/14	WG	pH	7.87	SU	CAMO-15-90217
R-44 S2	985.3	11/12/15	WG	Specific Conductance	145	µS/cm	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Specific Conductance	145	µS/cm	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	Specific Conductance	143	µS/cm	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	Specific Conductance	144	µS/cm	CAMO-15-92502
R-44 S2	985.3	11/05/14	WG	Specific Conductance	145	µS/cm	CAMO-15-90217
R-44 S2	985.3	11/12/15	WG	Temperature	19.67	deg C	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Temperature	21.57	deg C	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	Temperature	21.19	deg C	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	Temperature	20.48	deg C	CAMO-15-92502
R-44 S2	985.3	11/05/14	WG	Temperature	20.92	deg C	CAMO-15-90217
R-44 S2	985.3	11/12/15	WG	Turbidity	0.5	NTU	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Turbidity	0.3	NTU	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	Turbidity	0.86	NTU	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	Turbidity	0.6	NTU	CAMO-15-92502
R-44 S2	985.3	11/05/14	WG	Turbidity	0.53	NTU	CAMO-15-90217

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45 S1	880	11/11/15	WG	Dissolved Oxygen	7.22	mg/L	CAMO-16-106107
R-45 S1	880	08/05/15	WG	Dissolved Oxygen	7.04	mg/L	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Dissolved Oxygen	7.08	mg/L	CAMO-15-95785
R-45 S1	880	02/18/15	WG	Dissolved Oxygen	7.1	mg/L	CAMO-15-92487
R-45 S1	880	11/05/14	WG	Dissolved Oxygen	7.1	mg/L	CAMO-15-90218
R-45 S1	880	11/11/15	WG	Flow (in gpm)	3.53	gpm	CAMO-16-106107
R-45 S1	880	08/05/15	WG	Flow (in gpm)	3.5	gpm	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Flow (in gpm)	3.5	gpm	CAMO-15-95785
R-45 S1	880	02/18/15	WG	Flow (in gpm)	3.61	gpm	CAMO-15-92487
R-45 S1	880	11/05/14	WG	Flow (in gpm)	3.53	gpm	CAMO-15-90218
R-45 S1	880	11/11/15	WG	Oxidation-Reduction Potential	164.5	mV	CAMO-16-106107
R-45 S1	880	08/05/15	WG	Oxidation-Reduction Potential	161	mV	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Oxidation-Reduction Potential	213.1	mV	CAMO-15-95785
R-45 S1	880	02/18/15	WG	Oxidation-Reduction Potential	199.5	mV	CAMO-15-92487
R-45 S1	880	11/05/14	WG	Oxidation-Reduction Potential	176.7	mV	CAMO-15-90218
R-45 S1	880	11/11/15	WG	pH	7.76	SU	CAMO-16-106107
R-45 S1	880	08/05/15	WG	pH	7.69	SU	CAMO-15-102586
R-45 S1	880	05/04/15	WG	pH	7.85	SU	CAMO-15-95785
R-45 S1	880	02/18/15	WG	pH	7.75	SU	CAMO-15-92487
R-45 S1	880	11/05/14	WG	pH	7.61	SU	CAMO-15-90218
R-45 S1	880	11/11/15	WG	Specific Conductance	184	µS/cm	CAMO-16-106107
R-45 S1	880	08/05/15	WG	Specific Conductance	188	µS/cm	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Specific Conductance	187	µS/cm	CAMO-15-95785
R-45 S1	880	02/18/15	WG	Specific Conductance	185	µS/cm	CAMO-15-92487
R-45 S1	880	11/05/14	WG	Specific Conductance	189	µS/cm	CAMO-15-90218
R-45 S1	880	11/11/15	WG	Temperature	19.77	deg C	CAMO-16-106107
R-45 S1	880	08/05/15	WG	Temperature	20.98	deg C	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Temperature	20.86	deg C	CAMO-15-95785

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45 S1	880	02/18/15	WG	Temperature	20.58	deg C	CAMO-15-92487
R-45 S1	880	11/05/14	WG	Temperature	19.94	deg C	CAMO-15-90218
R-45 S1	880	11/11/15	WG	Turbidity	0.3	NTU	CAMO-16-106107
R-45 S1	880	08/05/15	WG	Turbidity	1.03	NTU	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Turbidity	0.21	NTU	CAMO-15-95785
R-45 S1	880	02/18/15	WG	Turbidity	0.61	NTU	CAMO-15-92487
R-45 S1	880	11/05/14	WG	Turbidity	0.31	NTU	CAMO-15-90218
R-45 S2	974.9	11/11/15	WG	Dissolved Oxygen	6.2	mg/L	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	Dissolved Oxygen	6.22	mg/L	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	Dissolved Oxygen	6.14	mg/L	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Dissolved Oxygen	6.09	mg/L	CAMO-15-92488
R-45 S2	974.9	11/05/14	WG	Dissolved Oxygen	6.48	mg/L	CAMO-15-90219
R-45 S2	974.9	11/11/15	WG	Flow (in gpm)	3.09	gpm	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	Flow (in gpm)	3.5	gpm	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	Flow (in gpm)	3.3	gpm	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Flow (in gpm)	3.52	gpm	CAMO-15-92488
R-45 S2	974.9	11/05/14	WG	Flow (in gpm)	3.57	gpm	CAMO-15-90219
R-45 S2	974.9	11/11/15	WG	Oxidation-Reduction Potential	171.7	mV	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	Oxidation-Reduction Potential	125.4	mV	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	Oxidation-Reduction Potential	243	mV	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Oxidation-Reduction Potential	171.7	mV	CAMO-15-92488
R-45 S2	974.9	11/05/14	WG	Oxidation-Reduction Potential	149.6	mV	CAMO-15-90219
R-45 S2	974.9	11/11/15	WG	pH	8.03	SU	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	pH	8.18	SU	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	pH	8.3	SU	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	pH	8.23	SU	CAMO-15-92488
R-45 S2	974.9	11/05/14	WG	pH	7.92	SU	CAMO-15-90219
R-45 S2	974.9	11/11/15	WG	Specific Conductance	171	µS/cm	CAMO-16-106108

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45 S2	974.9	08/05/15	WG	Specific Conductance	175	µS/cm	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	Specific Conductance	174	µS/cm	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Specific Conductance	173	µS/cm	CAMO-15-92488
R-45 S2	974.9	11/05/14	WG	Specific Conductance	176	µS/cm	CAMO-15-90219
R-45 S2	974.9	11/11/15	WG	Temperature	19.78	deg C	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	Temperature	22.12	deg C	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	Temperature	21.04	deg C	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Temperature	21.27	deg C	CAMO-15-92488
R-45 S2	974.9	11/05/14	WG	Temperature	21.02	deg C	CAMO-15-90219
R-45 S2	974.9	11/11/15	WG	Turbidity	0.1	NTU	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	Turbidity	0.86	NTU	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	Turbidity	0.24	NTU	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Turbidity	0.65	NTU	CAMO-15-92488
R-45 S2	974.9	11/05/14	WG	Turbidity	0.29	NTU	CAMO-15-90219
R-50 S1	1077	11/09/15	WG	Dissolved Oxygen	6.03	mg/L	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Dissolved Oxygen	5.52	mg/L	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Dissolved Oxygen	5.53	mg/L	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Dissolved Oxygen	6.04	mg/L	CAMO-15-92489
R-50 S1	1077	11/14/14	WG	Dissolved Oxygen	6.45	mg/L	CAMO-15-90220
R-50 S1	1077	11/09/15	WG	Flow (in gpm)	2.61	gpm	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Flow (in gpm)	2.56	gpm	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Flow (in gpm)	2.27	gpm	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Flow (in gpm)	2.65	gpm	CAMO-15-92489
R-50 S1	1077	11/14/14	WG	Flow (in gpm)	2.5	gpm	CAMO-15-90220
R-50 S1	1077	11/09/15	WG	Oxidation-Reduction Potential	23.4	mV	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Oxidation-Reduction Potential	58.9	mV	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Oxidation-Reduction Potential	238.4	mV	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Oxidation-Reduction Potential	76.7	mV	CAMO-15-92489

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S1	1077	11/14/14	WG	Oxidation-Reduction Potential	193.2	mV	CAMO-15-90220
R-50 S1	1077	11/09/15	WG	pH	7.65	SU	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	pH	7.79	SU	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	pH	7.98	SU	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	pH	7.85	SU	CAMO-15-92489
R-50 S1	1077	11/14/14	WG	pH	7.67	SU	CAMO-15-90220
R-50 S1	1077	11/09/15	WG	Specific Conductance	182	µS/cm	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Specific Conductance	199	µS/cm	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Specific Conductance	195	µS/cm	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Specific Conductance	186	µS/cm	CAMO-15-92489
R-50 S1	1077	11/14/14	WG	Specific Conductance	169	µS/cm	CAMO-15-90220
R-50 S1	1077	11/09/15	WG	Temperature	19.76	deg C	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Temperature	21.9	deg C	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Temperature	20.18	deg C	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Temperature	19.16	deg C	CAMO-15-92489
R-50 S1	1077	11/14/14	WG	Temperature	20.41	deg C	CAMO-15-90220
R-50 S1	1077	11/09/15	WG	Turbidity	0.6	NTU	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Turbidity	0.7	NTU	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Turbidity	0.55	NTU	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Turbidity	0.42	NTU	CAMO-15-92489
R-50 S1	1077	11/14/14	WG	Turbidity	0.2	NTU	CAMO-15-90220
R-50 S2	1185	11/09/15	WG	Dissolved Oxygen	7.46	mg/L	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Dissolved Oxygen	8.12	mg/L	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	Dissolved Oxygen	8.18	mg/L	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	Dissolved Oxygen	7.73	mg/L	CAMO-15-92490
R-50 S2	1185	11/13/14	WG	Dissolved Oxygen	7.43	mg/L	CAMO-15-90221
R-50 S2	1185	11/09/15	WG	Flow (in gpm)	1.79	gpm	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Flow (in gpm)	1.69	gpm	CAMO-15-102589

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S2	1185	05/11/15	WG	Flow (in gpm)	1.27	gpm	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	Flow (in gpm)	1.47	gpm	CAMO-15-92490
R-50 S2	1185	11/13/14	WG	Flow (in gpm)	1.5	gpm	CAMO-15-90221
R-50 S2	1185	11/09/15	WG	Oxidation-Reduction Potential	76.2	mV	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Oxidation-Reduction Potential	70.8	mV	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	Oxidation-Reduction Potential	121.3	mV	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	Oxidation-Reduction Potential	61.8	mV	CAMO-15-92490
R-50 S2	1185	11/13/14	WG	Oxidation-Reduction Potential	147.7	mV	CAMO-15-90221
R-50 S2	1185	11/09/15	WG	pH	7.9	SU	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	pH	7.81	SU	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	pH	7.97	SU	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	pH	8.03	SU	CAMO-15-92490
R-50 S2	1185	11/13/14	WG	pH	8.13	SU	CAMO-15-90221
R-50 S2	1185	11/09/15	WG	Specific Conductance	134	µS/cm	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Specific Conductance	136	µS/cm	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	Specific Conductance	137	µS/cm	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	Specific Conductance	131	µS/cm	CAMO-15-92490
R-50 S2	1185	11/13/14	WG	Specific Conductance	141	µS/cm	CAMO-15-90221
R-50 S2	1185	11/09/15	WG	Temperature	20.28	deg C	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Temperature	21.68	deg C	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	Temperature	21.41	deg C	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	Temperature	18.65	deg C	CAMO-15-92490
R-50 S2	1185	11/13/14	WG	Temperature	19.57	deg C	CAMO-15-90221
R-50 S2	1185	11/09/15	WG	Turbidity	2.3	NTU	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Turbidity	16	NTU	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	Turbidity	1.51	NTU	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	Turbidity	0.88	NTU	CAMO-15-92490
R-50 S2	1185	11/13/14	WG	Turbidity	0.49	NTU	CAMO-15-90221

A-28

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-62	1158.4	11/19/15	WG	Dissolved Oxygen	6.41	mg/L	CAMO-16-106114
R-62	1158.4	08/13/15	WG	Dissolved Oxygen	6.07	mg/L	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Dissolved Oxygen	6.56	mg/L	CAMO-15-95792
R-62	1158.4	02/24/15	WG	Dissolved Oxygen	6.76	mg/L	CAMO-15-92492
R-62	1158.4	11/17/14	WG	Dissolved Oxygen	6.41	mg/L	CAMO-15-90223
R-62	1158.4	11/19/15	WG	Flow (in gpm)	1.78	gpm	CAMO-16-106114
R-62	1158.4	08/13/15	WG	Flow (in gpm)	1.9	gpm	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Flow (in gpm)	1.8	gpm	CAMO-15-95792
R-62	1158.4	02/24/15	WG	Flow (in gpm)	1.6	gpm	CAMO-15-92492
R-62	1158.4	11/17/14	WG	Flow (in gpm)	1.1	gpm	CAMO-15-90223
R-62	1158.4	11/19/15	WG	Oxidation-Reduction Potential	97.4	mV	CAMO-16-106114
R-62	1158.4	08/13/15	WG	Oxidation-Reduction Potential	98.2	mV	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Oxidation-Reduction Potential	66.2	mV	CAMO-15-95792
R-62	1158.4	02/24/15	WG	Oxidation-Reduction Potential	21.2	mV	CAMO-15-92492
R-62	1158.4	11/17/14	WG	Oxidation-Reduction Potential	65.1	mV	CAMO-15-90223
R-62	1158.4	11/19/15	WG	pH	8.49	SU	CAMO-16-106114
R-62	1158.4	08/13/15	WG	pH	8.4	SU	CAMO-15-102591
R-62	1158.4	05/12/15	WG	pH	8.39	SU	CAMO-15-95792
R-62	1158.4	02/24/15	WG	pH	8.42	SU	CAMO-15-92492
R-62	1158.4	11/17/14	WG	pH	8.49	SU	CAMO-15-90223
R-62	1158.4	11/19/15	WG	Specific Conductance	204	µS/cm	CAMO-16-106114
R-62	1158.4	08/13/15	WG	Specific Conductance	191	µS/cm	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Specific Conductance	194	µS/cm	CAMO-15-95792
R-62	1158.4	02/24/15	WG	Specific Conductance	196	µS/cm	CAMO-15-92492
R-62	1158.4	11/17/14	WG	Specific Conductance	205	µS/cm	CAMO-15-90223
R-62	1158.4	11/19/15	WG	Temperature	17.74	deg C	CAMO-16-106114
R-62	1158.4	08/13/15	WG	Temperature	20.16	deg C	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Temperature	19.12	deg C	CAMO-15-95792

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-62	1158.4	02/24/15	WG	Temperature	19.03	deg C	CAMO-15-92492
R-62	1158.4	11/17/14	WG	Temperature	19.55	deg C	CAMO-15-90223
R-62	1158.4	11/19/15	WG	Turbidity	0.5	NTU	CAMO-16-106114
R-62	1158.4	08/13/15	WG	Turbidity	0.76	NTU	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Turbidity	0.92	NTU	CAMO-15-95792
R-62	1158.4	02/24/15	WG	Turbidity	0.37	NTU	CAMO-15-92492
R-62	1158.4	11/17/14	WG	Turbidity	1.8	NTU	CAMO-15-90223
SCI-2	548	11/13/15	WG	Dissolved Oxygen	8.44	mg/L	CASA-16-106248
SCI-2	548	08/10/15	WG	Dissolved Oxygen	8.21	mg/L	CASA-15-102643
SCI-2	548	05/07/15	WG	Dissolved Oxygen	8.25	mg/L	CASA-15-95825
SCI-2	548	02/19/15	WG	Dissolved Oxygen	8.48	mg/L	CASA-15-92517
SCI-2	548	11/12/14	WG	Dissolved Oxygen	8.2	mg/L	CASA-15-90256
SCI-2	548	11/13/15	WG	Flow (in gpm)	0.85	gpm	CASA-16-106248
SCI-2	548	08/10/15	WG	Flow (in gpm)	0.71	gpm	CASA-15-102643
SCI-2	548	05/07/15	WG	Flow (in gpm)	0.79	gpm	CASA-15-95825
SCI-2	548	02/19/15	WG	Flow (in gpm)	0.8	gpm	CASA-15-92517
SCI-2	548	11/12/14	WG	Flow (in gpm)	0.8	gpm	CASA-15-90256
SCI-2	548	11/13/15	WG	Oxidation-Reduction Potential	171.6	mV	CASA-16-106248
SCI-2	548	08/10/15	WG	Oxidation-Reduction Potential	142.5	mV	CASA-15-102643
SCI-2	548	05/07/15	WG	Oxidation-Reduction Potential	218	mV	CASA-15-95825
SCI-2	548	02/19/15	WG	Oxidation-Reduction Potential	117.4	mV	CASA-15-92517
SCI-2	548	11/12/14	WG	Oxidation-Reduction Potential	233.5	mV	CASA-15-90256
SCI-2	548	11/13/15	WG	pH	7.29	SU	CASA-16-106248
SCI-2	548	08/10/15	WG	pH	7.25	SU	CASA-15-102643
SCI-2	548	05/07/15	WG	pH	7.43	SU	CASA-15-95825
SCI-2	548	02/19/15	WG	pH	7.3	SU	CASA-15-92517
SCI-2	548	11/12/14	WG	pH	7.38	SU	CASA-15-90256
SCI-2	548	11/13/15	WG	Specific Conductance	611	µS/cm	CASA-16-106248

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	548	08/10/15	WG	Specific Conductance	615	µS/cm	CASA-15-102643
SCI-2	548	05/07/15	WG	Specific Conductance	621	µS/cm	CASA-15-95825
SCI-2	548	02/19/15	WG	Specific Conductance	604	µS/cm	CASA-15-92517
SCI-2	548	11/12/14	WG	Specific Conductance	615	µS/cm	CASA-15-90256
SCI-2	548	11/13/15	WG	Temperature	13.95	deg C	CASA-16-106248
SCI-2	548	08/10/15	WG	Temperature	14.32	deg C	CASA-15-102643
SCI-2	548	05/07/15	WG	Temperature	14.41	deg C	CASA-15-95825
SCI-2	548	02/19/15	WG	Temperature	13.73	deg C	CASA-15-92517
SCI-2	548	11/12/14	WG	Temperature	14.03	deg C	CASA-15-90256
SCI-2	548	11/13/15	WG	Turbidity	1.9	NTU	CASA-16-106248
SCI-2	548	08/10/15	WG	Turbidity	1.93	NTU	CASA-15-102643
SCI-2	548	05/07/15	WG	Turbidity	0.92	NTU	CASA-15-95825
SCI-2	548	02/19/15	WG	Turbidity	1.3	NTU	CASA-15-92517
SCI-2	548	11/12/14	WG	Turbidity	2.2	NTU	CASA-15-90256
SIMR-2	885	11/24/15	WG	Dissolved Oxygen	8.48	mg/L	CASA-16-106249
SIMR-2	885	10/23/15	WG	Dissolved Oxygen	8	mg/L	CASA-16-106064
SIMR-2	885	11/24/15	WG	Flow (in gpm)	3.61	gpm	CASA-16-106249
SIMR-2	885	10/23/15	WG	Flow (in gpm)	3.7	gpm	CASA-16-106064
SIMR-2	885	11/24/15	WG	Oxidation-Reduction Potential	132.4	mV	CASA-16-106249
SIMR-2	885	10/23/15	WG	Oxidation-Reduction Potential	82.6	mV	CASA-16-106064
SIMR-2	885	11/24/15	WG	pH	7.76	SU	CASA-16-106249
SIMR-2	885	10/23/15	WG	pH	7.67	SU	CASA-16-106064
SIMR-2	885	11/24/15	WG	Specific Conductance	135	µS/cm	CASA-16-106249
SIMR-2	885	10/23/15	WG	Specific Conductance	133	µS/cm	CASA-16-106064

<b>Location</b>	<b>Depth (ft)</b>	<b>Date</b>	<b>Field Matrix</b>	<b>Analyte</b>	<b>Result</b>	<b>Unit</b>	<b>Sample</b>
SIMR-2	885	11/24/15	WG	Temperature	20.31	deg C	CASA-16-106249
SIMR-2	885	10/23/15	WG	Temperature	19.9	deg C	CASA-16-106064
SIMR-2	885	11/24/15	WG	Turbidity	0.3	NTU	CASA-16-106249
SIMR-2	885	10/23/15	WG	Turbidity	4.1	NTU	CASA-16-106064

<sup>a</sup> WG = Groundwater.

<sup>b</sup> gpm = Gallons per minute.

<sup>c</sup> SU = Standard unit.

<sup>d</sup> 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
<b>Miscellaneous</b>	
%	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	Contract 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)**

<b>Acronym, Abbreviation, or Symbol</b>	<b>Description</b>
<b>Miscellaneous (continued)</b>	
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	New Mexico
NMED	New Mexico Environment 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)**

<b>Acronym, Abbreviation, or Symbol</b>	<b>Description</b>
<b>Miscellaneous (continued)</b>	
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
<b>Field Matrix Codes</b>	
W	water
WG	groundwater
WM	snowmelt
WP	persistent flow
WS	base flow
WT	storm runoff
<b>Field Prep Codes</b>	
F	filtered
UF	unfiltered
<b>Lab Sample Type Codes</b>	
CS	client sample
DL	dilution
DUP	duplicate
INIT	initial
RE	reanalysis
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate
<b>Field QC Type Codes</b>	
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)**

<b>Acronym, Abbreviation, or Symbol</b>	<b>Description</b>
<b>Field QC Type Codes (continued)</b>	
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
<b>Analytical Suite Codes</b>	
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
<b>Detect Flag and Best Value Flag Codes</b>	
N	no
Y	yes
<b>Lab Codes</b>	
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)**

<b>Acronym, Abbreviation, or Symbol</b>	<b>Description</b>
<b>Lab Codes (continued)</b>	
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	RCRA 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	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.13	—	—	—	%	Y	—	NQ	2016-219	CAMO-15-102597	UIL
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.27	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95795	UIL
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.26	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95761	UIL
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.34	—	—	—	%	Y	—	NQ	2015-1059	CAMO-15-92475	UIL
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.36	—	—	—	%	Y	—	NQ	2015-1059	CAMO-15-92494	UIL
MCOI-6	686	11/07/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.36	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90189	UIL
MCOI-6	686	11/07/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.33	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90225	UIL
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
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.73	—	—	—	%	Y	—	NQ	2016-217	CASA-15-102653	UIL
R-43 S1	903.9	05/15/15	WG	F	REP	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1	—	—	—	%	Y	—	NQ	2015-1491	CASA-15-95831	UIL
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.98	—	—	—	%	N	—	NQ	2015-1491	CASA-15-95831	UIL
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.87	—	—	—	%	Y	—	NQ	2015-1060	CASA-15-92522	UIL
R-43 S1	903.9	11/21/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.91	—	—	—	%	Y	—	NQ	2015-562	CASA-15-90261	UIL
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 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.2	—	—	—	%	Y	—	NQ	2016-217	CASA-15-102654	UIL
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.48	—	—	—	%	Y	—	NQ	2015-1491	CASA-15-95832	UIL
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.47	—	—	—	%	Y	—	NQ	2015-1060	CASA-15-92523	UIL
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.41	—	—	—	%	Y	—	NQ	2015-1060	CASA-15-92510	UIL
R-43 S2	969.1	11/21/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.13	—	—	—	%	Y	—	NQ	2015-562	CASA-15-90262	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-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.96	—	—	—	%	Y	—	NQ	2016-219	CAMO-15-102610	UIL
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.06	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95807	UIL
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.17	—	—	—	%	Y	—	NQ	2015-1059	CAMO-15-92503	UIL
R-45 S1	880	11/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.07	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90235	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 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.13	—	—	—	%	Y	—	NQ	2016-219	CAMO-15-102611	UIL
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.29	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95808	UIL
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.27	—	—	—	%	Y	—	NQ	2015-1059	CAMO-15-92504	UIL
R-45 S2	974.9	11/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.27	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90236	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-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.9	—	—	—	%	Y	—	NQ	2016-219	CAMO-15-102612	UIL
R-50 S1	1077	05/08/15	WG	F	REP	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.04	—	—	—	%	N	—	NQ	2015-1492	CAMO-15-95810	UIL
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.07	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95810	UIL
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.98	—	—	—							

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
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.4	—	—	1	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.7	—	—	15	µg/L	Y	J	J	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.33	1.59	5.36	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.23	—	—	0.067	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.01	—	—	2	µg/L	Y	J	J	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.614	1.04	3.86	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	3.57	—	—	3	µg/L	Y	J	J	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.22	—	—	0.033	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.39	0.72	2.82	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.155	0.806	2.93	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.2	—	—	0.453	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.23	—	—	0.11	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.165	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.07	2.58	8.89	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.706	—	—	0.017	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.422	—	—	0.05	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0065	0.0413	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00531	0.0075	0.0538	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.14	15.7	58.4	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.351	1.11	4.48	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND	Y	143	—	—	1	uS/cm	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.6	—	—	1	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00578	0.115	0.425	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(2-)	Y	2.91	—	—	0.133	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	106	—	—	3.4	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.95	—	—	0.33	mg/L	Y	J	J-	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.751	0.686	2.251	—	pCi/L	Y	U	U	2016-177	CASA-16-106064	ARSL
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.487	—	—	0.067	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.342	0.0298	0.108	—	pCi/L	Y	—	NQ	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0493	0.0138	0.0867	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.207	0.0235	0.079	—	pCi/L	Y	—	NQ	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.72	—	—	1	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.07										

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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.42	—	—	0.01	SU	Y	H	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.42	—	—	0.01	SU	Y	H	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	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	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	—	—	0.01	SU	Y	H	NQ	2015-808	CAMO-15-92493	GELC
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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	5.06	—	—	0.725	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.29	—	—	0.725	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2	—	—	0.725	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	11/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-370	CAMO-15-90224	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.1	—	—	0.725	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56	—	—	0.725	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56	—	—	0.725	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00774	0.00774	0.0522	—	pCi/L	Y	U	U	2016-351	CAMO-16-106094	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	0.0672	—	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	0.0655	—	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	0.0359	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00507	0.0051	0.039	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.3	—	—	1.7	µg/L	Y	J	J	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	11/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-370	CAMO-15-90224	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.9	—	—	1	µg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18	—	—	1	µg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	15.9	—	—	1	µg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.8	—	—	1	µg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	5.21	—	—	1.56	µg/L	Y	U	U	2016-351	CAMO-16-106094	GELC
MCOI-5	689.04	11/16/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCM_SIM	Bis(2-chloroethyl)ether	111-44-4	Y	0.0619	—	—	0.0309	µg/L	Y	J	J	2016-351	CAMO-16-106094	GELC
MCOI-5	689.04	05/13/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	10.2	—	—	3.06	µg/L	Y	U	U	2015-1200	CAMO-15-95772	GELC
MCOI-5	689.04	11/18/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	5	—	—	0.6	µg/L	Y	U	U	2015-374	CAMO-15-90207	SHEALY
MCOI-5	689.04	11/18/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	10.5	—	—	3.16	µg/L	Y	U	U	2015-370	CAMO-15-90207	GELC
MCOI-5	689.04	05/12/14	WG	UF	INIT	REG	SVOC	SW-846:8270D</														

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	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.6	—	—	0.05	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.81	1.4	4.98	—	pCi/L	Y	U	U	2016-351	CAMO-16-106094	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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.28	—	—	0.067	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.29	—	—	0.067	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.58	—	—	0.067	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.79	—	—	0.067	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.21	—	—	2	µg/L	Y	J	J	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.48	—	—	2	µg/L	Y	J	J	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.53	—	—	2	µg/L	Y	J	J	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.57	—	—	2	µg/L	Y	J	J	2015-808	CAMO-15-92493	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.04	1.47	5.36	—	pCi/L	Y	U	U	2016-351	CAMO-16-106094	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	11/16/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	9.6	—	—	1.56	µg/L	Y	—	NQ	2016-351	CAMO-16-106094	GELC
MCOI-5	689.04	05/13/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	6.81	—	—	3.06	µg/L	Y	J	J	2015-1200	CAMO-15-95772	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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.169	—	—	0.033	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.197	—	—	0.033	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.18	—	—	0.033	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.168	—	—	0.033	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.44	0.489	2.92	—	pCi/L	Y	U	U	2016-351	CAMO-16-106094	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</td																				

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	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.37	—	—	0.11	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.04	—	—	0.11	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.17	—	—	0.11	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.48	—	—	0.165	µg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.41	—	—	0.165	µg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.35	—	—	0.165	µg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.57	—	—	0.165	µg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.61	2.87	8.94	—	pCi/L	Y	U	U	2016-351	CAMO-16-106094	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
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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.61	—	—	0.17	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.9	—	—	0.085	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.15	—	—	0.17	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.4	—	—	0.085	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	99.4	—	—	10	µg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	97	—	—	5	µg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	87.2	—	—	5	µg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	78.8	—	—	5	µg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
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	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00413	0.00653	0.0242	—	pCi/L	Y	U	U	2016-351	CAMO-16-106094	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	0.0466	—	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	0.0556	—	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	0.0239	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0033	0.026	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0165	0.00715	0.0464	—	pCi/L	Y	U	U	2016-351	CAMO-16-106094	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	0.0688	—	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	0.0885	—	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	0.0398	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0023	0.036	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.429	—	—	0.05	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	

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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.5	—	—	0.1	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.74	1.26	4.72	—	pCi/L	Y	U	U	2016-351	CAMO-16-106094	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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	236	—	—	1	µS/cm	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	2150	—	—	1	µS/cm	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	204	—	—	3.63	µS/cm	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	198	—	—	3.63	µS/cm	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.2	—	—	1	µg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	95.3	—	—	1	µg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	90.7	—	—	1	µg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0183	0.118	0.408	—	pCi/L	Y	U	U	2016-351	CAMO-16-106094	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	0.465	—	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	0.484	—	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	0.487	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.33	0.15	0.47	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.7	—	—	0.133	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16	—	—	0.133	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.5	—	—	0.133	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.9	—	—	0.133	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	—	3.4	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	3.4	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	106	—	—	3.4	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0625	—	—	0.017	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total													

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	INORGANIC	SW-846:6020	Uranium	U	Y	0.164	—	—	0.067	µg/L	Y	J	J	2015-370	CAMO-15-90224	GELC
MCOI-5	689.04	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0883	0.0133	0.06	—	pCi/L	Y	—	NQ	2016-351	CAMO-16-106094	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	0.118	—	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	0.143	—	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	0.0592	—	pCi/L	Y	—	NQ	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0809	0.019	0.071	—	pCi/L	Y	—	NQ	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0114	0.00601	0.0524	—	pCi/L	Y	U	U	2016-351	CAMO-16-106094	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	0.103	—	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	0.0826	—	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	0.037	—	pCi/L	Y	U	U	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0104	0.0092	0.037	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0478	0.0107	0.0593	—	pCi/L	Y	U	U	2016-351	CAMO-16-106094	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	0.113	—	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	0.074	—	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	0.0402	—	pCi/L	Y	—	NQ	2013-246	CAMO-13-24238	GELC
MCOI-5	689.04	11/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.028	0.0091	0.031	—	pCi/L	Y	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.15	—	—	1	µg/L	Y	J	J	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.9	—	—	1	µg/L	Y	J	J	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.01	—	—	1	µg/L	Y	J	J	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.58	—	—	1	µg/L	Y	J	J	2015-808	CAMO-15-92493	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-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.31	—	—	0.01	SU	Y	H	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	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	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.42	—	—	0.01	SU	Y	H	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.44	—	—	0.01	SU	Y	H	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	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	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.69	—	—	0.01	SU	Y	H	NQ	2015-837	CAMO-15-92475	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	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	90	—	—	0.725	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	89.6	—	—	0.725	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	92.7	—	—	0.725	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	92.7	—	—	0.725	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	98.5	—	—	0.725	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	97	—</td									

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	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.8	—	—	1	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	11/06/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Bis(2-chloroethyl)ether	111-44-4	Y	0.0412	—	—	0.0309	µg/L	Y	J	J	2016-286	CAMO-16-106095	GELC
MCOI-6	686	11/06/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	5.21	—	—	1.56	µg/L	Y	U	U	2016-286	CAMO-16-106095	GELC
MCOI-6	686	05/05/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	11	—	—	3.3	µg/L	Y	U	U	2015-1158	CAMO-15-95773	GELC
MCOI-6	686	05/05/15	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	10.5	—	—	3.16	µg/L	Y	U	U	2015-1158	CAMO-15-95758	GELC
MCOI-6	686	11/07/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	5	—	—	0.6	µg/L	Y	U	U	2015-277	CAMO-15-90208	SHEALY
MCOI-6	686	11/07/14	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	5	—	—	0.6	µg/L	Y	U	U	2015-277	CAMO-15-90188	SHEALY
MCOI-6	686	11/07/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	10	—	—	3	µg/L	Y	U	U	2015-262	CAMO-15-90208	GELC
MCOI-6	686	11/07/14	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	10.4	—	—	3.13	µg/L	Y	U	U	2015-262	CAMO-15-90188	GELC
MCOI-6	686	05/13/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	10.4	—	—	3.13	µg/L	Y	U	U	2014-3388	CAMO-14-75495	GELC
MCOI-6	686	11/07/13	WG	UF	INIT	REG	SVOC	SW-846:8270C	Bis(2-chloroethyl)ether	111-44-4	N	10	—	—	1	µg/L	Y	U	U	2014-2426	CAMO-14-45744	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	55.9	—	—	15	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	56	—	—	15	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	52.2	—	—	15	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	52.9	—	—	15	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	45.3	—	—	15	µg/L	Y	J	J	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	46.8	—	—	15	µg/L	Y	J	J	2015-837	CAMO-15-92475	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	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.571	—	—	0.067	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.56	—	—	0.067	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.574	—	—	0.067	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.575	—	—	0.067	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.571	—	—	0.067	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.575	—	—	0.067	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	67.3	—	—	0.05	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	64	—	—	0.05	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	63.3	—	—	0.05	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	64.4	—	—	0.05	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	58.8	—	—	0.05	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	59.7	—	—	0.05	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	—</									

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	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	57.7	—	—	0.67	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	11/06/15	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.3	—	—	0.3	µg/L	Y	J	J	2016-286	CAMO-16-106095	GELC
MCOI-6	686	05/05/15	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.3	µg/L	Y	UH	UJ	2015-1158	CAMO-15-95773	GELC
MCOI-6	686	05/05/15	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.3	µg/L	Y	UH	UJ	2015-1158	CAMO-15-95758	GELC
MCOI-6	686	11/07/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.3	µg/L	Y	UH	UJ	2015-262	CAMO-15-90208	GELC
MCOI-6	686	11/07/14	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.3	µg/L	Y	UH	UJ	2015-262	CAMO-15-90188	GELC
MCOI-6	686	05/13/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.31	—	—	0.3	µg/L	Y	J	J	2014-3388	CAMO-14-75495	GELC
MCOI-6	686	05/13/14	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.3	µg/L	Y	U	U	2014-3388	CAMO-14-75483	GELC
MCOI-6	686	11/07/13	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.3	µg/L	Y	UH	U	2014-2426	CAMO-14-45744	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	75.4	—	—	2	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	74.7	—	—	2	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	74.7	—	—	2	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	74.7	—	—	2	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	74.1	—	—	2	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	75.1	—	—	2	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
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	11/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.85	1.51	6.38	—	pCi/L	Y	U	U	2016-286	CAMO-16-106095	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	8.68	—	—	3	µg/L	Y	J	J	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	3.81	—	—	3	µg/L	Y	J	J	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	4.88	—	—	3	µg/L	Y	J	J	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Copper	Cu	Y	4.67	—	—	3	µg/L	Y	J	J	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	5.76	—	—	3	µg/L	Y	J	J	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Copper	Cu	Y	5.68	—	—	3	µg/L	Y	J	J	2015-837	CAMO-15-92475	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	11/06/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	8.14	—	—	1.56	µg/L	Y	—	NQ	2016-286	CAMO-16-106095	GELC
MCOI-6	686	05/05/15	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	7.39	—	—	3.16	µg/L	Y	J	J	2015-1158	CAMO-15-95758	GELC
MCOI-6	686	05/05/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	7.49	—	—	3.3	µg/L	Y	J	J	2015-1158	CAMO-1	

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: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	11/06/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.37	0.774	2.45	—	pCi/L	Y	U	U	2016-286	CAMO-16-106095	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	11/06/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.162	0.415	1.39	—	pCi/L	Y	U	U	2016-286	CAMO-16-106095	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
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	11/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	225	—	—	0.453	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	213	—	—	0.453	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	212	—	—	0.453	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	215	—	—	0.453	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	197	—	—	0.453	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	200	—	—	0.453	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	13.8	—	—	0.11	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	12.9	—	—	0.11	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	13	—	—	0.11	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	13.1	—	—	0.11	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	12.3	—	—	0.11	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	12.4	—	—	0.11	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.27	—	—	2	µg/L	Y	J	J	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	3.86	—	—	2	µg/L	Y	J	J	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	4.04	—	—	2	µg/L	Y	J	J	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	Y	4.42	—	—	2	µg/L	Y	J	J	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	3.15	—	—	2	µg/L	Y	J	J	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.92	—	—</								

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	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	29.3	—	—	0.5	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	31.8	—	—	0.5	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	37.1	—	—	0.5	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	36.6	—	—	0.5	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	35.6	—	—	0.5	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	34.6	—	—	0.5	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	9.21	—	—	0.17	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.95	—	—	0.425	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.28	—	—	0.425	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.1	—	—	0.425	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.14	—	—	0.17	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.71	—	—	0.17	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	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
MCOI-6	686	11/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	72.5	—	—	5	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	61.8	—	—	5	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	65.7	—	—	5	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	65.3	—	—	5	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	62.9	—	—	5	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	61.1	—	—	5	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
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	11/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00204	0.0054	0.0239	—	pCi/L	Y	U	U	2016-286	CAMO-16-106095	GELC
MCOI-6	686	11/07/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0137	0.00727	0.0368	—	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	0.0366	—	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	0.0474	—	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	0.0174	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00206	0.0029	0.023	—	pCi/L	Y	U	U	12-		

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	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	0.752	—	—	0.05	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	11/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.49	19.5	72.8	—	pCi/L	Y	U	U	2016-286	CAMO-16-106095	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.6	—	—	0.053	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67	—	—	0.053	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.2	—	—	0.053	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.7	—	—	0.053	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.8	—	—	0.053	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.6	—	—	0.053	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	26.5	—	—	0.1	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	27.3	—	—	0.1	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.1	—	—	0.1	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.9	—	—	0.1	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	28.9	—	—	0.1	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	29.4	—	—	0.1	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	11/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.83	1.77	5.02	—	pCi/L	Y	U	U	2016-286	CAMO-16-106095	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	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND C	Y	599	—	—	1	µS/cm	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND C	Y	547	—	—	3.63	µS/cm	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND C	Y	544	—	—	3.63	µS/cm	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND C	Y	537	—	—	3.63	µS/cm	Y	—	NQ	2015-1158		

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	11/06/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.303	0.112	0.482	—	pCi/L	Y	U	U	2016-286	CAMO-16-106095	GELC
MCOI-6	686	11/07/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0506	0.13	0.485	—	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	0.485	—	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	0.491	—	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	0.462	—	pCi/L	Y	U	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.257	0.12	0.48	—	pCi/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.339	0.15	0.49	—	pCi/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	57.5	—	—	1.33	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	71.4	—	—	0.133	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	59.7	—	—	1.33	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	60.1	—	—	1.33	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	59.2	—	—	1.33	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	59.6	—	—	1.33	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.35	—	—	2.5	µg/L	Y	J	J	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.24	—	—	2.5	µg/L	Y	J	J	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	100	—	—	25	µg/L	Y	U	U	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	N	100	—	—	25	µg/L	Y	U	U	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-837	CAMO-15-92475	GELC
MCOI-6	686	11/07/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-262	CAMO-15-90225	GELC
MCOI-6	686	11/07/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-262	CAMO-15-90189	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	441	—	—	3.4	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	396	—	—	3.4	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	456	—	—	3.4	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	383	—	—	3.4	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	451	—	—	3.4	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	409	—	—	3.4	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	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
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	11/06/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.841	—	—	0.33	mg/L	Y	J	J	2016-286	CAMO-16-106095	GELC
MCOI-6	686	08/04/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.01	—	—	0.33	mg/L	Y	—	NQ	2015-2020	CAMO-15-102573	GELC
MCOI-6	686	05/05/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.878	—	—	0.33	mg/L	Y	J	J	2015-1158	CAMO-15-95758	GELC
MCOI-6	686	05/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.897	—	—	0.33	mg/L	Y	J	J	2015-1158	CAMO-15-95773	GELC
MCOI-6	686	02/26/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.26	—	—	0.33	mg/L	Y	—	NQ	2015-837	CAMO-15-92478	GELC
MCOI-6	686	02/26/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.33	—	—	0.33	mg/L	Y	—	NQ	2015-837	CAMO-15-92473	GELC
MCOI-6																						

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	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.05	—	—	0.067	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.07	—	—	0.067	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.09	—	—	0.067	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	11/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.837	0.05	0.0956	—	pCi/L	Y	—	NQ	2016-286	CAMO-16-106095	GELC
MCOI-6	686	11/07/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.818	0.0597	0.0783	—	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	0.0531	—	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	0.104	—	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	0.0708	—	pCi/L	Y	—	NQ	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.11	0.099	0.075	—	pCi/L	Y	—	NQ	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.06	0.095	0.075	—	pCi/L	Y	—	NQ	12-312	CAMO-12-1468	GELC
MCOI-6	686	11/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0471	0.014	0.0834	—	pCi/L	Y	U	U	2016-286	CAMO-16-106095	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	0.0682	—	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	0.0462	—	pCi/L	Y	U	U	2015-262	CAMO-15-90188	GELC
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	0.0601	—	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	0.0442	—	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	0.039	—	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	11/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.36	0.033	0.0944	—	pCi/L	Y	—	NQ	2016-286	CAMO-16-106095	GELC
MCOI-6	686	11/07/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.283	0.0346	0.075	—	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	0.0509	—	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	0.0538	—	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	0.0481	—	pCi/L	Y	—	NQ	2013-267	CAMO-13-24239	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.428	0.048	0.033	—	pCi/L	Y	—	NQ	12-312	CAMO-12-1468	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.412	0.046	0.033	—	pCi/L	Y	—	NQ	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.13	—	—	1	µg/L	Y	J	J	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.55	—	—	1	µg/L	Y	J	J	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.26	—	—	1	µg/L	Y	J	J	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.28	—	—	1	µg/L	Y	J	J	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.32	—	—	1	µg/L	Y	J	J	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.26	—	—	1	µg/L	Y	J	J	2015-837	CAMO-15-92475	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	21	—	—	3.3	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	22	—	—	3							

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	11/10/14	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	11/20/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0049	0.00775	0.0331	—	pCi/L	Y	U	U	2016-389	CAMO-16-106096	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	0.0711	—	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	0.0295	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00514	0.0045	0.032	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00756	0.0071	0.034	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	13.8	—	—	1	µg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	13.1	—	—	1	µg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.5	—	—	0.05	mg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.62	0.89	2.95	—	pCi/L	Y	U	U	2016-389	CAMO-16-106096	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	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	—	0.067	mg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.86	—	—	0.067	mg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.83	—	—	2	µg/L	Y	J	J	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.68	—	—	2	µg/L	Y	J	J	2015-1147	CAMO-15-95796	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	11/20/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.356	1.22	4.41	—	pCi/L	Y	U	U	2016-389	CAMO-16-106096	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																					

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	11/10/14	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	11/20/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46	—	—	0.453	mg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.1	—	—	0.453	mg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.2	—	—	0.11	mg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.79	—	—	0.11	mg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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
R-1	1031.12	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.05	—	—	0.165	µg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.165	µg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.407	1.93	6.87	—	pCi/L	Y	U	U	2016-389	CAMO-16-106096	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.58	—	—	0.5	µg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.62	—	—	0.5	µg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.346	—	—	0.017	mg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.51	—	—	0.017	mg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.373	—	—	0.05	µg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.351	—	—	0.05	µg/L	Y	—	NQ	2015-1147	CAMO-15-95796	GELC
R-1	1031.12	11/10/14	WG	F	INIT</																	

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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.69	—	—	0.05	mg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.73	—	—	0.05	mg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.2	13.7	43.8	—	pCi/L	Y	U	U	2016-389	CAMO-16-106096	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.4	—	—	0.053	mg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0583	0.922	3.53	—	pCi/L	Y	U	U	2016-389	CAMO-16-106096	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	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	131	—	—	3.63	µS/cm	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	3.63	µS/cm	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	48.7	—	—	1	µg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.8	—	—	1	µg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.267	0.147	0.483	—	pCi/L	Y	U	U	2016-389	CAMO-16-106096	GELC
R-1	1031.12	11/10/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0636										

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	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	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0271	—	—	0.017	mg/L	Y	J	J	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	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	2015-1147	CAMO-15-95796	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	11/20/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.348	0.741	2.542	—	pCi/L	Y	U	U	2016-399	CAMO-16-106096	ARSL
R-1	1031.12	11/18/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.525	0.609	2.019	—	pCi/L	Y	U	U	2014-2520	CAMO-14-45745	ARSL
R-1	1031.12	10/30/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.785	0.791	2.41	—	pCi/L	Y	U	U	2013-251	CAMO-13-24240	ARSL
R-1	1031.12	11/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.61	0.67	2.31	—	pCi/L	Y	U	U	12-436	CAMO-12-1474	ARSL
R-1	1031.12	11/18/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.37	0.71	2.42	—	pCi/L	Y	U	U	12-436	CAMO-12-1476	ARSL
R-1	1031.12	06/03/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.644	0.7728	2.6082	—	pCi/L	Y	U	U	11-2628	CAMO-11-10747	ARSL
R-1	1031.12	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.898	—	—	0.067	µg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.91	—	—	0.067	µg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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	11/20/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.79	0.0473	0.0893	—	pCi/L	Y	—	NQ	2016-389	CAMO-16-106096	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	0.0576	—	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	0.0719	—	pCi/L	Y	—	NQ	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.768	0.071	0.068	—	pCi/L	Y	—	NQ	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.759	0.086	0.08	—	pCi/L	Y	—	NQ	10-1817	CAMO-10-9329	GELC
R-1	1031.12	11/20/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00676	0.00828	0.0779	—	pCi/L	Y	U	U	2016-389	CAMO-16-106096	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	0.0502	—	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	0.0449	—	pCi/L	Y	U	U	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0262	0.0095	0.041	—	pCi/L	Y	U	U	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0345	0.016	0.064	—	pCi/L	Y	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.12	11/20/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.298	0.0288	0.0882	—	pCi/L	Y	—	NQ	2016-389	CAMO-16-106096	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	0.0552	—	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	0.0488	—	pCi/L	Y	—	NQ	2013-247	CAMO-13-24240	GELC
R-1	1031.12	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.276	0.034	0.047	—	pCi/L	Y	—	NQ	10-3684	CAMO-10-22844	GELC
R-1	1031.12	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.267	0.042	0.057	—	pCi/L	Y	—	NQ	10-1817	CAMO-10-9329	GELC
R-1	1031.12	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.06	—	—	1	µg/L	Y	—	NQ	2016-389	CAMO-16-106117	GELC
R-1	1031.12	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.11	—	—	1	µg/L	Y	—	NQ	2015-1147	CAMO-15-95796	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													

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	11/05/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0123	0.00867	0.0349	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00254	0.00568	0.0348	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00182	0.0021	0.028	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.84	—	—	1.7	µg/L	Y	J	J	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.5	—	—	1.7	µg/L	Y	J	U	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-792	CASA-15-92518	GELC
R-11	855	11/19/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-393	CASA-15-90257	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41.9	—	—	1	µg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	43.4	—	—	1	µg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41.1	—	—	1	µg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	40.1	—	—	1	µg/L	Y	—	NQ	2015-792	CASA-15-92518	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	28	—	—	15	µg/L	Y	J	J	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	32.1	—	—	15	µg/L	Y	J	J	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	30.1	—	—	15	µg/L	Y	J	J	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.5	—	—	15	µg/L	Y	J	J	2015-792	CASA-15-92518	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.108	—	—	0.067	mg/L	Y	J	J	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.086	—	—	0.067	mg/L	Y	J	J	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0885	—	—	0.067	mg/L	Y	J	J	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0946	—	—	0.067	mg/L	Y	J	J	2015-792	CASA-15-92518	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.3	—	—	0.05	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.5	—	—	0.05	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.1	—	—	0.05	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.6	—	—	0.05	mg/L	Y	—	NQ	2015-792	CASA-15-92518	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.428	1.39	5.04	—	pCi/L	Y	U	U	2016-315	CASA-16-106240	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.78	—	—	0.067	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.15	—	—	0.067	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.51	—	—	0.067	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.32	—	—	0.067	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	11/19/14	WG	F	INIT	REG	GENERAL CHEMISTRY															

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	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.387	—	—	0.033	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.374	—	—	0.033	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.382	—	—	0.033	mg/L	Y	—	NQ	2015-792	CASA-15-92518	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.673	0.781	2.87	—	pCi/L	Y	U	U	2016-315	CASA-16-106240	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.92	0.925	2.86	—	pCi/L	Y	—	NQ	2016-315	CASA-16-106240	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
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	11/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.3	—	—	0.453	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.6	—	—	0.453	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.4	—	—	0.453	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	82.4	—	—	0.453	mg/L	Y	—	NQ	2015-792	CASA-15-92518	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.57	—	—	0.11	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.92	—	—	0.11	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.49	—	—	0.11	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.33	—	—	0.11	mg/L	Y	—	NQ	2015-792	CASA-15-92518	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.165	µg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.68	—	—	0.165	µg/L	Y	—	J	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.165	µg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.165	µg/L	Y	—	NQ	2015-792	CASA-15-92518	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.32	3	11	—	pCi/L	Y	U	U	2016-315	CASA-16-106240	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.42	—	—	0.17	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.65	—	—	0.085	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.61	—	—	0.17	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT</td																	

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	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00496	0.00859	0.0557	—	pCi/L	Y	U	U	2016-315	CASA-16-106240	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	0.0589	—	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	0.0334	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00761	0.00567	0.0306	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00681	0.0034	0.023	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.6	—	—	0.05	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	NQ	2015-792	CASA-15-92518	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-28.8	18.9	63.9	—	pCi/L	Y	U	U	2016-315	CASA-16-106240	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.46	—	—	1.5	µg/L	Y	J	J	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.27	—	—	1.5	µg/L	Y	J	J	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2015-792	CASA-15-92518	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.2	—	—	0.053	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.9	—	—	0.053	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.4	—	—	0.053	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.2	—	—	0.053	mg/L	Y	—	NQ	2015-792	CASA-15-92518	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13	—	—	0.1	mg/L	Y	—	NQ	2015-792	CASA-15-92518	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.61	1.46	5.94	—	pCi/L	Y	U	U	2016-315	CASA-16-106240	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND	Y	244	—	—	1	µS/cm	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND	Y	213	—	—	3.63	µS/cm	Y	—	NQ			

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	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.7	—	—	0.133	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.1	—	—	0.133	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.4	—	—	0.133	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.8	—	—	0.133	mg/L	Y	—	NQ	2015-792	CASA-15-92518	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	206	—	—	3.4	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	204	—	—	3.4	mg/L	Y	—	NQ	2015-792	CASA-15-92518	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	11/11/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.616	1.026	2.259	—	pCi/L	Y	—	NQ	2016-322	CASA-16-106240	ARSL
R-11	855	11/19/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.935	1.115	2.503	—	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	2.111	—	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	2.422	—	pCi/L	Y	—	NQ	2013-293	CASA-13-24209	ARSL
R-11	855	11/16/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.02	0.99	2.42	—	pCi/L	Y	—	NQ	12-414	CASA-12-1379	ARSL
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.728	—	—	0.067	µg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.687	—	—	0.067	µg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.583	—	—	0.067	µg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.796	—	—	0.067	µg/L	Y	—	J	2015-792	CASA-15-92518	GELC
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	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.629	0.0405	0.0812	—	pCi/L	Y	—	NQ	2016-315	CASA-16-106240	GELC
R-11	855	11/19/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.596	0.0574	0.104	—	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	0.0617	—	pCi/L	Y	—	J	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.556	0.0409	0.0735	—	pCi/L	Y	—	NQ	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.58	0.057	0.067	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22657	GELC
R-11	855	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0184	0.0106	0.0708	—	pCi/L	Y	U	U	2016-315	CASA-16-106240	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	0.0909	—	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	0.0385	—	pCi/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0136	0.00833	0.0475	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0195	0.0081	0.041	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.231	0.0245	0.0802	—	pCi/L	Y	—	NQ	2016-315	CASA-16-106240	GELC
R-11	855	11/19/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.163	0.033	0.0999	—	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	0.0419	—	pCi/L	Y	—	J	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.184	0.0229	0.0373	—	pCi/L	Y	—	NQ	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.229	0.03	0.047	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22657	GELC
R-11	855	11/11/15	WG																			

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	02/13/15	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	2015-794	CAMO-15-92495	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	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.7	—	—	0.725	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.7	—	—	0.725	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.3	—	—	0.725	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.5	—	—	0.725	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0122	0.0351	—	pCi/L	Y	U	U	2016-313	CAMO-16-106097	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	0.0723	—	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	0.0292	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00378	0.0026	0.034	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00306	0.01	0.033	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	26.4	—	—	1	µg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	26.8	—	—	1	µg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.1	—	—	1	µg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.5	—	—	1	µg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.3	—	—	0.05	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.2	—	—	0.05	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14	—	—	0.05	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.5	—	—	0.05	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	4.56	2.23	4.78	—	pCi/L	Y	U	U	2016-313	CAMO-16-106097	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	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.42	—	—	0.067	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.43	—	—	0.067	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.49	—	—	0.067	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.41	—	—	0.067	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.75	—	—	2	µg/L	Y	J	J	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.81	—	—	2	µg/L	Y	J	J	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.84	—	—	2	µg/L	Y	J	J	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.91	—	—	2	µg/L	Y	J	J	2015-794	CAMO-15-92495	GELC
R-1																						

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	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.631	0.7	2.6	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.747	0.62	2.2	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	08/06/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	11.1	1.8	2.5	—	pCi/L	Y	—	NQ	09-2808	CAMO-09-9558	GELC
R-13	958.33	11/10/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.63	0.874	2.85	—	pCi/L	Y	U	U	2016-313	CAMO-16-106097	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	11/10/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.8	—	—	0.453	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.3	—	—	0.453	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.4	—	—	0.453	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.1	—	—	0.453	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.66	—	—	0.11	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.64	—	—	0.11	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.51	—	—	0.11	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.49	—	—	0.11	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.925	—	—	0.165	µg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.03	—	—	0.165	µg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.165	µg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.01	—	—	0.165	µg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.853	3.14	10.8	—	pCi/L	Y	U	U	2016-313	CAMO-16-106097	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	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.737	—	—	0.017	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.734	—	—	0.017	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.783	—	—	0.017	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.748	—	—	0.017	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.419	—	—	0.05	µg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.4	—	—	0.05	µg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.39	—	—	0.05	µg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT</																	

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	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.33	—	—	0.05	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.37	—	—	0.05	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.35	—	—	0.05	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.9	16.3	59.6	—	pCi/L	Y	U	U	2016-313	CAMO-16-106097	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	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.1	—	—	0.053	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.1	—	—	0.053	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.6	—	—	0.053	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.2	—	—	0.1	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.92	—	—	0.1	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.78	—	—	0.1	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.717	1.31	5.19	—	pCi/L	Y	U	U	2016-313	CAMO-16-106097	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	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	1	µS/cm	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	130	—	—	3.63	µS/cm	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.4	—	—	1	µg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.5	—	—	1	µg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	48.8	—	—	1	µg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.6	—	—	1	µg/L	Y	—	NQ	2015-794	CAMO-15-92495	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	11/10/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.209	0.143	0.479	—	pCi/L	Y	U	U	2016-313	CAMO-16-106097	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	0.417	—	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</												

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	11/10/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.283	0.669	2.296	—	pCi/L	Y	U	U	2016-321	CAMO-16-106097	ARSL
R-13	958.33	11/19/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.288	0.692	2.333	—	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	1.754	—	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	1.997	—	pCi/L	Y	U	U	2013-291	CAMO-13-24241	ARSL
R-13	958.33	11/22/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.1	0.71	2.43	—	pCi/L	Y	U	U	12-422	CAMO-12-1480	ARSL
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.434	—	—	0.067	µg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.425	—	—	0.067	µg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.367	—	—	0.067	µg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.409	—	—	0.067	µg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
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	11/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.237	0.0277	0.0942	—	pCi/L	Y	—	NQ	2016-313	CAMO-16-106097	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	0.112	—	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	0.0919	—	pCi/L	Y	—	NQ	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.291	0.034	0.065	—	pCi/L	Y	—	NQ	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.176	0.033	0.08	—	pCi/L	Y	—	NQ	10-1817	CAMO-10-9343	GELC
R-13	958.33	11/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0214	0.0113	0.0822	—	pCi/L	Y	U	U	2016-313	CAMO-16-106097	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	0.0974	—	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	0.0573	—	pCi/L	Y	U	U	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.0063	0.039	—	pCi/L	Y	U	U	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.0089	0.063	—	pCi/L	Y	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.33	11/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.141	0.0206	0.0931	—	pCi/L	Y	—	NQ	2016-313	CAMO-16-106097	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	0.107	—	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	0.0624	—	pCi/L	Y	—	NQ	2013-258	CAMO-13-24241	GELC
R-13	958.33	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.106	0.019	0.045	—	pCi/L	Y	—	NQ	10-3667	CAMO-10-22848	GELC
R-13	958.33	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.136	0.029	0.057	—	pCi/L	Y	—	NQ	10-1817	CAMO-10-9343	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.01	—	—	1	µg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5	—	—	1	µg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.09	—	—	1	µg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.82	—	—	1	µg/L	Y	J	J	2015-794	CAMO-15-92495	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-15	958.6	11/20/15	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	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	0.01	SU	Y	H	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	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	2015-794	CAMO-15-92496	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	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO												

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	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.3	—	—	1	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC	
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.8	—	—	1	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.1	—	—	0.05	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC	
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.4	—	—	0.05	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC	
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.2	—	—	0.05	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC	
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14	—	—	0.05	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.42	1.34	5.37	—	pCi/L	Y	U	U	2016-392	CAMO-16-106099	GELC	
R-15	958.6	11/07/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.99	1.34	3.96	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45747	GELC	
R-15	958.6	11/07/13	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.73	1.6	4.81	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45725	GELC	
R-15	958.6	11/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-6.98	2	6.6	—	pCi/L	Y	U	U	12-323	CAMO-12-1485	GELC	
R-15	958.6	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.24	1.5	4.8	—	pCi/L	Y	U	U	10-3698	CAMO-10-22857	GELC	
R-15	958.6	08/06/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.66	1.2	4.3	—	pCi/L	Y	U	U	09-2805	CAMO-09-9544	GELC	
R-15	958.6	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.14	1.3	4.2	—	pCi/L	Y	U	U	09-2805	CAMO-09-9542	GELC	
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.07	—	—	0.067	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC	
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.99	—	—	0.067	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC	
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.06	—	—	0.067	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC	
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.14	—	—	0.067	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	12.6	—	—	2	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC	
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	12.5	—	—	2	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC	
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	10.5	—	—	2	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC	
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	11.3	—	—	2	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.09	1.26	4.15	—	pCi/L	Y	U	U	2016-392	CAMO-16-106099	GELC	
R-15	958.6	11/07/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.191	1.11	4.3	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45747	GELC	
R-15	958.6	11/07/13	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.22	1.45	6.41	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45725	GELC	
R-15	958.6	11/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.324	1.4	5.2	—	pCi/L	Y	U	U	12-323	CAMO-12-1485	GELC	
R-15	958.6	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.493	1.6	5	—	pCi/L	Y	U	U	10-3698	CAMO-10-22857	GELC	
R-15	958.6	08/06/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.25	1.6	4.9	—	pCi/L	Y	U	U	09-2805	CAMO-09-9544	GELC	
R-15	958.6	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.206	1	3.3	—	pCi/L	Y	U	U	09-2805	CAMO-09-9542	GELC	
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.143	—	—	0.033	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC	
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.143	—	—	0.033	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC	
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.139	—	—	0.033	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC	
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.144	—	—	0.033	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	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						

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	08/06/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.38	1.1	2.9	—	pCi/L	Y	—	NQ	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/06/09	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.87	0.75	2.2	—	pCi/L	Y	U	U	09-2805	CAMO-09-9544	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.5	—	—	0.453	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.1	—	—	0.453	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.2	—	—	0.453	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.5	—	—	0.453	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.93	—	—	0.11	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.92	—	—	0.11	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.69	—	—	0.11	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.8	—	—	0.11	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.916	—	—	0.165	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.925	—	—	0.165	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.918	—	—	0.165	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.934	—	—	0.165	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.9	2.41	8.23	—	pCi/L	Y	U	U	2016-392	CAMO-16-106099	GELC
R-15	958.6	11/07/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.64	2.18	8.01	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45747	GELC
R-15	958.6	11/07/13	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.7	2.33	8.9	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45725	GELC
R-15	958.6	11/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.16	2.1	7.8	—	pCi/L	Y	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.86	3.1	9.5	—	pCi/L	Y	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	15.4	10	32	—	pCi/L	Y	U	U	09-2805	CAMO-09-9544	GELC
R-15	958.6	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-10.9	8.6	26	—	pCi/L	Y	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.2	—	—	0.085	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.69	—	—	0.085	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.22	—	—	0.17	mg/L	Y	H	J-	2015-1147	CAMO-15-95799	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.31	—	—	0.085	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.32	—	—	0.085	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	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
R-15	958.6	11/20/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	9.05	—	—	1	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	8.93	—	—	0.5	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.71	—	—	0.5	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.22	—	—	0.5	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
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	11/20/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0139	0.00658	0.0232	—	pCi/L	Y	U	U	2016-392	CAMO-16-106099	GELC
R-15	958.6	11/07/13																				

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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.71	—	—	0.05	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.85	—	—	0.05	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.2	18.7	46	—	pCi/L	Y	U	U	2016-392	CAMO-16-106099	GELC
R-15	958.6	11/07/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.72	18.9	45.2	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45747	GELC
R-15	958.6	11/07/13	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-1.33	20.6	66	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45725	GELC
R-15	958.6	11/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-42.7	17	51	—	pCi/L	Y	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	41.9	24	35	—	pCi/L	Y	UI	R	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.75	17	29	—	pCi/L	Y	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/06/09	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	3.08	14	49	—	pCi/L	Y	U	U	09-2805	CAMO-09-9544	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74	—	—	0.053	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.3	—	—	0.053	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.9	—	—	0.053	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.16	—	—	0.1	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.354	1.16	4.53	—	pCi/L	Y	U	U	2016-392	CAMO-16-106099	GELC
R-15	958.6	11/07/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.17	1.07	3.57	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45747	GELC
R-15	958.6	11/07/13	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.508	1.18	4.77	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45725	GELC
R-15	958.6	11/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.09	1.2	5	—	pCi/L	Y	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0963	1.7	5.5	—	pCi/L	Y	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.239	1.3	4.3	—	pCi/L	Y	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/06/09	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	2.66	1.2	4.5	—	pCi/L	Y	U	U	09-2805	CAMO-09-9544	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	145	—	—	3.63	µS/cm	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	3.63	µS/cm	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	3.63	µS/cm	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	147	—	—	3.63	µS/cm	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.2	—	—	1	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	63.8	—	—	1	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	64.3	—	—	1	µg/L	Y	—	NQ	2015-1147</td		

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	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.58	—	—	0.133	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	106	—	—	3.4	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	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	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.027	—	—	0.017	mg/L	Y	J	J	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.027	—	—	0.017	mg/L	Y	J	J	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	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	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0302	—	—	0.017	mg/L	Y	J	U	2015-794	CAMO-15-92496	GELC
R-15	958.6	11/10/14	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	2015-265	CAMO-15-90228	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.387	—	—	0.067	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.439	—	—	0.067	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.4	—	—	0.067	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.4	—	—	0.067	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
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	11/20/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.255	0.0279	0.0934	—	pCi/L	Y	—	NQ	2016-392	CAMO-16-106099	GELC
R-15	958.6	11/07/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.282	0.0394	0.11	—	pCi/L	Y	—	NQ	2014-2426	CAMO-14-45747	GELC
R-15	958.6	11/07/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.362	0.0473	0.111	—	pCi/L	Y	—	NQ	2014-2426	CAMO-14-45725	GELC
R-15	958.6	11/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.259	0.034	0.078	—	pCi/L	Y	—	NQ	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.285	0.034	0.065	—	pCi/L	Y	—	NQ	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.213	0.027	0.09	—	pCi/L	Y	—	NQ	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/06/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.27	0.035	0.097	—	pCi/L	Y	—	NQ	09-2805	CAMO-09-9544	GELC
R-15	958.6	11/20/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00354	0.00791	0.0815	—	pCi/L	Y	U	U	2016-392	CAMO-16-106099	GELC
R-15	958.6	11/07/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0253	0.0155	0.0635	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45747	GELC
R-15	958.6	11/07/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00903	0.064	—	pCi/L	Y	U	U	2014-2426	CAMO-14-45725	GELC
R-15	958.6	11/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00761	0.0054	0.041	—	pCi/L	Y	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0158	0.0084	0.04	—	pCi/L	Y	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00289	0.0077	0.044	—	pCi/L	Y	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/06/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00314	0.0083	0.047	—	pCi/L	Y	U	U	09-2805	CAMO-09-9544	GELC
R-15	958.6	11/20/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.114	0.0198	0.0922	—	pCi/L	Y	—	NQ	2016-392	CAMO-16-106099	GELC
R-15	958.6	11/07/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.149	0.0303	0.0569	—	pCi/L	Y	—	NQ	2014-2426	CAMO-14-45747	GELC
R-15	958.6	11/07/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.16	0.0306	0.0573	—	pCi/L	Y	—	NQ	2014-2426	CAMO-14-45725	GELC
R-15	958.6	11/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.123	0.021	0.035	—	pCi/L	Y	—	NQ	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU														

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	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.7	—	—	0.725	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.8	—	—	0.725	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74	—	—	0.725	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	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	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00207	0.00685	0.0279	—	pCi/L	Y	U	U	2016-350	CAMO-16-106100	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	0.0704	—	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	0.0268	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00612	0.00749	0.0419	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00282	0.0047	0.039	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.84	—	—	1.7	µg/L	Y	J	J	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.41	—	—	1.7	µg/L	Y	J	J	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-834	CAMO-15-92497	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	68.9	—	—	1	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	75.2	—	—	1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	69.8	—	—	1	µg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	73	—	—	1	µg/L	Y	—	NQ	2015-834	CAMO-15-92497	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.3	—	—	15	µg/L	Y	J	J	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.5	—	—	15	µg/L	Y	J	J	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26	—	—	15	µg/L	Y	J	J	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.7	—	—	15	µg/L	Y	J	J	2015-834	CAMO-15-92497	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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.287	—	—	0.067	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.295	—	—	0.067	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.288	—	—	0.067	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.293	—	—	0.067	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	45.9	—	—	0.05	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	48.4	—	—	0.05	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	46.3	—	—	0.05	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	47.4	—	—	0.05	mg/L	Y	—	J-	2015-834	CAMO-15-92497	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.679	1.23	4.26	—	pCi/L	Y	U	U	2016-350	CAMO-16-106100	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</td															

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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.44	1.24	3.55	—	pCi/L	Y	U	U	2016-350	CAMO-16-106100	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	11/16/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00445	—	—	0.00167	mg/L	Y	J	J+	2016-350	CAMO-16-106100	GELC
R-28	934.3	08/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00457	—	—	0.00167	mg/L	Y	J	J	2015-2151	CAMO-15-102579	GELC
R-28	934.3	05/11/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00357	—	—	0.00167	mg/L	Y	J	J	2015-1184	CAMO-15-95778	GELC
R-28	934.3	02/25/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00488	—	—	0.00167	mg/L	Y	J	J	2015-834	CAMO-15-92481	GELC
R-28	934.3	11/13/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00476	—	—	0.00167	mg/L	Y	J	J	2015-318	CAMO-15-90212	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.261	—	—	0.033	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.261	—	—	0.033	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.264	—	—	0.033	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.276	—	—	0.033	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.589	0.807	2.95	—	pCi/L	Y	U	U	2016-350	CAMO-16-106100	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
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	11/16/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.03	1.1	3.03	—	pCi/L	Y	—	NQ	2016-350	CAMO-16-106100	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	11/16/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	163	—	—	0.453	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	172	—	—	0.453	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	164	—	—	0.453	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	168	—	—	0.453	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	11.7	—	—	0.11	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	12.5	—	—	0.11	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	11.8	—	—	0.11	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	11.9	—	—	0.11	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.926	—	—	0.165	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.874	—	—	0.165	µg/L	Y	—	NQ			

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	INORGANIC	SW-846:6020	Nickel	Ni	Y	12	—	—	0.5	µg/L	Y	—	NQ	2015-318	CAMO-15-90229	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.97	—	—	0.17	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.53	—	—	0.17	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.02	—	—	0.085	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.21	—	—	0.085	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	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	11/16/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	1.09	—	—	0.1	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	1	—	—	0.1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.988	—	—	0.05	µg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.962	—	—	0.05	µg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	11/13/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	1.04	—	—	0.1	µg/L	Y	—	NQ	2015-318	CAMO-15-90229	GELC
R-28	934.3	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00223	0.00803	0.0261	—	pCi/L	Y	U	U	2016-350	CAMO-16-106100	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	0.0377	—	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-238	Pu-238	N	-0.00691	0.00691	0.0332	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00359	0.0171	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00208	0.0047	0.028	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00891	0.00833	0.05	—	pCi/L	Y	U	U	2016-350	CAMO-16-106100	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	0.0556	—	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	0.0552	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0127	0.00672	0.0306	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00833	0.0042	0.028	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.76	—	—	0.05	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.89	—	—	0.05	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.86	—	—	0.05	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-41.5	17.3	58.3	—	pCi/L	Y	U	U	2016-350	CAMO-16-106100	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.3	—	—	0.053	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.2	—	—	0.053	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.7	—	—	0.053	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.6	—	—	0.053	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	11/13/14	WG	F	INIT	REG	INORGANIC	SW-846														

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	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	419	—	—	3.63	µS/cm	Y	—	NQ	2015-834	CAMO-15-92497	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	166	—	—	1	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	199	—	—	1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	180	—	—	1	µg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	198	—	—	1	µg/L	Y	—	NQ	2015-834	CAMO-15-92497	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.159	0.134	0.488	—	pCi/L	Y	U	U	2016-350	CAMO-16-106100	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	0.426	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.083	0.123	0.486	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.112	0.14	0.49	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	51.6	—	—	1.33	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	55.1	—	—	1.33	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	52.8	—	—	1.33	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	52.3	—	—	1.33	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.23	—	—	2.5	µg/L	Y	J	J	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.34	—	—	2.5	µg/L	Y	J	J	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-834	CAMO-15-92497	GELC
R-28	934.3	11/13/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-318	CAMO-15-90229	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	296	—	—	3.4	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	333	—	—	3.4	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	271	—	—	3.4	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	324	—	—	3.4	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	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
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	11/16/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.463	—	—	0.33	mg/L	Y	J	J	2016-350	CAMO-16-106100	GELC
R-28	934.3	08/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.57	—	—	0.33	mg/L	Y	J	J	2015-2151	CAMO-15-102579	GELC
R-28	934.3	05/11/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.621	—	—	0.33	mg/L	Y	J	J	2015-1184	CAMO-15-95778	GELC
R-28	934.3	02/25/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.933	—	—	0.33	mg/L	Y	J	J	2015-834	CAMO-15-92481	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	192	56.8	170	—	pCi/L	Y	—	NQ	2016-350	CAMO-16-106100	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

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	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0632	0.016	0.048	—	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	0.0408	—	pCi/L	Y	U	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0147	0.00851	0.0343	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.059	0.015	0.041	—	pCi/L	Y	—	NQ	10-3698	CAMO-10-22860	GELC
R-28	934.3	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.466	0.0401	0.108	—	pCi/L	Y	—	J-	2016-350	CAMO-16-106100	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	0.0528	—	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	0.0444	—	pCi/L	Y	—	NQ	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.433	0.0297	0.0269	—	pCi/L	Y	—	NQ	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.371	0.041	0.047	—	pCi/L	Y	—	NQ	10-3698	CAMO-10-22860	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.18	—	—	1	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.58	—	—	1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.36	—	—	1	µg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.89	—	—	1	µg/L	Y	J	J	2015-834	CAMO-15-92497	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.5	—	—	3.3	µg/L	Y	J	J	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.4	—	—	3.3	µg/L	Y	J	J	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-834	CAMO-15-92497	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-33 S1	995.5	11/12/15	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	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	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	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	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	2015-838	CAMO-15-92679	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.5	—	—	0.725	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.725	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.725	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.3	—	—	0.725	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62	—	—	0.725	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	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	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00781	0.013	0.0351	—	pCi/L	Y	U	U	2016-334	CAMO-16-106101	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0101	0.00534	0.0574	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102580	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00356	0.00436	0.0507	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102558	GELC
R-33 S1	995.5	05/12/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00708	0.0462	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95779	GELC
R-33 S1	995.5	02/26/15	WG	UF	INIT</td																	

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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0482	1.5	5.33	—	pCi/L	Y	U	U	2016-334	CAMO-16-106101	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.845	1.76	6.47	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102580	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.696	1.57	5.91	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102558	GELC
R-33 S1	995.5	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.508	1.95	6.77	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95779	GELC
R-33 S1	995.5	02/26/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.38	1.72	4.31	—	pCi/L	Y	U	U	2015-838	CAMO-15-92676	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.3	—	—	0.067	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.29	—	—	0.067	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.3	—	—	0.067	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.4	—	—	0.067	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.25	—	—	0.067	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.43	—	—	2	µg/L	Y	J	J	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.89	—	—	2	µg/L	Y	J	J	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.8	—	—	2	µg/L	Y	J	J	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.77	—	—	2	µg/L	Y	J	J	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.2	—	—	2	µg/L	Y	J	J	2015-838	CAMO-15-92679	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.737	1.31	4.73	—	pCi/L	Y	U	U	2016-334	CAMO-16-106101	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.61	1.21	5.49	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102580	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.59	1.58	6.76	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102558	GELC
R-33 S1	995.5	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.608	1.66	6.2	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95779	GELC
R-33 S1	995.5	02/26/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.135	1.39	5.3	—	pCi/L	Y	U	U	2015-838	CAMO-15-92676	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
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.166	—	—	0.033	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.218	—	—	0.033	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.228	—	—	0.033	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.213	—	—	0.066	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.216	—	—	0.033	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.565	0.638	2.58	—	pCi/L	Y	U	U	2016-334	CAMO-16-106101	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.708	0.822	3	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102580	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.166	0.719	2.83	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102558	GELC
R-33 S1	995.5	05/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.327	0.388	1.33	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95779	GELC
R-33 S1	995.5	02/26/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.19	0.429	2.57	—	pCi/L	Y	U	U	2015-838	CAMO-15-92676	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:9														

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	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.97	—	—	0.11	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.83	—	—	0.11	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.99	—	—	0.11	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.7	—	—	0.11	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	µg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.165	µg/L	Y	—	J	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.13	—	—	0.165	µg/L	Y	—	U	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.165	µg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.165	µg/L	Y	—	NQ	2015-838	CAMO-15-92679	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.893	3.08	9.07	—	pCi/L	Y	U	U	2016-334	CAMO-16-106101	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.29	3	10.3	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102580	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.15	3.09	11.5	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102558	GELC
R-33 S1	995.5	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.544	3.38	12	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95779	GELC
R-33 S1	995.5	02/26/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.21	2.92	9.52	—	pCi/L	Y	U	U	2015-838	CAMO-15-92676	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.635	—	—	0.5	µg/L	Y	J	J	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.745	—	—	0.5	µg/L	Y	J	J	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.754	—	—	0.5	µg/L	Y	J	J	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.57	—	—	0.5	µg/L	Y	J	J	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.921	—	—	0.5	µg/L	Y	J	J	2015-838	CAMO-15-92679	GELC
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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO <sub>3</sub> +NO <sub>2</sub> -N	Y	0.522	—	—	0.017	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO <sub>3</sub> +NO <sub>2</sub> -N	Y	0.542	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO <sub>3</sub> +NO <sub>2</sub> -N	Y	0.553	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO <sub>3</sub> +NO <sub>2</sub> -N	Y	0.544	—	—	0.017	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO <sub>3</sub> +NO <sub>2</sub> -N	Y	0.516	—	—	0.017	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO <sub>3</sub> +NO <sub>2</sub> -N	Y	0.522	—	—	0.017	mg/L	Y	—	NQ	2015-250	CAMO-15-90230	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO <sub>4</sub>	Y	0.393	—	—	0.05	µg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO <sub>4</sub>	Y	0.398	—	—	0.05	µg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO <sub>4</sub>	Y	0.404	—	—	0.05	µg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO <sub>4</sub>	Y	0.393	—	—	0.05	µg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO <sub>4</sub>	Y	0.361	—	—	0.05	µg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	11/06/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO <sub>4</sub>	Y	0.393	—	—	0.05	µg/L	Y	—	NQ	2015-250	CAMO-15-90230	GELC
R-33																						

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	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.41	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.52	—	—	0.05	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.8	14.9	53.9	—	pCi/L	Y	U	U	2016-334	CAMO-16-106101	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.24	18.2	68.3	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102580	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-10.4	19.9	77.2	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102558	GELC
R-33 S1	995.5	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	32.5	20.6	51.8	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95779	GELC
R-33 S1	995.5	02/26/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-25.6	18.6	66.5	—	pCi/L	Y	U	U	2015-838	CAMO-15-92676	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.3	—	—	0.053	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.4	—	—	0.053	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.1	—	—	0.053	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76	—	—	0.053	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74	—	—	0.053	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13	—	—	0.1	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.45	1.03	3.42	—	pCi/L	Y	U	U	2016-334	CAMO-16-106101	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.298	1.44	5.7	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102580	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.69	1.56	5.3	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102558	GELC
R-33 S1	995.5	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.73	1.08	6.75	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95779	GELC
R-33 S1	995.5	02/26/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.94	1.45	4.87	—	pCi/L	Y	U	U	2015-838	CAMO-15-92676	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	150	—	—	1	µS/cm	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	3.63	µS/cm	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	3.63	µS/cm	Y	—	NQ	2015-838	CAMO-15-92679	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	47.7	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	46.8	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F</																		

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	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.62	—	—	0.133	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.11	—	—	0.133	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	—	3.4	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	104	—	—	3.4	mg/L	Y	—	J	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0243	—	—	0.017	mg/L	Y	J	J	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0319	—	—	0.017	mg/L	Y	J	J	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0241	—	—	0.017	mg/L	Y	J	J	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0588	—	—	0.017	mg/L	Y	—	U	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0484	—	—	0.017	mg/L	Y	J	J	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	11/06/14	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	2015-250	CAMO-15-90230	GELC
R-33 S1	995.5	11/12/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.164	0.61	2.086	—	pCi/L	Y	U	U	2016-379	CAMO-16-106101	ARSL
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	2.289	—	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	2.063	—	pCi/L	Y	U	U	2013-1100ARS	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	2.256	—	pCi/L	Y	U	UJ	12-1512	CAMO-12-21788	ARSL
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	2.254	—	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	2.093	—	pCi/L	Y	U	U	11-2435	CAMO-11-10765	ARSL
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.787	—	—	0.067	µg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.759	—	—	0.067	µg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.731	—	—	0.067	µg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.826	—	—	0.067	µg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.846	—	—	0.067	µg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
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	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.506	0.0318	0.0639	—	pCi/L	Y	—	NQ	2016-334	CAMO-16-106101	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.503	0.0302	0.0788	—	pCi/L	Y	—	NQ	2015-2084	CAMO-15-102580	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.526	0.0327	0.087	—	pCi/L	Y	—	NQ	2015-2084	CAMO-15-102558	GELC
R-33 S1	995.5	05/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.495	0.0393	0.0664	—	pCi/L	Y	—	NQ	2015-1190	CAMO-15-95779	GELC
R-33 S1	995.5	02/26/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.484	0.0365	0.102	—	pCi/L	Y	—	NQ	2015-838	CAMO-15-92676	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	0.0448	—	pCi/L	Y	—	NQ	2015-250	CAMO-15-90213	GELC
R-33 S1	995.5	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0169	0.00802	0.0557	—	pCi/L	Y	U	U	2016-334	CAMO-16-106101	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0723	0.013	0.0523	—	pCi/L	Y	—	NQ	2015-2084	CAMO-15-102580	GELC
R-33 S1	995.5	08/06/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0										

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	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.92	—	—	1	µg/L	Y	—	NQ	2015-838	CAMO-15-92679	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 S2	1112.4	11/12/15	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	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	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	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	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	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	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	2015-838	CAMO-15-92680	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	64	—	—	0.725	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	63.2	—	—	0.725	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	63.4	—	—	0.725	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	63	—	—	0.725	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	94.2	—	—	0.725	mg/L	Y	—	NQ	2015-250	CAMO-15-90231	GELC
R-33 S2	1112.4	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0061	0.00538	0.0275	—	pCi/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	1.31E-09	0.00619	0.0557	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00314	0.00832	0.0581	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.017	0.0118	0.0522	—	pCi/L	Y	U	U	2015-838	CAMO-15-92677	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	0.0545	—	pCi/L	Y	U	U	2015-250	CAMO-15-90214	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.7	—	—	1.7	µg/L	Y	J	J	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	11/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-250	CAMO-15-90231	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	35.4	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	36.3	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	34.9	—	—	1	µg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	33.1	—	—	1	µg/L	Y	—	NQ	2015-838	CAMO-15-92680	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	11/12/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.5	—	—	0.15	µg/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	11/12/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMSSIM	Benzo(g,h,i)perylene	191-24-2	Y	0.0645	—	—	0.0323	µg/L	Y	J	J	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	11/06/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(g,h,i)perylene	191-24-2	N	0.0526	—	—	0.0168	µg/L	Y	U	U	2015-250	CAMO-15-90214	GELC
R-33 S2	1112.4	07/09/14	WG	UF	RE	REG	SVOC	SW-846:8310	Benzo(g,h,i)perylene	191-24-2	N	0.051	—	—	0.0163	µg/L	Y	U	U	2014-3714	CAMO-14-81576	GELC
R-33 S2	1112.4	07/09/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(g,h,i)perylene	191-24-2	N	0.0521	—	—	0.0167	µg/L	N	U	U	2014-3714	CAMO-14-81576	GELC
R-33 S2	1112.4	07/11/13	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1	—	—	0.3	µg/L	Y	U	U	2013-1128	CAMO-13-37038	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1.05	—	—	0.316	µg/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.5	—	—								

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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.35	—	—	2	µg/L	Y	J	J	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.52	—	—	2	µg/L	Y	J	J	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.51	—	—	2	µg/L	Y	J	J	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.69	—	—	2	µg/L	Y	J	J	2015-838	CAMO-15-92680	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.13	1.69	5.73	—	pCi/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.595	1.4	5.03	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.04	1.93	6.66	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.79	1.92	6.82	—	pCi/L	Y	U	U	2015-838	CAMO-15-92677	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	11/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00246	—	—	0.00167	mg/L	Y	J	J	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2015-838	CAMO-15-92677	GELC
R-33 S2	1112.4	11/06/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2015-250	CAMO-15-90214	GELC
R-33 S2	1112.4	11/12/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.5	—	—	0.15	µg/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	11/12/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMs_SIM	Dibenz(a,h)anthracene	53-70-3	Y	0.0968	—	—	0.0323	µg/L	Y	J	J	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	11/06/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Dibenz(a,h)anthracene	53-70-3	N	0.0526	—	—	0.0168	µg/L	Y	U	U	2015-250	CAMO-15-90214	GELC
R-33 S2	1112.4	07/09/14	WG	UF	RE	REG	SVOC	SW-846:8310	Dibenz(a,h)anthracene	53-70-3	N	0.051	—	—	0.0163	µg/L	Y	U	U	2014-3714	CAMO-14-81576	GELC
R-33 S2	1112.4	07/09/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Dibenz(a,h)anthracene	53-70-3	N	0.0521	—	—	0.0167	µg/L	N	U	U	2014-3714	CAMO-14-81576	GELC
R-33 S2	1112.4	07/11/13	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	N	1	—	—	0.3	µg/L	Y	U	U	2013-1128	CAMO-13-37038	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	N	1.05	—	—	0.316	µg/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.152	—	—	0.033	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.193	—	—	0.033	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.223	—	—	0.033	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0711	0.644	2.42	—	pCi/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.919	0.71	2.96	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.589	0.527	1.92	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.55	0.934	2.23	—	pCi/L	Y	—	NQ	2015-838	CAMO-15-92677	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.42	0.816	2.68	—	pCi/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.85	0.976	2.69	—	pCi/L	Y	—	NQ	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.65	0.543	1.71	—	pCi/L	Y	—	NQ	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.4	0.436	1.34	—	pCi/L	Y	—</				

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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.27	—	—	0.11	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.32	—	—	0.11	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.29	—	—	0.11	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.96	—	—	0.11	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.903	—	—	0.165	µg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.947	—	—	0.165	µg/L	Y	—	U	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.936	—	—	0.165	µg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.942	—	—	0.165	µg/L	Y	—	NQ	2015-838	CAMO-15-92680	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.598	3.25	11.3	—	pCi/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.44	2.94	9.7	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.13	3.61	12.8	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.18	3.69	13	—	pCi/L	Y	U	U	2015-838	CAMO-15-92677	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.333	—	—	0.017	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.356	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.37	—	—	0.017	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.335	—	—	0.017	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	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	11/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.349	—	—	0.05	µg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.35	—	—	0.05	µg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.348	—	—	0.05	µg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.35	—	—	0.05	µg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
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	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00222	0.00384	0.0259	—	pCi/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0039	0.00552	0.0324	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00955	0.00842	0.0434	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00651	0.00485	0.0409	—	pCi/L	Y	U	U	2015-838	CAMO-15-92677	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	0.0311	—	pCi/L	Y	U	U	2015-250	CAMO-15-90214	GELC
R-33 S2	1112.4	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0133	0.0094	0.0498	—	pCi/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00195	0.00436	0.0431	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00318	0.00842	0.0792	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00217	0.00651	0.053	—	pCi/L	Y	U	U	2015-838	CAMO-15-92677	GELC
R-33 S2	1112.4	11/06/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240</												

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	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.6	—	—	0.1	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.02	1.58	6.21	—	pCi/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0258	1.37	5.16	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.57	1.76	5.67	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.26	1.72	6.71	—	pCi/L	Y	U	U	2015-838	CAMO-15-92677	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	146	—	—	1	µS/cm	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	131	—	—	3.63	µS/cm	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	3.63	µS/cm	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	132	—	—	3.63	µS/cm	Y	—	NQ	2015-838	CAMO-15-92680	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	45.6	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	46.5	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.4	—	—	1	µg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.2	—	—	1	µg/L	Y	—	NQ	2015-838	CAMO-15-92680	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.115	0.127	0.496	—	pCi/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0584	0.133	0.484	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.191	0.116	0.471	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0241	0.114	0.389	—	pCi/L	Y	U	U	2015-838	CAMO-15-92677	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	0.414	—	pCi/L	Y	U	U	2015-250	CAMO-15-90214	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.26	—	—	0.133	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.3	—	—	0.133	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.52	—	—	0.133	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.12	—	—	0.133	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	—	—	3.4	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	92.9	—	—	3.4	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	—	—	3.4	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	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.																					

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	02/26/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.563	0.0349	0.0794	—	pCi/L	Y	—	NQ	2015-838	CAMO-15-92677	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	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00283	0.00634	0.0653	—	pCi/L	Y	U	U	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0494	0.0115	0.0537	—	pCi/L	Y	U	U	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0211	0.0109	0.0356	—	pCi/L	Y	U	U	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0127	0.00762	0.0497	—	pCi/L	Y	U	U	2015-838	CAMO-15-92677	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	0.0436	—	pCi/L	Y	U	U	2015-250	CAMO-15-90214	GELC
R-33 S2	1112.4	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.346	0.0284	0.0739	—	pCi/L	Y	—	NQ	2016-334	CAMO-16-106102	GELC
R-33 S2	1112.4	08/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.325	0.0246	0.0507	—	pCi/L	Y	—	NQ	2015-2084	CAMO-15-102581	GELC
R-33 S2	1112.4	05/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.324	0.0289	0.0468	—	pCi/L	Y	—	NQ	2015-1190	CAMO-15-95780	GELC
R-33 S2	1112.4	02/26/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.288	0.0257	0.0405	—	pCi/L	Y	—	NQ	2015-838	CAMO-15-92677	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	0.0479	—	pCi/L	Y	—	NQ	2015-250	CAMO-15-90214	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.44	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.37	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.51	—	—	1	µg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.42	—	—	1	µg/L	Y	—	NQ	2015-838	CAMO-15-92680	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-35a	1013.1	11/09/15	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	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	102	—	—	0.725	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.1	—	—	0.725	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	103	—	—	0.725	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	102	—	—	0.725	mg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00414	0.00586	0.028	—	pCi/L	Y	U	U	2016-299	CASA-16-106241	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	0.0686	—	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	0.0217	—	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	0.031	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00828	0.0048	0.036	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0219	—	—	0.017	mg/L	Y	J	J	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.083	—	—	0.017	mg/L	Y	—	J+	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0367	—	—	0							

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	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	40.7	—	—	15	µg/L	Y	J	J	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	34.1	—	—	15	µg/L	Y	J	J	2015-833	CASA-15-92519	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.7	—	—	0.05	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.5	—	—	0.05	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.9	—	—	0.05	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.1	—	—	0.05	mg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.658	1.3	4.85	—	pCi/L	Y	U	U	2016-299	CASA-16-106241	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	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.45	—	—	0.067	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.74	—	—	0.067	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.49	—	—	0.067	mg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.2	—	—	2	µg/L	Y	J	J	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.3	—	—	2	µg/L	Y	J	J	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.52	—	—	2	µg/L	Y	J	J	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.61	—	—	2	µg/L	Y	J	J	2015-833	CASA-15-92519	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	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.44	1.36	5.82	—	pCi/L	Y	U	U	2016-299	CASA-16-106241	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
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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	3.85	—	—	3	µg/L	Y	J	J	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2015-833	CASA-15-92519	GELC
R-35a	1013.1	11/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2015-264	CASA-15-90258	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.289	—	—	0.033	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.273	—	—	0.033	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.296	—	—	0.033	mg/L	Y	—	NQ	2015-833	CASA-15-92519	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	2		

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	08/10/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.5	—	—	0.453	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79.2	—	—	0.453	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	77.2	—	—	0.453	mg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	74.6	—	—	30	µg/L	Y	J	J	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	35.8	—	—	30	µg/L	Y	J	J	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	34.3	—	—	30	µg/L	Y	J	J	2015-833	CASA-15-92519	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.98	—	—	0.11	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.17	—	—	0.11	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.96	—	—	0.11	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.93	—	—	0.11	mg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.165	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.165	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.165	µg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.165	µg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.19	2.91	10.1	—	pCi/L	Y	U	U	2016-299	CASA-16-106241	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.49	—	—	0.5	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.85	—	—	0.5	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.7	—	—	0.5	µg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.27	—	—	0.5	µg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.482	—	—	0.017	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.448	—	—	0.017	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	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	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.457	—	—	0.017	mg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.453	—	—	0.05	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.422	—	—	0.05	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/																				

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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.83	—	—	0.05	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.08	—	—	0.05	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.96	—	—	0.05	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.01	—	—	0.05	mg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.46	16.1	65.8	—	pCi/L	Y	U	U	2016-299	CASA-16-106241	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	83.1	—	—	0.053	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.1	—	—	0.053	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.2	—	—	0.053	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.4	—	—	0.053	mg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.2	—	—	0.1	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.9	—	—	0.1	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.7	—	—	0.1	mg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.576	1.3	4.52	—	pCi/L	Y	U	U	2016-299	CASA-16-106241	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	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	251	—	—	1	µS/cm	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	223	—	—	3.63	µS/cm	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	219	—	—	3.63	µS/cm	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	229	—	—	3.63	µS/cm	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	167	—	—	1	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	174	—	—	1	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	158	—	—	1	µg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	199	—	—	1	µg/L	Y	—	NQ	2015-833	CASA-15-92519	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	11/09/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0963	0.126	0.498	—	pCi/L	Y	U	U	2016-299	CASA-16-106241	GELC
R-35a	1013.1	11/10/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.194										

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	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	11/09/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.41	0.621	2.077	—	pCi/L	Y	U	U	2016-322	CASA-16-106241	ARSL
R-35a	1013.1	11/10/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.643	0.628	2.067	—	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	2.091	—	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	2.296	—	pCi/L	Y	U	U	2013-315	CASA-13-24210	ARSL
R-35a	1013.1	11/17/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.52	0.68	2.34	—	pCi/L	Y	U	U	12-437	CASA-12-1383	ARSL
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.574	—	—	0.067	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.571	—	—	0.067	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.621	—	—	0.067	µg/L	Y	—	J	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.641	—	—	0.067	µg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
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	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.479	0.0343	0.0745	—	pCi/L	Y	—	NQ	2016-299	CASA-16-106241	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	0.0538	—	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	0.0615	—	pCi/L	Y	—	NQ	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.476	0.05	0.068	—	pCi/L	Y	—	NQ	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.504	0.063	0.076	—	pCi/L	Y	—	NQ	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0395	0.012	0.065	—	pCi/L	Y	U	U	2016-299	CASA-16-106241	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	0.0469	—	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	0.0384	—	pCi/L	Y	U	U	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00651	0.0065	0.041	—	pCi/L	Y	U	U	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0297	0.013	0.06	—	pCi/L	Y	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.196	0.0219	0.0735	—	pCi/L	Y	—	NQ	2016-299	CASA-16-106241	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	0.0516	—	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	0.0418	—	pCi/L	Y	—	NQ	2013-312	CASA-13-24210	GELC
R-35a	1013.1	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.176	0.025	0.047	—	pCi/L	Y	—	NQ	10-3610	CASA-10-22660	GELC
R-35a	1013.1	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.168	0.031	0.054	—	pCi/L	Y	—	NQ	10-1826	CASA-10-9464	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	15.7	—	—	1	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16.6	—	—	1	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16.5	—	—	1	µg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16.6	—	—	1	µg/L	Y	—	NQ	2015-833	CASA-15-92519	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-35b	825.4	11/06/15	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	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.89	—	—	0.01	SU	Y	H	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.58	—	—	0.01	SU	Y	H	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	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	2015-807	CASA-15-92520	GELC
R-35b	825.4	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution													

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	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.79	—	—	1.7	µg/L	Y	J	J	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.9	—	—	1.7	µg/L	Y	J	J	2015-807	CASA-15-92520	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	40.6	—	—	1	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39.8	—	—	1	µg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.3	—	—	1	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39.7	—	—	1	µg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	24.6	—	—	15	µg/L	Y	J	J	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	27.6	—	—	15	µg/L	Y	J	J	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25	—	—	15	µg/L	Y	J	J	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26	—	—	15	µg/L	Y	J	J	2015-807	CASA-15-92520	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.5	—	—	0.05	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.2	—	—	0.05	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16	—	—	0.05	mg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.734	1.4	5.05	—	pCi/L	Y	U	U	2016-287	CASA-16-106242	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	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.84	—	—	0.067	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.82	—	—	0.067	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.88	—	—	0.067	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.9	—	—	0.067	mg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.39	—	—	2	µg/L	Y	J	J	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.98	—	—	2	µg/L	Y	J	J	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.76	—	—	2	µg/L	Y	J	J	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.05	—	—	2	µg/L	Y	J	J	2015-807	CASA-15-92520	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	11/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.85	0.756	4.59	—	pCi/L	Y	U	U	2016-287	CASA-16-106242	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-35																						

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	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	11/06/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.292	0.411	1.36	—	pCi/L	Y	U	U	2016-287	CASA-16-106242	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	11/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.9	—	—	0.453	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.5	—	—	0.453	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.6	—	—	0.453	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.7	—	—	0.453	mg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.33	—	—	0.11	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.03	—	—	0.11	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5	—	—	0.11	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.29	—	—	0.11	mg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.165	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22	—	—	0.165	µg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.165	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	µg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.78	3.12	10.5	—	pCi/L	Y	U	U	2016-287	CASA-16-106242	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.11	—	—	0.5	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.6	—	—	0.5	µg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.18	—	—	0.5	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.56	—	—	0.5	µg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.23	—	—	0.017	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	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	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.24	—	—	0.017	mg/L	Y					

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00213	0.0036	0.048	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00672	0.00742	0.0503	—	pCi/L	Y	U	U	2016-287	CASA-16-106242	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	0.0541	—	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	0.0458	—	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	0.032	—	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	0.035	—	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	0.034	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2	—	—	0.05	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.97	—	—	0.05	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.95	—	—	0.05	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.19	—	—	0.05	mg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.41	18.8	75	—	pCi/L	Y	U	U	2016-287	CASA-16-106242	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.6	—	—	0.053	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.8	—	—	0.053	mg/L	Y	—	J-	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.1	—	—	0.053	mg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.2	—	—	0.1	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.85	1.45	4.99	—	pCi/L	Y	U	U	2016-287	CASA-16-106242	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	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND	Y	179	—	—	1	µS/cm	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND	Y	156	—	—	3.63	µS/cm	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	0																				

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	EPA: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	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.5	—	—	0.133	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.48	—	—	0.133	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.56	—	—	0.133	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.64	—	—	0.133	mg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	206	—	—	3.4	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	109	—	—	3.4	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	—	—	3.4	mg/L	Y	—	NQ	2015-807	CASA-15-92520	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	11/06/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.894	0.641	2.072	—	pCi/L	Y	U	U	2016-322	CASA-16-106242	ARSL
R-35b	825.4	11/06/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.31	0.754	2.385	—	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	2.134	—	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	2.906	—	pCi/L	Y	U	U	2013-320	CASA-13-24211	ARSL
R-35b	825.4	11/09/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.72	0.69	2.37	—	pCi/L	Y	U	U	12-306	CASA-12-1387	ARSL
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.26	—	—	0.067	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.312	—	—	0.067	µg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.279	—	—	0.067	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.289	—	—	0.067	µg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
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	11/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.229	0.022	0.0644	—	pCi/L	Y	—	NQ	2016-287	CASA-16-106242	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	0.0818	—	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	0.0693	—	pCi/L	Y	—	NQ	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.21	0.028	0.066	—	pCi/L	Y	—	NQ	10-3679	CASA-10-22663	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.236	0.03	0.066	—	pCi/L	Y	—	NQ	10-3679	CASA-10-22690	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.329	0.049	0.082	—	pCi/L	Y	—	NQ	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0195	0.00845	0.0562	—	pCi/L	Y	U	U	2016-287	CASA-16-106242	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	0.0712	—	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	0.0433	—	pCi/L	Y	U	U	2013-321	CASA-13-24211	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0045	0.04	—	pCi/L	Y	U	U	10-3679	CASA-10-22690	GELC
R-35b	825.4	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00955	0.0072	0.04	—	pCi/L	Y	U	U	10-3679	CASA-10-22663	GELC
R-35b	825.4	02/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0352	0.016	0.065	—	pCi/L	Y	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	11/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.13	0.017	0.0636	—	pCi/L	Y	—	NQ	2016-287	CASA-16-106242	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	0.0783	—	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	0.0471	—</td							

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	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.2	—	—	0.01	SU	Y	H	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	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	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.4	—	—	0.01	SU	Y	H	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	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	2015-792	CASA-15-92521	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	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.3	—	—	0.725	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.2	—	—	0.725	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.1	—	—	0.725	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69	—	—	0.725	mg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00373	0.00645	0.0252	—	pCi/L	Y	U	U	2016-364	CASA-16-106243	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	0.0451	—	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	0.0275	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.009	0.00712	0.0256	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0233	0.007	0.039	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00834	0.0041	0.027	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.36	—	—	1.7	µg/L	Y	J	J	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.95	—	—	1.7	µg/L	Y	J	U	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.1	—	—	1.7	µg/L	Y	J	J	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.37	—	—	1.7	µg/L	Y	J	J	2015-792	CASA-15-92521	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	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31.4	—	—	1	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	34.2	—	—	1	µg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	32.5	—	—	1	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	32.5	—	—	1	µg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.6	—	—	15	µg/L	Y	J	J	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	27.2	—	—	15	µg/L	Y	J	J	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25.8	—	—	15	µg/L	Y	J	J	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.2	—	—	15	µg/L	Y	J	J	2015-792	CASA-15-92521	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	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.089	—	—	0.067	mg/L	Y	J	J	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.103	—	—	0.067	mg/L	Y	J	J	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0757	—	—	0.067	mg/L	Y	J	J	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0984	—	—	0.067	mg/L	Y	J	J	2015-792	CASA-15-92521	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	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium</													

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	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.1	—	—	0.067	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.04	—	—	0.067	mg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.89	—	—	2	µg/L	Y	J	J	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.29	—	—	2	µg/L	Y	J	J	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.94	—	—	2	µg/L	Y	J	J	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.79	—	—	2	µg/L	Y	J	J	2015-792	CASA-15-92521	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	11/17/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.33	0.98	4.69	—	pCi/L	Y	U	U	2016-364	CASA-16-106243	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	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.523	—	—	0.033	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.54	—	—	0.033	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.488	—	—	0.033	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.527	—	—	0.033	mg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.76	0.898	2.82	—	pCi/L	Y	U	U	2016-364	CASA-16-106243	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	11/17/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.75	1.05	2.87	—	pCi/L	Y	—	NQ	2016-364	CASA-16-106243	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	11/17/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.1	—	—	0.453	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.6	—	—	0.453	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.6	—	—	0.453	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.5	—	—	0.453	mg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.1	—	—	0.11	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-84														

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	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.85	—	—	0.165	µg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.83	3.41	11.2	—	pCi/L	Y	U	U	2016-364	CASA-16-106243	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	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.29	—	—	0.085	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.45	—	—	0.085	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	6.8	—	—	0.425	mg/L	Y	H	J-	2015-1159	CASA-15-95830	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	6.8	—	—	0.085	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.33	—	—	0.085	mg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.61	—	—	0.1	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.55	—	—	0.2	µg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.52	—	—	0.1	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.48	—	—	0.1	µg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
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	11/17/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	1.01E-09	0.00569	0.0235	—	pCi/L	Y	U	U	2016-364	CASA-16-106243	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	0.0449	—	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	0.0266	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00382	0.026	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0111	0.0056	0.037	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.002	0.031	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	11/17/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00201	0.00667	0.0452	—	pCi/L	Y	U	U	2016-364	CASA-16-106243	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	0.0662	—	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	0.0442	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0054	0.0431	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00556	0.0056	0.038	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00197	0.0044	0.029	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.08	—	—	0.05	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.94	—	—	0.05	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.95	—	—	0.05	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.99	—	—	0.05	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	11/14/12	WG	UF	INIT	REG</																

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	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.8	—	—	0.1	mg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.34	1.21	5.49	—	pCi/L	Y	U	U	2016-364	CASA-16-106243	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	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND_C	Y	176	—	—	3.63	µS/cm	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND_C	Y	180	—	—	3.63	µS/cm	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND_C	Y	177	—	—	3.63	µS/cm	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND_C	Y	178	—	—	3.63	µS/cm	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND_C	Y	171	—	—	3.63	µS/cm	Y	—	NQ	2015-251	CASA-15-90260	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	59.8	—	—	1	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	63.1	—	—	1	µg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	63.1	—	—	1	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	60.2	—	—	1	µg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.185	0.0716	0.372	—	pCi/L	Y	U	U	2016-364	CASA-16-106243	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	0.229	—	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	0.475	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0566	0.12	0.481	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.185	0.086	0.41	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.327	0.15	0.47	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.18	—	—	0.133	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.35	—	—	0.133	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.06	—	—	0.133	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.88	—	—	0.133	mg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	216	—	—	3.4	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	3.4	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	3.4	mg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	11.963	2.002	2.28	—	pCi/L	Y	—	NQ	2016-378	CASA-16-106243	ARSL
R-36	766.9	11/06/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	16.052	2.604	2.364	—	pCi/L	Y	—	NQ	2015-311	CASA-1	

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:ISOU	Uranium-234	U-234	Y	0.241	0.0291	0.0635	—	pCi/L	Y	—	NQ	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.268	0.041	0.14	—	pCi/L	Y	—	NQ	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.261	0.03	0.034	—	pCi/L	Y	—	NQ	10-3152	CASA-10-16793	GELC
R-36	766.9	11/17/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00789	0.0112	0.0909	—	pCi/L	Y	U	U	2016-364	CASA-16-106243	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	0.0575	—	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	0.0392	—	pCi/L	Y	U	U	2013-322	CASA-13-24212	GELC
R-36	766.9	11/14/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0102	0.00896	0.0397	—	pCi/L	Y	U	U	2013-322	CASA-13-24206	GELC
R-36	766.9	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0059	0.065	—	pCi/L	Y	U	U	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0127	0.0068	0.031	—	pCi/L	Y	U	U	10-3152	CASA-10-16793	GELC
R-36	766.9	11/17/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.118	0.0209	0.103	—	pCi/L	Y	—	NQ	2016-364	CASA-16-106243	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	0.0633	—	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	0.0426	—	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	0.0431	—	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	0.083	—	pCi/L	Y	—	NQ	10-3651	CASA-10-22702	GELC
R-36	766.9	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.105	0.017	0.031	—	pCi/L	Y	—	NQ	10-3152	CASA-10-16793	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.9	—	—	1	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.9	—	—	1	µg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.3	—	—	1	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.9	—	—	1	µg/L	Y	—	NQ	2015-792	CASA-15-92521	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	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	36.6	—	—	3.3	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	36.5	—	—	3.3	µg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	38	—	—	3.3	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	45.2	—	—	3.3	µg/L	Y	—	NQ	2015-792	CASA-15-92521	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-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.49	—	—	0.01	SU	Y	H	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	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	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	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	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	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	2015-837	CAMO-15-92500	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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.8	—	—	0.725	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.2	—	—	0.725	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.5	—	—	0.725	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69	—	—	0.725	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	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	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241</td													

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	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.7	—	—	15	µg/L	Y	J	J	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.6	—	—	15	µg/L	Y	J	J	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.2	—	—	15	µg/L	Y	J	J	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2015-837	CAMO-15-92500	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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.27	—	—	0.067	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.282	—	—	0.067	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.248	—	—	0.067	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.259	—	—	0.067	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	55.1	—	—	0.05	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	56.9	—	—	0.05	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	54.3	—	—	0.05	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	50.1	—	—	0.05	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.816	1.43	4.21	—	pCi/L	Y	U	U	2016-350	CAMO-16-106104	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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	45.7	—	—	0.67	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	47.4	—	—	0.67	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	45.2	—	—	0.67	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.7	—	—	0.67	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	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
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	821	—	—	2	µg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	835	—	—	2	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	853	—	—	2	µg/L	Y	—	J+	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	915	—	—	2	µg/L	Y	—	NQ	2015-837	CAMO-15-92500	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.363	1.23	4.78	—	pCi/L	Y	U	U	2016-350	CAMO-16-106104	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	11/16/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00715	—	—	0.00167	mg/L	Y	—	NQ	2016		

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	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.38	1.1	2.69	—	pCi/L	Y	—	NQ	2016-350	CAMO-16-106104	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	11/16/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	201	—	—	0.453	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	208	—	—	0.453	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	198	—	—	0.453	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	184	—	—	0.453	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	15.5	—	—	0.11	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.1	—	—	0.11	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	15.2	—	—	0.11	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	14.3	—	—	0.11	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.632	—	—	0.165	µg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.529	—	—	0.165	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.545	—	—	0.165	µg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.476	—	—	0.165	µg/L	Y	J	J	2015-837	CAMO-15-92500	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.13	2.36	7.72	—	pCi/L	Y	U	U	2016-350	CAMO-16-106104	GELC
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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	26	—	—	0.5	µg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	30.1	—	—	0.5	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	27.8	—	—	0.5	µg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	34	—	—	0.5	µg/L	Y	—	NQ	2015-837	CAMO-15-92500	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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.37	—	—	0.17	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.75	—	—	0.17	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.54	—	—	0.17	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.95	—	—	0.085	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	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	—	—								

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	10/31/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00511	0.0577	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00258	0.00578	0.0311	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00238	0.0041	0.032	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.2	—	—	0.05	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.52	—	—	0.05	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.32	—	—	0.05	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.25	—	—	0.05	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.26	11.7	49.5	—	pCi/L	Y	U	U	2016-350	CAMO-16-106104	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.4	—	—	0.053	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.9	—	—	0.053	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.4	—	—	0.053	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	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
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.8	—	—	0.1	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.4	—	—	0.1	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.3	—	—	0.1	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.123	1.19	4.49	—	pCi/L	Y	U	U	2016-350	CAMO-16-106104	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	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	530	—	—	1	µS/cm	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	486	—	—	3.63	µS/cm	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	3.63	µS/cm	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	481	—	—	3.63	µS/cm	Y	—	NQ	2015-837	CAMO-15-92500	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	201	—	—	1	µg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	220	—	—	1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	196	—	—	1	µg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Str													

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	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.65	—	—	2.5	µg/L	Y	J	J	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-837	CAMO-15-92500	GELC
R-42	931.8	11/14/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-326	CAMO-15-90232	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	389	—	—	3.4	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	376	—	—	3.4	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	363	—	—	3.4	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	394	—	—	3.4	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	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	11/16/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.9	—	—	0.33	mg/L	Y	J	J	2016-350	CAMO-16-106104	GELC
R-42	931.8	08/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.864	—	—	0.33	mg/L	Y	J	J	2015-2151	CAMO-15-102583	GELC
R-42	931.8	05/08/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.82	—	—	0.33	mg/L	Y	J	J	2015-1179	CAMO-15-95782	GELC
R-42	931.8	02/26/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.07	—	—	0.33	mg/L	Y	—	NQ	2015-837	CAMO-15-92484	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	11/16/15	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	201	56.4	167	—	pCi/L	Y	—	NQ	2016-350	CAMO-16-106104	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	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.02	—	—	0.067	µg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.03	—	—	0.067	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.92	—	—	0.067	µg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.952	—	—	0.067	µg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
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	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.813	0.0407	0.0647	—	pCi/L	Y	—	NQ	2016-350	CAMO-16-106104	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	0.0486	—	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	0.0704	—	pCi/L	Y	—	NQ	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.591	0.0387	0.0609	—	pCi/L	Y	—	NQ	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.544	0.053	0.062	—	pCi/L	Y	—	NQ	10-3667	CAMO-10-22891	GELC
R-42	931.8	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0171	0.00813	0.0565	—	pCi/L	Y	U	U	2016-350	CAMO-16-106104	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	0.0423	—	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	0.044	—	pCi/L	Y	U	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0197	0.00845	0.0393	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00899	0.0052	0.038	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	11/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.343	0.0265	0.0639	—	pCi/L	Y	—	NQ	2016-350	CAMO-16-106104	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	0.0465	—	pCi/L	Y	—	J	2015-326	CAMO-15-90215	GELC
R-4																						

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	11/18/15	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	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	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	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	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	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	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	2015-847	CASA-15-92522	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	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	44.5	—	—	0.725	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	42	—	—	0.725	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	40.9	—	—	0.725	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	39.5	—	—	0.725	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	11/21/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	40.2	—	—	0.725	mg/L	Y	—	NQ	2015-415	CASA-15-90261	GELC
R-43 S1	903.9	11/18/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-3.76E-09	0.0112	0.0339	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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	0.0459	—	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:AM-241	Americium-241	Am-241	N	0.0062	0.00677	0.0254	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0128	0.00904	0.0438	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00121	0.003	0.04	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0871	—	—	0.017	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0535	—	—	0.017	mg/L	Y	—	U	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.094	—	—	0.017	mg/L	Y	—	U	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0534	—	—	0.017	mg/L	Y	—	J	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	11/21/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	UJ	2015-415	CASA-15-90261	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.74	—	—	1.7	µg/L	Y	J	J	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.91	—	—	1.7	µg/L	Y	J	J	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	11/21/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-415	CASA-15-90261	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.4	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.1	—	—	1	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.1	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	Y	4.38	—	—	3	µg/L	Y	J	J	2016-375	CASA-16-106244	GELC
R-43 S1	903.9	11/19/13	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	20	—	—	6	µg/L	Y	U	U	2014-2514	CASA-14-45708	GELC
R-43 S1	903.9	11/15/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.1	—	—	6.3	µg/L	Y	U	U	12-345	CASA-12-1391	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.1	—	—	6.3	µg/L	Y	U	U	10-3716	CASA-10-22705	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	25	—	—	7.5	µg/L	Y	U	U	10-1596	CASA-10-9484	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT</																	

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.8	—	—	0.05	mg/L	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.403	1.69	5.59	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.35	—	—	0.067	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.59	—	—	0.067	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.53	—	—	0.067	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.8	—	—	0.067	mg/L	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	134	—	—	2	µg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	146	—	—	2	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	127	—	—	2	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	126	—	—	2	µg/L	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.303	1.35	5.5	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.324	—	—	0.033	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.367	—	—	0.033	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.344	—	—	0.033	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.353	—	—	0.033	mg/L	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.588	0.573	2.88	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.41	0.937	2.86	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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</td					

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	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.09	—	—	0.165	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1	—	—	0.165	µg/L	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.258	3.05	10.9	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.09	—	—	0.5	µg/L	Y	J	J	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.41	—	—	0.5	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.651	—	—	0.5	µg/L	Y	J	J	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.81	—	—	0.5	µg/L	Y	J	J	2015-847	CASA-15-92522	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	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.61	—	—	0.17	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.4	—	—	0.085	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.42	—	—	0.17	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.98	—	—	0.17	mg/L	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.952	—	—	0.1	µg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.877	—	—	0.05	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.966	—	—	0.05	µg/L	Y	—	J	2015-847	CASA-15-92522	GELC
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	11/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00189	0.00567	0.0221	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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	0.0285	—	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	0.0276	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00486	0.0134	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0114	0.0094	0.03	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	11/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00944	0.005	0.0425	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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	0.0421	—	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	0.0456	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00198	0.00525	0.0239	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00227	0.0068	0.031	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.21	—	—	0.05	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15																				

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	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.2	—	—	0.053	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.7	—	—	0.053	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.7	—	—	0.053	mg/L	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.91	—	—	0.1	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.34	1.39	5.61	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	178	—	—	3.63	µS/cm	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	µS/cm	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	182	—	—	3.63	µS/cm	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	3.63	µS/cm	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	73	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	71.1	—	—	1	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	67.4	—	—	1	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	76.5	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.142	0.139	0.481	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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	0.442	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0796	0.146	0.494	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.111	0.13	0.48	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.2	—	—	0.133	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.9	—	—	0.133	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.2	—	—	0.133	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15	—	—	0.133	mg/L	Y	—	NQ	2015-847	CASA-15-92522	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	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	201	—	—	3.4	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	211	—	—	3.4	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Diss													

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	11/18/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.007	0.815	2.438	—	pCi/L	Y	U	U	2016-378	CASA-16-106244	ARSL
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	1.941	—	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.124	—	—	0.067	µg/L	Y	J	J	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.133	—	—	0.067	µg/L	Y	J	J	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.096	—	—	0.067	µg/L	Y	J	J	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.103	—	—	0.067	µg/L	Y	J	J	2015-847	CASA-15-92522	GELC
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	11/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.112	0.0172	0.0703	—	pCi/L	Y	—	NQ	2016-375	CASA-16-106244	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	0.0402	—	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	0.0669	—	pCi/L	Y	—	J	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0962	0.0227	0.0902	—	pCi/L	Y	—	NQ	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0578	0.011	0.043	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	11/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00266	0.00461	0.0613	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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	0.035	—	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	0.042	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.00933	0.0582	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0102	0.0055	0.026	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	11/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0624	0.0124	0.0694	—	pCi/L	Y	U	U	2016-375	CASA-16-106244	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	0.0385	—	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	0.0455	—	pCi/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.054	0.0151	0.0458	—	pCi/L	Y	—	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0398	0.0095	0.03	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.04	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.3	—	—	1	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.45	—	—	1	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.73	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92522	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 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.48	—	—	0.01	SU	Y	H	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.43	—	—	0.01	SU	Y	H	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.48	—	—	0.01	SU	Y	H	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	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	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.61	—	—	0.01	SU	Y	H	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	11/21/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution</td													

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	11/21/14	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	0.0254	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00384	0.00719	0.0263	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00526	0.0072	0.037	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0575	—	—	0.017	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.11	—	—	0.017	mg/L	Y	—	J	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0763	—	—	0.017	mg/L	Y	—	U	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0401	—	—	0.017	mg/L	Y	J	U	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0456	—	—	0.017	mg/L	Y	J	J	2015-847	CASA-15-92510	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.32	—	—	1.7	µg/L	Y	J	J	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.77	—	—	1.7	µg/L	Y	J	J	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.86	—	—	1.7	µg/L	Y	J	J	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	11/21/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-415	CASA-15-90262	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.1	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.5	—	—	1	µg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.3	—	—	1	µg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.7	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.9	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92510	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	32.5	—	—	15	µg/L	Y	J	J	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	38.3	—	—	15	µg/L	Y	J	J	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	36.7	—	—	15	µg/L	Y	J	J	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	31.1	—	—	15	µg/L	Y	J	J	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	31.6	—	—	15	µg/L	Y	J	J	2015-847	CASA-15-92510	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	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0742	—	—	0.067	mg/L	Y	J	J	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0804	—	—	0.067	mg/L	Y	J	J	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0775	—	—	0.067	mg/L	Y	J	J	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0757	—	—	0.067	mg/L	Y	J	J	2015-847	CASA-15-92510	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca												

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.95	—	—	0.067	mg/L	Y	—	NQ	2015-847	CASA-15-92510	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	9.29	—	—	2	µg/L	Y	J	J	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	8.13	—	—	2	µg/L	Y	J	U	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	9.25	—	—	2	µg/L	Y	J	J	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	9.42	—	—	2	µg/L	Y	J	J	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	9.57	—	—	2	µg/L	Y	J	J	2015-847	CASA-15-92510	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.735	1.13	4.26	—	pCi/L	Y	U	U	2016-375	CASA-16-106245	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	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.266	—	—	0.066	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.312	—	—	0.033	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.314	—	—	0.033	mg/L	Y	—	NQ	2015-847	CASA-15-92510	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.375	0.79	2.98	—	pCi/L	Y	U	U	2016-375	CASA-16-106245	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.868	0.71	2.94	—	pCi/L	Y	U	U	2016-375	CASA-16-106245	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	11/18/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.3	—	—	0.453	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.453	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.3	—	—	0.453	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.8	—	—	0.453	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.2	—	—	0.453	mg/L	Y	—	NQ	2015-847	CASA-15-92510	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.49	—	—	0.11	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.52	—	—	0.11	mg/L	Y	—	NQ	2015-2191	CASA-15	

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	11/07/12	WG	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	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.08	—	—	0.085	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.28	—	—	0.085	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.12	—	—	0.17	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.03	—	—	0.085	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.29	—	—	0.085	mg/L	Y	—	NQ	2015-847	CASA-15-92510	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	11/18/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.853	—	—	0.05	µg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.751	—	—	0.05	µg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.826	—	—	0.05	µg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.787	—	—	0.05	µg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.742	—	—	0.05	µg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	11/21/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.616	—	—	0.05	µg/L	Y	—	NQ	2015-415	CASA-15-90262	GELC
R-43 S2	969.1	11/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00843	0.00667	0.0247	—	pCi/L	Y	U	U	2016-375	CASA-16-106245	GELC
R-43 S2	969.1	11/21/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-7.07E-10	0.00519	0.0284	—	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	0.0232	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00653	0.0179	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00187	0.0032	0.025	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	11/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00421	0.00666	0.0474	—	pCi/L	Y	U	U	2016-375	CASA-16-106245	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	0.0419	—	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	0.0383	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00799	0.00596	0.0321	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0131	0.0062	0.025	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.33	—	—	0.05	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.48	—	—	0.05	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	2015-847	CASA-15-92510	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-2.73	16.2	60.1	—	pCi/L	Y	U	U	2016-375	CASA-16-106245	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</																						

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	11/21/14	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	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	182	—	—	3.63	µS/cm	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	196	—	—	1	µS/cm	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	—	—	3.63	µS/cm	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	3.63	µS/cm	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	3.63	µS/cm	Y	—	NQ	2015-847	CASA-15-92510	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	93.6	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	96.8	—	—	1	µg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	99.2	—	—	1	µg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	105	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92510	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	11/18/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.187	0.123	0.496	—	pCi/L	Y	U	U	2016-375	CASA-16-106245	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	0.495	—	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	0.463	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.27	0.131	0.495	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.186	0.14	0.48	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(2-)	Y	7.43	—	—	0.133	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(2-)	Y	5.87	—	—	0.133	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(2-)	Y	7.11	—	—	0.133	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(2-)	Y	6.71	—	—	0.133	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(2-)	Y	6.72	—	—	0.133	mg/L	Y	—	NQ	2015-847	CASA-15-92510	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	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	217	—	—	3.4	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	174	—	—	3.4	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	95.7	—	—	3.4	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	80	—	—	3.4	mg/L	Y	—	NQ	2015-847	CASA-15-92510	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	11/18/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.538	—	—	0.33	mg/L	Y	J	J	2016-375	CASA-16-106245	GELC
R-43 S2	969.1	08/18/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.21	—	—	0.33	mg/L	Y	—	NQ	2015-2191	CASA-15-102640	GELC
R-43 S2	969.1	05/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.76	—	—	0.33	mg/L	Y	—	J-	2015-1227	CASA-15-95823	GELC
R-43 S2	969.1	03/02/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.62										

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.607	—	—	0.067	µg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
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	11/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.493	0.034	0.0732	—	pCi/L	Y	—	NQ	2016-375	CASA-16-106245	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	0.0393	—	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	0.0702	—	pCi/L	Y	—	NQ	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.803	0.0537	0.0889	—	pCi/L	Y	—	NQ	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.12	0.089	0.045	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	11/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0111	0.00876	0.0638	—	pCi/L	Y	U	U	2016-375	CASA-16-106245	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	0.0343	—	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	0.0439	—	pCi/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0123	0.0136	0.0574	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0756	0.014	0.027	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	11/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.256	0.0243	0.0723	—	pCi/L	Y	—	NQ	2016-375	CASA-16-106245	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	0.0377	—	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	0.0477	—	pCi/L	Y	—	NQ	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.309	0.0328	0.0451	—	pCi/L	Y	—	NQ	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.446	0.042	0.031	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.3	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.39	—	—	1	µg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.95	—	—	1	µg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.88	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.89	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92510	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-44 S1	895	11/12/15	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	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	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	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	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	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	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	2015-797	CAMO-15-92501	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
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.3	—	—	0.725	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.3	—	—	0.725	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55	—	—	0.725	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.5	—	—	0.725	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	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	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00307	0.00922	0.0415	—	pCi/L	Y	U	U	2016-334	CAMO-16-106105	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	0.047	—	pCi/L	Y	U	U	2015-238	CAMO-15-90216	GELC
R-44 S																						

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	11/05/14	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.41	—	—	0.067	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.42	—	—	0.067	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.42	—	—	0.067	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.43	—	—	0.067	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16	—	—	2	µg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	15.6	—	—	2	µg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16.9	—	—	2	µg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	17	—	—	2	µg/L	Y	—	NQ	2015-797	CAMO-15-92501	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.74	1.29	5.35	—	pCi/L	Y	U	U	2016-334	CAMO-16-106105	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.25	—	—	0.033	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.295	—	—	0.033	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.276	—	—	0.033	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.944	0.485	2.39	—	pCi/L	Y	U	U	2016-334	CAMO-16-106105	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.35	1.02	2.94	—	pCi/L	Y	—	NQ	2016-334	CAMO-16-106105	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
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	11/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.3	—	—	0.453	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.4	—	—	0.453	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.4	—	—	0.453	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.9	2.45	9.33	—	pCi/L	Y	U	U	2016-334	CAMO-16-106105	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.14	—	—	0.085	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.19	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.017	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.15	—	—	0.017	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	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	11/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.441	—	—	0.05	µg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.435	—	—	0.05	µg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.437	—	—	0.05	µg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.409	—	—	0.05	µg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	11/05/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.437	—	—	0.05	µg/L	Y	—	NQ	2015-238	CAMO-15-90233	GELC
R-44 S1	895	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	1.19E-09	0.00672	0.0278	—	pCi/L	Y	U	U	2016-334	CAMO-16-106105	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	0.0333	—	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	0.0317	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00217	0.0031	0.029	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00209	0.0021	0.033	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00475	0.00751	0.0534	—	pCi/L	Y	U	U	2016-334	CAMO-16-106105	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	0.0491	—	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	0.0527	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00217	0.0038	0.029	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00209	0.0036	0.031	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.22	—	—	0.05	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.07	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.12	—	—	0.05	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.14	—	—	0.05	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	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
R-44 S1	895	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.6	15.8	60.3	—	pCi/L	Y	U	U	2016-334	CAMO-16-106105	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	11/12/15	WG	F	INIT	REG	IN															

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	EPA: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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	143	—	—	1	µS/cm	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	3.63	µS/cm	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	3.63	µS/cm	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	130	—	—	3.63	µS/cm	Y	—	NQ	2015-797	CAMO-15-92501	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.1	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.5	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.7	—	—	1	µg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.1	—	—	1	µg/L	Y	—	NQ	2015-797	CAMO-15-92501	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.3	0.116	0.483	—	pCi/L	Y	U	U	2016-334	CAMO-16-106105	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	0.496	—	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	0.493	—	pCi/L	Y	U	U	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.246	0.14	0.47	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.417	0.16	0.49	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.43	—	—	0.133	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.56	—	—	0.133	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.38	—	—	0.133	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.45	—	—	0.133	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	110	—	—	3.4	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	82.9	—	—	3.4	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0215	—	—	0.017	mg/L	Y	J	J	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0913	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0589	—	—	0.017	mg/L	Y	—	U	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0294	—	—	0.017	mg/L	Y	J	U	2015-797	CAMO-15-92501	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	11/12/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.852	0.786	2.579	—	pCi/L	Y	U	U	2016-379	CAMO-16-106105	ARSL
R-44 S1	895	11/05/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.221	0.852	2.158	—	pCi/L	Y	—	NQ	2015-313	CAMO-15-90216	ARSL
R-44 S1	895	11/06/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.822	0.655	2.131	—	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	2.843	—	pCi/L	Y	U	U	2013-313	CAMO-13-24245	ARSL
R-44 S1	895	11/17/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.62	0.73	2.4	—	pCi/L	Y	U	U	12-436	CAMO-12-1500	ARSL
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.411	—	—	0.067							

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	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0098	0.0057	0.041	—	pCi/L	Y	U	U	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00768	0.0055	0.046	—	pCi/L	Y	U	U	10-3025	CAMO-10-16840	GELC
R-44 S1	895	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.128	0.0188	0.0859	—	pCi/L	Y	—	NQ	2016-334	CAMO-16-106105	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	0.0471	—	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	0.0528	—	pCi/L	Y	—	J	2013-307	CAMO-13-24245	GELC
R-44 S1	895	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.137	0.021	0.047	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22866	GELC
R-44 S1	895	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.103	0.02	0.047	—	pCi/L	Y	—	NQ	10-3025	CAMO-10-16840	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.23	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.6	—	—	1	µg/L	Y	J	J	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.7	—	—	1	µg/L	Y	J	J	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.99	—	—	1	µg/L	Y	J	J	2015-797	CAMO-15-92501	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 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	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	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	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	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.4	—	—	0.725	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.2	—	—	0.725	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.8	—	—	0.725	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.5	—	—	0.725	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0047	0.00743	0.0317	—	pCi/L	Y	U	U	2016-334	CAMO-16-106106	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	0.0647	—	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	0.0369	—	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	0.032	—	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	0.032	—	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	0.021	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00682	0.0032	0.02	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.6	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.1	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22	—	—	1	µg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.8	—	—	1	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	16	—	—	15	µg/L	Y	J	J	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-														

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	05/04/10	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.45	—	—	0.067	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.37	—	—	0.067	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.3	—	—	0.067	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.4	—	—	0.067	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	9.63	—	—	2	µg/L	Y	J	J	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.72	—	—	2	µg/L	Y	J	J	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.14	—	—	2	µg/L	Y	J	J	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.76	—	—	2	µg/L	Y	J	J	2015-797	CAMO-15-92502	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.62	1.34	4.55	—	pCi/L	Y	U	U	2016-334	CAMO-16-106106	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.357	—	—	0.033	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.316	—	—	0.033	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.34	—	—	0.033	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.58	0.739	2.67	—	pCi/L	Y	U	U	2016-334	CAMO-16-106106	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.06	0.922	2.75	—	pCi/L	Y	—	NQ	2016-334	CAMO-16-106106	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	10-30		

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.775	—	—	0.165	µg/L	Y	—	U	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.704	—	—	0.165	µg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.773	—	—	0.165	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.47	2.58	8.85	—	pCi/L	Y	U	U	2016-334	CAMO-16-106106	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.767	—	—	0.017	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.769	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.915	—	—	0.017	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.714	—	—	0.017	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.374	—	—	0.05	µg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.358	—	—	0.05	µg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.354	—	—	0.05	µg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.356	—	—	0.05	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	11/05/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.354	—	—	0.05	µg/L	Y	—	NQ	2015-238	CAMO-15-90234	GELC
R-44 S2	985.3	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00401	0.00401	0.0234	—	pCi/L	Y	U	U	2016-334	CAMO-16-106106	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	0.0396	—	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	0.0218	—	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	0.029	—	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	0.035	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-5.32E-10	0.0045	0.035	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.012	0.00633	0.045	—	pCi/L	Y	U	U	2016-334	CAMO-16-106106	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	0.0584	—	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	0.0362	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0112	0.005	0.03	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00217	0.0031	0.029	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00669	0.0086	0.033	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240												

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	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.6	—	—	0.053	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.52	—	—	0.1	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.68	—	—	0.1	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.68	1.33	4.5	—	pCi/L	Y	U	U	2016-334	CAMO-16-106106	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	151	—	—	1	µS/cm	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	3.63	µS/cm	Y	—	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	58.1	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.6	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	52.2	—	—	1	µg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.6	—	—	1	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.126	0.137	0.48	—	pCi/L	Y	U	U	2016-334	CAMO-16-106106	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	0.488	—	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	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.97	—	—	0.133	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.95	—	—	0.133	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.67	—	—	0.133	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.81	—	—	0.133	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	11/05/14	WG	F																		

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	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.305	0.628	2.155	—	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.488	—	—	0.067	µg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.45	—	—	0.067	µg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.474	—	—	0.067	µg/L	Y	—	J	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.497	—	—	0.067	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
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	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.392	0.0317	0.0796	—	pCi/L	Y	—	NQ	2016-334	CAMO-16-106106	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	0.0485	—	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	0.0551	—	pCi/L	Y	—	NQ	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.347	0.039	0.064	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.415	0.046	0.073	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.391	0.046	0.051	—	pCi/L	Y	—	NQ	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.426	0.049	0.053	—	pCi/L	Y	—	NQ	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0241	0.0113	0.0694	—	pCi/L	Y	U	U	2016-334	CAMO-16-106106	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	0.0423	—	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	0.0344	—	pCi/L	Y	U	U	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0246	0.0089	0.039	—	pCi/L	Y	U	U	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0176	0.008	0.044	—	pCi/L	Y	U	U	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0117	0.0068	0.047	—	pCi/L	Y	U	U	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0319	0.012	0.048	—	pCi/L	Y	U	U	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	11/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.2	0.0223	0.0786	—	pCi/L	Y	—	NQ	2016-334	CAMO-16-106106	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	0.0465	—	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	0.0374	—	pCi/L	Y	—	NQ	2013-307	CAMO-13-24246	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.258	0.032	0.044	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22871	GELC
R-44 S2	985.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.222	0.03	0.051	—	pCi/L	Y	—	NQ	10-3703	CAMO-10-22868	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.161	0.026	0.047	—	pCi/L	Y	—	NQ	10-3025	CAMO-10-16843	GELC
R-44 S2	985.3	05/04/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.242	0.033	0.048	—	pCi/L	Y	—	NQ	10-3025	CAMO-10-16847	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.06	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.76	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.93	—	—	1	µg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.73	—	—	1	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	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	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.16	—	—	3.3	µg/L	Y	J	J	2016-334	CAMO-16-106127</	

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	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00619	0.00744	0.0278	—	pCi/L	Y	U	U	2016-316	CAMO-16-106107	GELC
R-45 S1	880	11/05/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-2.02E-09	0.00957	0.0632	—	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	0.0261	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00669	0.0037	0.038	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00531	0.0035	0.028	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.4	—	—	1	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.9	—	—	1	µg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.3	—	—	1	µg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.3	—	—	1	µg/L	Y	—	NQ	2015-801	CAMO-15-92503	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17	—	—	15	µg/L	Y	J	J	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.4	—	—	15	µg/L	Y	J	J	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.3	—	—	15	µg/L	Y	J	J	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	16.7	—	—	15	µg/L	Y	J	J	2015-801	CAMO-15-92503	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0715	—	—	0.067	mg/L	Y	J	J	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-801	CAMO-15-92503	GELC
R-45 S1	880	11/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-239	CAMO-15-90235	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.1	—	—	0.05	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.4	—	—	0.05	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.667	1.66	6.1	—	pCi/L	Y	U	U	2016-316	CAMO-16-106107	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.91	—	—	0.067	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.77	—	—	0.067	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.79	—	—	0.067	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.69	—	—	0.067	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	37.8	—	—	2	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y											

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	11/05/14	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.914	0.583	2.88	—	pCi/L	Y	U	U	2016-316	CAMO-16-106107	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.3	0.886	2.8	—	pCi/L	Y	U	U	2016-316	CAMO-16-106107	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	11/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	69.9	—	—	0.453	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.6	—	—	0.453	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.7	—	—	0.453	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.4	—	—	0.453	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	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
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.4	—	—	0.11	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.26	—	—	0.11	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.76	—	—	0.11	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.04	—	—	0.11	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.714	—	—	0.165	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.789	—	—	0.165	µg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.767	—	—	0.165	µg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.663	—	—	0.165	µg/L	Y	—	NQ	2015-801	CAMO-15-92503	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.53	2.94	10.8	—	pCi/L	Y	U	U	2016-316	CAMO-16-106107	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.86	—	—	0.17	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.75	—	—	0.085	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.93	—	—	0.085	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.47	—	—	0.085	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	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	11/11/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.633										

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0034	0.032	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00391	0.0068	0.029	—	pCi/L	Y	U	U	10-3165	CAMO-10-16825	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.39	—	—	0.05	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.26	—	—	0.05	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.31	—	—	0.05	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.29	—	—	0.05	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	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
R-45 S1	880	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.873	15.6	63.5	—	pCi/L	Y	U	U	2016-316	CAMO-16-106107	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.5	—	—	0.053	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	E	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.126	1.57	5.97	—	pCi/L	Y	U	U	2016-316	CAMO-16-106107	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND	Y	202	—	—	1	µS/cm	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND	Y	173	—	—	3.63	µS/cm	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND	Y	166	—	—	3.63	µS/cm	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND	Y	176	—	—	3.63	µS/cm	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	11/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_COND	Y	167	—	—	3.63	µS/cm	Y	—	NQ	2015-239	CAMO-15-90235	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	79.3	—	—	1	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	76.1	—	—	1	µg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	78.8	—	—	1	µg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	74.9	—	—	1	µg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	11/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	80.8										

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	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	106	—	—	3.4	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	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	11/11/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0404	—	—	0.033	mg/L	Y	J	J	2016-316	CAMO-16-106107	GELC
R-45 S1	880	08/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0654	—	—	0.033	mg/L	Y	J	U	2015-2043	CAMO-15-102586	GELC
R-45 S1	880	05/04/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	2015-1148	CAMO-15-95785	GELC
R-45 S1	880	02/18/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0483	—	—	0.033	mg/L	Y	J	U	2015-801	CAMO-15-92487	GELC
R-45 S1	880	11/05/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-239	CAMO-15-90218	GELC
R-45 S1	880	11/11/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.427	—	—	0.33	mg/L	Y	J	J	2016-316	CAMO-16-106107	GELC
R-45 S1	880	08/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.562	—	—	0.33	mg/L	Y	J	J	2015-2043	CAMO-15-102586	GELC
R-45 S1	880	05/04/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.537	—	—	0.33	mg/L	Y	J	J	2015-1148	CAMO-15-95785	GELC
R-45 S1	880	02/18/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.493	—	—	0.33	mg/L	Y	J	J	2015-801	CAMO-15-92487	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	11/11/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	5.291	1.12	2.329	—	pCi/L	Y	—	NQ	2016-321	CAMO-16-106107	ARSL
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
R-45 S1	880	11/06/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.492	0.684	2.097	—	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	1.959	—	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.759	—	—	0.067	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.758	—	—	0.067	µg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.733	—	—	0.067	µg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.661	—	—	0.067	µg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
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	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.484	0.0296	0.0571	—	pCi/L	Y	—	NQ	2016-316	CAMO-16-106107	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	0.0533	—	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	0.0617	—	pCi/L	Y	—	NQ	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.541	0.056	0.079	—	pCi/L	Y	—	NQ	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.921	0.077	0.031	—	pCi/L	Y	—	NQ	10-3165	CAMO-10-16825	GELC
R-45 S1	880	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0259	0.00808	0.0498	—	pCi/L	Y	U	U	2016-316	CAMO-16-106107	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	0.0464	—	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	0.0388	—	pCi/L	Y	U	U	2013-276	CAMO-13-24247	GELC
R-45 S1	880	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0228	0.0094	0.048	—	pCi/L	Y	U	U	10-3567	CAMO-10-22877	GELC
R-45 S1	880	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0472	0.011	0.029	—	pCi/L	Y	—	NQ	10-3165	CAMO-10-16825	GELC
R-45 S1	880	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.248	0.0211	0.0563	—	pCi/L	Y	—	NQ	2016-316	CAMO-16-106107	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	0.051	—	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	0.042								

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	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.28	—	—	0.01	SU	Y	H	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	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	2015-804	CAMO-15-92504	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	73.3	—	—	0.725	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	70.7	—	—	0.725	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	73.3	—	—	0.725	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	73	—	—	0.725	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	11/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	72.5	—	—	0.725	mg/L	Y	—	NQ	2015-239	CAMO-15-90236	GELC
R-45 S2	974.9	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00184	0.00553	0.0249	—	pCi/L	Y	U	U	2016-318	CAMO-16-106108	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	0.0613	—	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	0.0256	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00515	0.0072	0.035	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00834	0.0038	0.023	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.7	—	—	1	µg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.1	—	—	1	µg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29	—	—	1	µg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.7	—	—	1	µg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.4	—	—	15	µg/L	Y	J	J	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22	—	—	15	µg/L	Y	J	J	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	35.7	—	—	15	µg/L	Y	J	J	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.1	—	—	15	µg/L	Y	J	J	2015-804	CAMO-15-92504	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.5	—	—	0.05	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.2	—	—	0.05	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.58	1.56	6.55	—	pCi/L	Y	U	U	2016-318	CAMO-16-106108	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.92	—	—	0.067	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG</																

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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.376	—	—	0.033	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.34	—	—	0.033	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.351	—	—	0.033	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.349	—	—	0.033	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.283	0.771	2.94	—	pCi/L	Y	U	U	2016-318	CAMO-16-106108	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.33	0.95	2.91	—	pCi/L	Y	—	NQ	2016-318	CAMO-16-106108	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	11/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.2	—	—	0.453	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.5	—	—	0.453	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.6	—	—	0.453	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.7	—	—	0.453	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	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
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.22	—	—	0.11	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.2	—	—	0.11	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.74	—	—	0.11	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.16	—	—	0.11	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.971	—	—	0.165	µg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.866	—	—	0.165	µg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.894	—	—	0.165	µg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.923	—	—	0.165	µg/L	Y	—	NQ	2015-804	CAMO-15-92504	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.71	3.24	10.9	—	pCi/L	Y	U	U	2016-318	CAMO-16-106108	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.688	—	—	0.5	µg/L	Y	J	J	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6														

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	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.426	—	—	0.05	µg/L	Y	—	NQ	2015-239	CAMO-15-90236	GELC
R-45 S2	974.9	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00974	0.00911	0.0285	—	pCi/L	Y	U	U	2016-318	CAMO-16-106108	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	0.0329	—	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	0.0237	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.002	0.026	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0137	0.0094	0.031	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0073	0.00877	0.0547	—	pCi/L	Y	U	U	2016-318	CAMO-16-106108	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	0.0485	—	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	0.0392	—	pCi/L	Y	U	U	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00391	0.0039	0.027	—	pCi/L	Y	U	U	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00391	0.0048	0.029	—	pCi/L	Y	U	U	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.36	—	—	0.05	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.37	—	—	0.05	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8	16.7	63.3	—	pCi/L	Y	U	U	2016-318	CAMO-16-106108	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.4	—	—	0.053	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.5	—	—	0.053	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73	—	—	0.053	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.8	—	—	0.053	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	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	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	E	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	E	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	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	11/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.478	1.55	6.09	—	pCi/L	Y	U	U	2016-318	CAMO-16-106108	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												

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	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.59	—	—	0.133	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.32	—	—	0.133	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.3	—	—	0.133	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.43	—	—	0.133	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	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	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	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	11/11/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.377	—	—	0.33	mg/L	Y	J	J	2016-318	CAMO-16-106108	GELC
R-45 S2	974.9	08/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.436	—	—	0.33	mg/L	Y	J	J	2015-2043	CAMO-15-102587	GELC
R-45 S2	974.9	05/04/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.578	—	—	0.33	mg/L	Y	J	J	2015-1148	CAMO-15-95786	GELC
R-45 S2	974.9	02/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.474	—	—	0.33	mg/L	Y	J	J	2015-804	CAMO-15-92488	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	11/11/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.922	0.949	2.264	—	pCi/L	Y	—	NQ	2016-321	CAMO-16-106108	ARSL
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	2.217	—	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	2.189	—	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	2.102	—	pCi/L	Y	U	U	2013-291	CAMO-13-24248	ARSL
R-45 S2	974.9	11/16/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.53	0.73	2.42	—	pCi/L	Y	U	U	12-436	CAMO-12-1497	ARSL
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.732	—	—	0.067	µg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.688	—	—	0.067	µg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.694	—	—	0.067	µg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.682	—	—	0.067	µg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
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	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.519	0.034	0.0706	—	pCi/L	Y	—	NQ	2016-318	CAMO-16-106108	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	0.0474	—	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	0.0637	—	pCi/L	Y	—	NQ	2013-276	CAMO-13-24248	GELC
R-45 S2	974.9	07/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.435	0.05	0.082	—	pCi/L	Y	—	NQ	10-3567	CAMO-10-22874	GELC
R-45 S2	974.9	05/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.459	0.049	0.044	—	pCi/L	Y	—	NQ	10-3187	CAMO-10-16828	GELC
R-45 S2	974.9	11/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0401	0.0128	0.0616	—	pCi/L	Y	U	U	2016-318	CAMO-16-106108	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	0.0413	—	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	—</							

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	08/05/15	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	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	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	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	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	2015-819	CAMO-15-92505	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	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	158	—	—	0.725	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	158	—	—	0.725	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.7	—	—	0.725	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.6	—	—	0.725	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.5	—	—	0.725	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00648	0.00779	0.0292	—	pCi/L	Y	U	U	2016-302	CAMO-16-106069	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00758	0.00758	0.0341	—	pCi/L	Y	U	U	2016-302	CAMO-16-106110	GELC
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	0.0422	—	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	0.0212	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0136	0.00753	0.0266	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00616	0.0036	0.015	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.006	0.0035	0.015	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0546	—	—	0.017	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0718	—	—	0.017	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.108	—	—	0.017	mg/L	Y	—	J	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	11/14/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0296	—	—	0.017	mg/L	Y	J	U	2015-327	CAMO-15-90237	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	1.94	—	—	1.7	µg/L	Y	J	J	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.03	—	—	1.7	µg/L	Y	J	J	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.09	—	—	1.7	µg/L	Y	J	J	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	11/14/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-327	CAMO-15-90237	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.1	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.4	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.6	—	—	1	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18	—	—	1	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.9	—	—	1	µg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	15.4	—	—	15	µg						

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	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	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.33	—	—	0.067	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.26	—	—	0.067	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.13	—	—	0.067	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.12	—	—	0.067	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.64	—	—	0.067	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	93.9	—	—	2	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	95.7	—	—	2	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	103	—	—	2	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	114	—	—	2	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	117	—	—	2	µg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.11	1.34	4.48	—	pCi/L	Y	U	U	2016-302	CAMO-16-106069	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.676	1.51	5.56	—	pCi/L	Y	U	U	2016-302	CAMO-16-106110	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	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Copper	Cu	Y	3.55	—	—	3	µg/L	Y	U	J	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	11/14/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2015-327	CAMO-15-90237	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.31	—	—	0.033	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.287	—	—	0.033	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.255	—	—	0.033	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-1.24	0.602	3.15	—							

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	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	11/09/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.3	—	—	0.453	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.3	—	—	0.453	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.8	—	—	0.453	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.4	—	—	0.453	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.8	—	—	0.453	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.6	—	—	0.11	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.55	—	—	0.11	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.99	—	—	0.11	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.94	—	—	0.11	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.78	—	—	0.11	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.09	—	—	2	µg/L	Y	J	J	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.31	—	—	2	µg/L	Y	J	J	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	11/14/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2015-327	CAMO-15-90237	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.875	—	—	0.165	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.897	—	—	0.165	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.878	—	—	0.165	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.893	—	—	0.165	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.856	—	—	0.165	µg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.81	2.89	10.8	—	pCi/L	Y	U	U	2016-302	CAMO-16-106069	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.66	3.16	10.7	—	pCi/L	Y	U	U	2016-302	CAMO-16-106110	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	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.3	—	—	0.5	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.63	—	—	0.5	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.34	—	—	0.5	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.99	—	—	0.5	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni												

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	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.557	—	—	0.05	µg/L	Y	—	NQ	2015-327	CAMO-15-90237	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0129	0.00965	0.0252	—	pCi/L	Y	U	U	2016-302	CAMO-16-106069	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00846	0.00746	0.033	—	pCi/L	Y	U	U	2016-302	CAMO-16-106110	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	0.0435	—	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	0.0206	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00477	0.00477	0.016	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0113	0.0056	0.039	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0056	0.0056	0.048	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00863	0.0485	—	pCi/L	Y	U	U	2016-302	CAMO-16-106069	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0197	0.00935	0.0634	—	pCi/L	Y	U	U	2016-302	CAMO-16-106110	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	0.0641	—	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	0.0342	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00238	0.00715	0.0287	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00227	0.0039	0.056	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	6.67E-10	0.0069	0.069	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.34	—	—	0.05	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.52	—	—	0.05	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.52	—	—	0.05	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.52	—	—	0.05	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.48	—	—	0.05	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-8.71	17.1	65.3	—	pCi/L	Y	U	U	2016-302	CAMO-16-106069	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.46	18.7	70.8	—	pCi/L	Y	U	U	2016-302	CAMO-16-106110	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	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.8	—	—	0.053	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.4	—	—	0.053	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.8	—	—	0.053	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077																					

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	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	3.63	µS/cm	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	3.63	µS/cm	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	178	—	—	3.63	µS/cm	Y	—	NQ	2015-819	CAMO-15-92505	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
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	58.7	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	59.2	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	65.5	—	—	1	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	65.7	—	—	1	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	66.6	—	—	1	µg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0209	0.104	0.388	—	pCi/L	Y	U	U	2016-302	CAMO-16-106069	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00345	0.112	0.395	—	pCi/L	Y	U	U	2016-302	CAMO-16-106110	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	0.487	—	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	0.494	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0219	0.128	0.486	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0124	0.15	0.52	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.265	0.14	0.53	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.3	—	—	0.133	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.3	—	—	0.133	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.5	—	—	0.133	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.2	—	—	0.133	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.5	—	—	0.133	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	—	—	3.4	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	187	—	—	3.4	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	3.4	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	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	11/09/15	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	17.216	2.799	2.627	—	pCi/L	Y	—	J+	2016-321	CAMO-16-106069	ARSL
R-50 S1	1077	11/09/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	15.974	2.646	2.829	—	pCi/L	Y	—	J+	2016-321	CAMO-16-106110	ARSL
R-50 S1	1077	05/08/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	25.581	3.986	2.231	—	pCi/L	Y	—	NQ	2015-1205	CAMO-15-95788	ARSL
R-50 S1	1077	11/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	7.943	1.459	2.347	—	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	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U												

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	11/09/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0198	0.0109	0.065	—	pCi/L	Y	U	U	2016-302	CAMO-16-106069	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00942	0.0686	—	pCi/L	Y	U	U	2016-302	CAMO-16-106110	GELC
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	0.0479	—	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	0.0453	—	pCi/L	Y	U	U	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0141	0.00999	0.0493	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.011	0.0078	0.028	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0134	0.0068	0.034	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.19	0.0225	0.0777	—	pCi/L	Y	—	NQ	2016-302	CAMO-16-106110	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.173	0.0209	0.0736	—	pCi/L	Y	—	NQ	2016-302	CAMO-16-106069	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	0.0527	—	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	0.0493	—	pCi/L	Y	—	NQ	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.16	0.0221	0.0387	—	pCi/L	Y	—	NQ	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.195	0.026	0.035	—	pCi/L	Y	—	NQ	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.193	0.027	0.043	—	pCi/L	Y	—	NQ	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.94	—	—	1	µg/L	Y	J	J	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.05	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.95	—	—	1	µg/L	Y	J	J	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.75	—	—	1	µg/L	Y	J	J	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.93	—	—	1	µg/L	Y	J	J	2015-819	CAMO-15-92505	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	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	12.1	—	—	3.3	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	12.3	—	—	3.3	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.16	—	—	3.3	µg/L	Y	J	J	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.36	—	—	3.3	µg/L	Y	J	J	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.95	—	—	3.3	µg/L	Y	J	J	2015-819	CAMO-15-92505	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 S2	1185	11/09/15	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	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	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	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	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	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	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	2015-819	CAMO-15-92506	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	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	160	—	—	0.725	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2	—	—	0.725	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2	—	—	0.725	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.5	—	—	0.725	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	11/13/14	WG	F	INIT	REG	GENERAL CHEMISTRY															

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	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.1	—	—	15	µg/L	Y	J	J	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	16	—	—	15	µg/L	Y	J	J	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	16.6	—	—	15	µg/L	Y	J	J	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.2	—	—	15	µg/L	Y	J	J	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	11/13/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2015-318	CAMO-15-90238	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.2	—	—	0.05	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.5	—	—	0.05	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	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	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.931	1.3	5.06	—	pCi/L	Y	U	U	2016-302	CAMO-16-106111	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
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.05	—	—	0.067	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2	—	—	0.067	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.08	—	—	0.067	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.07	—	—	0.067	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.68	—	—	2	µg/L	Y	J	J	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.73	—	—	2	µg/L	Y	J	J	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.87	—	—	2	µg/L	Y	J	J	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4	—	—	2	µg/L	Y	J	J	2015-819	CAMO-15-92506	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	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.573	1.35	4.99	—	pCi/L	Y	U	U	2016-302	CAMO-16-106111	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	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.377	—	—	0.033	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.332	—	—	0.033	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.362	—	—	0.033	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.355	—	—	0.033	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	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					

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	05/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.4	—	—	0.453	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.7	—	—	0.453	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.02	—	—	0.11	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.18	—	—	0.11	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.98	—	—	0.11	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.1	—	—	0.11	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.165	µg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.165	µg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.99	—	—	0.165	µg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.165	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	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	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.137	2.78	9.96	—	pCi/L	Y	U	U	2016-302	CAMO-16-106111	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.15	—	—	0.5	µg/L	Y	J	J	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.924	—	—	0.5	µg/L	Y	J	J	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.01	—	—	0.5	µg/L	Y	J	J	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.14	—	—	0.5	µg/L	Y	J	J	2015-819	CAMO-15-92506	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	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.482	—	—	0.017	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.43	—	—	0.017	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.499	—	—	0.017	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.504	—	—	0.017	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	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	11/09/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.339	—	—	0.05	µg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.307	—	—	0.05	µg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.312	—	—	0.05	µg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.31	—	—	0.05	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
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	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00465	0.00583	0.0215	—	pCi/L	Y	U	U	2016-302	CAMO-16-106111	GELC
R-50 S2	1185	11/13/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0093	0.0623	—	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	0.022	—	pCi/L	Y					

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	11/13/14	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.4	—	—	0.053	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.2	—	—	0.053	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.2	—	—	0.053	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	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	11/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.59	1.3	4.03	—	pCi/L	Y	U	U	2016-302	CAMO-16-106111	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
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	µS/cm	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	3.63	µS/cm	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	3.63	µS/cm	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	3.63	µS/cm	Y	—	NQ	2015-819	CAMO-15-92506	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	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	47.6	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.6	—	—	1	µg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49	—	—	1	µg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.4	—	—	1	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	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	11/09/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0783	0.138	0.497	—	pCi/L	Y	U	U	2016-302	CAMO-16-106111	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	0.448	—	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	0.485	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.319	0.122	0.484	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0159	0.15	0.52	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.44	—	—	0.133	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.25	—	—	0.133	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0</td														

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	11/09/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.393	0.949	2.025	—	pCi/L	Y	—	NQ	2016-321	CAMO-16-106111	ARSL
R-50 S2	1185	05/11/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.234	0.72	2.281	—	pCi/L	Y	U	U	2015-1205	CAMO-15-95789	ARSL
R-50 S2	1185	11/13/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.189	0.703	2.405	—	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	1.967	—	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	2.204	—	pCi/L	Y	U	U	2014-2451	CAMO-14-45755	ARSL
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.471	—	—	0.067	µg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.517	—	—	0.067	µg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.505	—	—	0.067	µg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.554	—	—	0.067	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
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	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.407	0.0359	0.0929	—	pCi/L	Y	—	NQ	2016-302	CAMO-16-106111	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	0.0562	—	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	0.0614	—	pCi/L	Y	—	NQ	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.446	0.0373	0.0722	—	pCi/L	Y	—	J	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.51	0.048	0.041	—	pCi/L	Y	—	NQ	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0211	0.0122	0.0811	—	pCi/L	Y	U	U	2016-302	CAMO-16-106111	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	0.049	—	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	0.0383	—	pCi/L	Y	U	U	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0267	0.0106	0.0466	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0296	0.0088	0.025	—	pCi/L	Y	—	NQ	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	11/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.191	0.0246	0.0918	—	pCi/L	Y	—	NQ	2016-302	CAMO-16-106111	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	0.0539	—	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	0.0417	—	pCi/L	Y	—	NQ	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.203	0.0237	0.0366	—	pCi/L	Y	—	J	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.201	0.025	0.032	—	pCi/L	Y	—	NQ	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.24	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.41	—	—	1	µg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.95	—	—	1	µg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.48	—	—	1	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	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-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.28	—	—	0.01	SU	Y	H	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.41	—	—	0.01	SU	Y	H	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.25	—	—	0.01	SU	Y	H	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	0.01	SU	Y	H	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	—	—	0.01	SU	Y	H	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	11/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:15														

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	05/12/15	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00977	0.00598	0.0451	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95759	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00264	0.00458	0.0488	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95792	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	0.0622	—	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	0.0909	—	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	0.0346	—	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	0.0313	—	pCi/L	Y	U	U	2014-2448	CAMO-14-45724	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0405	—	—	0.017	mg/L	Y	J	J	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.256	—	—	0.017	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.132	—	—	0.017	mg/L	Y	—	U	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.136	—	—	0.017	mg/L	Y	—	U	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0449	—	—	0.017	mg/L	Y	J	U	2015-823	CAMO-15-92508	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	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.7	—	—	1	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.6	—	—	1	µg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.8	—	—	1	µg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.1	—	—	1	µg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.3	—	—	1	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	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	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0931	—	—	0.067	mg/L	Y	J	J	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0852	—	—	0.067	mg/L	Y	J	J	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0928	—	—	0.067	mg/L	Y	J	J	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0944	—	—	0.067	mg/L	Y	J	J	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0706	—	—	0.067	mg/L	Y	J	J	2015-823	CAMO-15-92508	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	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.2	—	—	0.05	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.2	—	—	0.05	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.3	—	—	0.05	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.2	—	—	0.05	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.8	—	—	0.05	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
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	11/19/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.735	1.65	6.25	—	pCi/L	Y	U	U	2016-383	CAMO-16-106114	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.896	1.62	5.73	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95759	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.87	1.44	5.96	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95792	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		

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	11/19/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.701	1.17	4.34	—	pCi/L	Y	U	U	2016-383	CAMO-16-106114	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.56	0.854	5.76	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95759	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.51	1.28	5.48	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95792	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	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.173	—	—	0.033	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.179	—	—	0.033	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.175	—	—	0.033	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.171	—	—	0.033	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.187	—	—	0.033	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	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	11/19/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.364	0.626	2.96	—	pCi/L	Y	U	U	2016-383	CAMO-16-106114	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.19	0.552	1.79	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95759	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.687	0.572	1.91	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95792	GELC
R-62	1158.4	11/17/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.293	0.284	0.974	—	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	11/19/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.89	0.989	2.97	—	pCi/L	Y	—	NQ	2016-383	CAMO-16-106114	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.66	0.598	1.94	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95759	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.172	0.516	1.73	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95792	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	11/19/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.3	—	—	0.453	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	69.7	—	—	0.453	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.9	—	—	0.453	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.7	—	—	0.453	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	72.1	—	—	0.453	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	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	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.53	—	—	0.11	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.28	—	—	0.11	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.67	—	—	0.11	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.66	—	—	0.							

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	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.838	—	—	0.165	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	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	11/19/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.64	2.71	7.97	—	pCi/L	Y	U	U	2016-383	CAMO-16-106114	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.3	2.55	9.67	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95759	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	9.26	4.5	10.7	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95792	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	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.6	—	—	0.5	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.92	—	—	0.5	µg/L	Y	J	J	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.89	—	—	0.5	µg/L	Y	J	J	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.99	—	—	0.5	µg/L	Y	J	J	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.51	—	—	0.5	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	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	11/19/15	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	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.96	—	—	0.085	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.16	—	—	0.017	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.017	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.34	—	—	0.085	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	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	11/19/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.809	—	—	0.05	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.828	—	—	0.05	µg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.778	—	—	0.05	µg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.794	—	—	0.05	µg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.787	—	—	0.05	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
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	11/19/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00422	0.00517	0.0247	—	pCi/L	Y	U	U	2016-383	CAMO-16-106114	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0246	0.0148	0.0671	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95759	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00739	0.00739	0.0336	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95792	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	0.0304	—	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	0.0249	—	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	0.0235	—	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	0.0256	—	pCi/L	Y	U	U	2014-2448	CAMO-14-45724	GELC
R-62	1158.4	11/19/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0127	0.0073	0.0474	—	pCi/L	Y	U	U	2016-383	CAMO-16-106114	GELC
R-62	1158.4																					

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	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-36.3	18.9	63.4	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95792	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
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	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.9	—	—	0.053	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.3	—	—	0.053	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.3	—	—	0.053	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.2	—	—	0.053	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	63.8	—	—	0.053	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	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	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	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	11/19/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.599	1.19	4.46	—	pCi/L	Y	U	U	2016-383	CAMO-16-106114	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.16	1.31	4.66	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95759	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.436	1.18	4.7	—	pCi/L	Y	U	U	2015-1191	CAMO-15-95792	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	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	3.63	µS/cm	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	176	—	—	3.63	µS/cm	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	183	—	—	3.63	µS/cm	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	3.63	µS/cm	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	3.63	µS/cm	Y	—	NQ	2015-823	CAMO-15-92508	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	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	88.2	—	—	1	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	85.8	—	—	1	µg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.6	—	—	1	µg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	90.1	—	—	1	µg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	83	—	—	1	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	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	11/19/15	WG	UF	INIT	REG	RAD	EPA:905.0														

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	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	207	—	—	3.4	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	290	—	—	3.4	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	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	11/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.33	—	—	0.165	mg/L	Y	J	J	2016-383	CAMO-16-106114	GELC
R-62	1158.4	08/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-2157	CAMO-15-102591	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0424	—	—	0.033	mg/L	Y	J	J	2015-1191	CAMO-15-95759	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0403	—	—	0.033	mg/L	Y	J	J	2015-1191	CAMO-15-95792	GELC
R-62	1158.4	02/24/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-823	CAMO-15-92492	GELC
R-62	1158.4	11/17/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-355	CAMO-15-90223	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0434	—	—	0.017	mg/L	Y	J	J	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	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	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0407	—	—	0.017	mg/L	Y	J	U	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0509	—	—	0.017	mg/L	Y	—	U	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0501	—	—	0.017	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	11/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0392	—	—	0.017	mg/L	Y	J	U	2015-355	CAMO-15-90240	GELC
R-62	1158.4	11/19/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	15.961	2.565	2.174	—	pCi/L	Y	—	NQ	2016-399	CAMO-16-106114	ARSL
R-62	1158.4	05/12/15	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	14.744	2.395	2.211	—	pCi/L	Y	—	NQ	2015-1205	CAMO-15-95759	ARSL
R-62	1158.4	05/12/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	15.812	2.564	2.335	—	pCi/L	Y	—	NQ	2015-1205	CAMO-15-95792	ARSL
R-62	1158.4	11/17/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	9.919	1.732	2.384	—	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	1.674	—	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	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.906	—	—	0.067	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.907	—	—	0.067	µg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.879	—	—	0.067	µg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.884	—	—	0.067	µg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.941	—	—	0.067	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
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	11/19/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.526	0.0353	0.0767	—	pCi/L	Y	—	NQ	2016-383	CAMO-16-106114	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.496	0.0435	0.0803	—	pCi/L	Y	—	NQ	2015-1191	CAMO-15-95759	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.54	0.0425	0.0692	—	pCi/L	Y	—	NQ	2015-1191	CAMO-15-95792	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	0.0961	—	pCi/L	Y	—	NQ	2015-355	CAMO-15-90223	GELC
R-62	1158.4																					

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	0.092	—	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	0.052	—	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	0.0272	—	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	0.0323	—	pCi/L	Y	—	NQ	2014-2448	CAMO-14-45724	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.98	—	—	1	µg/L	Y	J	J	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.44	—	—	1	µg/L	Y	J	J	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.46	—	—	1	µg/L	Y	J	J	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.31	—	—	1	µg/L	Y	J	J	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.93	—	—	1	µg/L	Y	J	J	2015-823	CAMO-15-92508	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
SCI-2	548	11/13/15	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	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.64	—	—	0.01	SU	Y	H	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	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	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.68	—	—	0.01	SU	Y	H	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	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	2015-805	CASA-15-92524	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
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.4	—	—	0.725	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.4	—	—	0.725	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.6	—	—	0.725	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	0.725	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.8	—	—	0.725	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.5	—	—	0.725	mg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0252	0.0116	0.0378	—	pCi/L	Y	U	U	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0125	0.00992	0.0423	—	pCi/L	Y	U	U	2016-333	CASA-16-106220	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	0.0741	—	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	0.0297	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00387	0.0039	0.03	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00643	0.0045	0.037	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	72.1	—	—	1	µg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	71.6	—	—	1	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	69.4	—	—	1	µg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	69.2	—	—	1	µg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	71.1	—	—	1	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	71.8	—	—	1	µg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2																						

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	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.655	—	—	0.067	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	11/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	2	—	—	0.67	mg/L	Y	U	U	2015-296	CASA-15-90264	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	69.3	—	—	0.05	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	69.2	—	—	0.05	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	65.5	—	—	0.05	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	65.2	—	—	0.05	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	70.8	—	—	0.05	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	71.2	—	—	0.05	mg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.79	1.7	5.69	—	pCi/L	Y	U	U	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.24	1.48	5.69	—	pCi/L	Y	U	U	2016-333	CASA-16-106220	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	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	70.4	—	—	0.67	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	70.2	—	—	0.67	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	69.9	—	—	0.67	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	69.9	—	—	0.67	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	63.8	—	—	1.34	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	69.2	—	—	0.67	mg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.36	—	—	0.3	µg/L	Y	HJ	J-	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.37	—	—	0.3	µg/L	Y	HJ	J-	2016-333	CASA-16-106220	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.31	—	—	0.25	µg/L	Y	J	J	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.37	—	—	0.25	µg/L	Y	J	J	10-3716	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.33	—	—	0.25	µg/L	Y	J	J	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.31	—	—	0.25	µg/L	Y	J	J	10-1694	CASA-10-9489	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	418	—	—	2	µg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	415	—	—	2	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	432	—	—	10	µg/L	Y	—	J+	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	449	—	—	10	µg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	411	—	—	2	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	433	—	—	2	µg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.43	1.4	5.95	—	pCi/L	Y	U	U	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.06	1.16	4.15	—	pCi/L	Y	U	U	2016-333	CASA-16-106220	GELC
SCI-2	548	11/12/14	WG	UF	INIT	REG																

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	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.136	—	—	0.033	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.186	—	—	0.033	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.19	—	—	0.033	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.144	—	—	0.033	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.151	—	—	0.033	mg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.13	0.824	2.82	—	pCi/L	Y	U	U	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	2.08	0.954	2.92	—	pCi/L	Y	U	U	2016-333	CASA-16-106220	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	11/13/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.41	0.981	2.97	—	pCi/L	Y	—	NQ	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	5.78	1	2.94	—	pCi/L	Y	—	NQ	2016-333	CASA-16-106220	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	11/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	241	—	—	0.453	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	240	—	—	0.453	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	228	—	—	0.453	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	226	—	—	0.453	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	245	—	—	0.453	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	248	—	—	0.453	mg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.5	—	—	0.11	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.3	—	—	0.11	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	15.6	—	—	0.11	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	15.5	—	—	0.11	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.7	—	—	0.11	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	17	—	—	0.11	mg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.603	—	—	0.165	µg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.57	—	—	0.165	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.555	—	—	0.165	µg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.384	—	—	0.165	µg/L	Y	J	J	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.528	—	—	0.165	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.492	—									

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	15.4	—	—	0.5	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.9	—	—	0.5	µg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.95	—	—	0.17	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4	—	—	0.17	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.19	—	—	0.17	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.11	—	—	0.17	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.07	—	—	0.17	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.56	—	—	0.085	mg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.972	—	—	0.05	µg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.945	—	—	0.05	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.938	—	—	0.05	µg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.899	—	—	0.05	µg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.97	—	—	0.05	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.932	—	—	0.05	µg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	11/12/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.962	—	—	0.1	µg/L	Y	—	NQ	2015-296	CASA-15-90264	GELC
SCI-2	548	11/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0141	0.00938	0.0274	—	pCi/L	Y	U	U	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00515	0.0109	0.0301	—	pCi/L	Y	U	U	2016-333	CASA-16-106220	GELC
SCI-2	548	11/12/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00327	0.00566	0.0438	—	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	0.0272	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00411	0.005	0.023	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00231	0.0033	0.031	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	11/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0187	0.00937	0.0527	—	pCi/L	Y	U	U	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00772	0.00996	0.0578	—	pCi/L	Y	U	U	2016-333	CASA-16-106220	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	0.0646	—	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	0.0453	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00822	0.0041	0.032	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0185	0.0087	0.031	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.04	—	—	0.05	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	4.01	—	—	0.05	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.67	—	—	0.05	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	3.68	—	—	0.05	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.74	—	—	0.05	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.91	—	—	0.05	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	11/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.42	—	—								

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	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	23.4	—	—	0.1	mg/L	Y	—	J+	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	25.6	—	—	0.1	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	25	—	—	0.1	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	23	—	—	0.1	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	23.2	—	—	0.1	mg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.61	1.38	4.31	—	pCi/L	Y	U	U	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.6	1.31	4.47	—	pCi/L	Y	U	U	2016-333	CASA-16-106220	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	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	656	—	—	1	µS/cm	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	663	—	—	1	µS/cm	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	575	—	—	3.63	µS/cm	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	565	—	—	3.63	µS/cm	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	3.63	µS/cm	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	583	—	—	3.63	µS/cm	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	320	—	—	1	µg/L	Y	E	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	264	—	—	1	µg/L	Y	E	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	338	—	—	1	µg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	343	—	—	1	µg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	329	—	—	1	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	320	—	—	1	µg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.207	0.116	0.468	—	pCi/L	Y	U	U	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.184	0.121	0.477	—	pCi/L	Y	U	U	2016-333	CASA-16-106220	GELC
SCI-2	548	11/12/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0756	0.113	0.409	—	pCi/L	Y	U	U	2015-296	CASA-15-90256	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0837	0.109	0.437	—	pCi/L	Y	U	U	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0583	0.14	0.49	—	pCi/L	Y	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.181	0.15	0.49	—	pCi/L	Y	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	91.8	—	—	1.33	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	91.2	—	—	1.33	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	94.1	—	—	1.33	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	94.4	—	—	1.33	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:3														

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	450	—	—	3.4	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	443	—	—	3.4	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	430	—	—	3.4	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	386	—	—	3.4	mg/L	Y	—	NQ	2015-805	CASA-15-92524	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	11/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0633	—	—	0.033	mg/L	Y	J	J	2016-333	CASA-16-106220	GELC
SCI-2	548	08/10/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.109	—	—	0.033	mg/L	Y	—	NQ	2015-2126	CASA-15-102621	GELC
SCI-2	548	08/10/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.107	—	—	0.033	mg/L	Y	—	NQ	2015-2126	CASA-15-102643	GELC
SCI-2	548	05/07/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-1175	CASA-15-95825	GELC
SCI-2	548	02/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.109	—	—	0.033	mg/L	Y	—	U	2015-805	CASA-15-92517	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	11/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.776	—	—	0.33	mg/L	Y	J	J	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.738	—	—	0.33	mg/L	Y	J	J	2016-333	CASA-16-106220	GELC
SCI-2	548	08/10/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.832	—	—	0.33	mg/L	Y	J	J	2015-2126	CASA-15-102621	GELC
SCI-2	548	08/10/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.822	—	—	0.33	mg/L	Y	J	J	2015-2126	CASA-15-102643	GELC
SCI-2	548	05/07/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.893	—	—	0.33	mg/L	Y	J	J	2015-1175	CASA-15-95825	GELC
SCI-2	548	02/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.948	—	—	0.33	mg/L	Y	J	J	2015-805	CASA-15-92517	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	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0247	—	—	0.017	mg/L	Y	J	J	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0291	—	—	0.017	mg/L	Y	J	J	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	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	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.051	—	—	0.017	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0528	—	—	0.017	mg/L	Y	—	U	2015-805	CASA-15-92524	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	11/13/15	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	292	60.8	169	—	pCi/L	Y	—	NQ	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	321	62.1	169	—	pCi/L	Y	—	NQ	2016-333	CASA-16-106220	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	4.347	—	pCi/L	Y	—	NQ	11-2626	CASA-11-10807	ARSL
SCI-2	548	06/02/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.8372	0.5474	1.8676	—	pCi/L	N	U	R	11-2626	CASA-11-10807	ARSL
SCI-2	548	06/02/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	436.922	65.6558	2.9302	—	pCi/L	Y	—	NQ	11-2626	CASA-11-10809	ARSL
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.75	—	—	0.067	µg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.74	—	—	0.067	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F																		

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	11/13/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0732	0.0172	0.0843	—	pCi/L	Y	U	U	2016-333	CASA-16-106220	GELC
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	0.0455	—	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	0.025	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22650	GELC
SCI-2	548	11/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.641	0.0362	0.0614	—	pCi/L	Y	—	NQ	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.61	0.0429	0.0955	—	pCi/L	Y	—	NQ	2016-333	CASA-16-106220	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	0.0435	—	pCi/L	Y	—	NQ	2013-270	CASA-13-24216	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.532	0.068	0.059	—	pCi/L	Y	—	J+	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.429	0.04	0.029	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22650	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.32	—	—	1	µg/L	Y	J	J	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.43	—	—	1	µg/L	Y	J	J	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.65	—	—	1	µg/L	Y	J	J	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.5	—	—	1	µg/L	Y	J	J	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.6	—	—	1	µg/L	Y	J	J	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	2015-805	CASA-15-92524	GELC
SCI-2	548	11/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	2015-296	CASA-15-90264	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	8.56	—	—	3.3	µg/L	Y	J	J	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	15	—	—	3.3	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.28	—	—	3.3	µg/L	Y	J	J	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.96	—	—	3.3	µg/L	Y	J	J	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.73	—	—	3.3	µg/L	Y	J	J	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-805	CASA-15-92524	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
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	—	—	0.01	SU	Y	H	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	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	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	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	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.8	—	—	0.725	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.4	—	—	0.725	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.1	—	—	0.725	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0322	0.0102	0.0416	—	pCi/L	Y	U	U	2016-414	CASA-16-106221	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00486	0.0091	0.0408	—	pCi/L	Y	U	U	2016-414	CASA-16-106249	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0125	0.00659	0.0337	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0456	—	—	0.017	mg/L	Y	J	J	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG																			

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
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.29	—	—	2	µg/L	Y	J	J	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.22	—	—	2	µg/L	Y	J	J	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.01	—	—	2	µg/L	Y	J	J	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.93	1.46	6.26	—	pCi/L	Y	U	U	2016-414	CASA-16-106221	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.848	1.16	5.04	—	pCi/L	Y	U	U	2016-414	CASA-16-106249	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.614	1.04	3.86	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.22	—	—	0.033	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.805	0.665	2.99	—	pCi/L	Y	U	U	2016-414	CASA-16-106221	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.399	0.611	2.42	—	pCi/L	Y	U	U	2016-414	CASA-16-106249	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.39	0.72	2.82	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.803	0.699	2.35	—	pCi/L	Y	U	U	2016-414	CASA-16-106221	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.96	0.721	2.06	—	pCi/L	Y	—	NQ	2016-414	CASA-16-106249	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.155	0.806	2.93	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.8	—	—	0.453	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46	—	—	0.453	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.2	—	—	0.453	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	PESTPCB	SW-846:8081B	Hexachlorobenzene	118-74-1	Y	0.0134	—	—	0.00665	µg/L	Y	J	J	2016-414	CASA-16-106221	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	PESTPCB	SW-846:8081B	Hexachlorobenzene	118-74-1	N	0.0211	—	—	0.00658	µg/L	Y	U	U	2016-414	CASA-16-106249	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	5	—	—	1.5	µg/L	Y	U	U	2016-414	CASA-16-106249	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	5.21	—	—	1.56	µg/L	Y	U	U	2016-414	CASA-16-106221	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	PESTPCB	SW-846:8081B	Hexachlorobenzene	118-74-1	N	0.0208	—	—	0.00651	µg/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	67	—	—	20.1	µg/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.38	—	—	0.11	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.37	—	—	0.11	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.23	—	—	0.11	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.165	µg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.165	µg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.165	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.12	3.4	11.4	—	pCi/L	Y	U	U	2016-414	CASA-16-106221	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.85	2.66	10	—	pCi/L	Y	U	U	2016-414	CASA-16-106249	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.07	2.58	8.89	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.77	—	—	0.017	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.758	—	—	0.017	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.706	—	—	0.017	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y											

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
SIMR-2	885	11/24/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.3	17.6	46.5	—	pCi/L	Y	U	U	2016-414	CASA-16-106249	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.14	15.7	58.4	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.58	—	—	1.5	µg/L	Y	J	J	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76	—	—	0.053	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.5	—	—	0.053	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.96	1.62	5.51	—	pCi/L	Y	U	U	2016-414	CASA-16-106221	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.27	1.25	5.43	—	pCi/L	Y	U	U	2016-414	CASA-16-106249	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.351	1.11	4.48	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	146	—	—	1	µS/cm <sup>µ</sup>	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	µS/cm	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	143	—	—	1	µS/cm	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.8	—	—	1	µg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.7	—	—	1	µg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.6	—	—	1	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.16	0.12	0.498	—	pCi/L	Y	U	U	2016-414	CASA-16-106221	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.178	0.121	0.485	—	pCi/L	Y	U	U	2016-414	CASA-16-106249	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00578	0.115	0.425	—	pCi/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.81	—	—	0.133	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.81	—	—	0.133	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.91	—	—	0.133	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	380	—	—	3.4	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	106	—	—	3.4	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.415	0.78	2.677	—	pCi/L	Y	U	U	2016-452	CASA-16-106249	ARSL
SIMR-2	885	11/24/15	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.602	0.743	2.554	—	pCi/L	Y	U	U	2016-452	CASA-16-106221	ARSL
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.751	0.686	2.251	—	pCi/L	Y	U	U	2016-177	CASA-16-106064	ARSL
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.497	—	—	0.067	µg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.503	—	—	0.067	µg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.487	—	—	0.067	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.302	0.0298	0.108	—	pCi/L	Y	—	NQ	2016-414	CASA-16-106221	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.388	0.0346	0.115	—	pCi/L	Y	—	NQ	2016-414	C	



## **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	11/16/15	SVOC <sup>a</sup>	Dioxane[1,4-]	123-91-1	UF <sup>b</sup>	INIT <sup>c</sup>	REG <sup>d</sup>	Y <sup>e</sup>	9.6	1.56	µg/L	1	— <sup>f</sup>	NQ <sup>g</sup>	NQ	Y	SW-846:8270D	GELC <sup>h</sup>	4.6	EPA TAP SCRN LVL <sup>i</sup>	2.09
Intermediate	MCOI-5	689.04	11/16/15	General chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F <sup>j</sup>	INIT	REG	Y	5.61	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL <sup>k</sup>	0.56
Intermediate	MCOI-5	689.04	11/16/15	LCMS/MS <sup>l</sup> perchlorate	Perchlorate	CIO4	F	INIT	REG	Y	99.4	10	µg/L	200	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	24.85
Intermediate	MCOI-6	686	11/06/15	Inorganic	Chromium	Cr	F	INIT	REG	Y	75.4	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD <sup>m</sup>	1.51
Intermediate	MCOI-6	686	11/06/15	SVOC	Dioxane[1,4-]	123-91-1	UF	INIT	REG	Y	8.14	1.56	µg/L	1	—	NQ	NQ	Y	SW-846:8270D	GELC	4.6	EPA TAP SCRN LVL	1.77
Intermediate	MCOI-6	686	11/06/15	General chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	9.21	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.92
Intermediate	MCOI-6	686	11/06/15	LCMS/MS perchlorate	Perchlorate	CIO4	F	INIT	REG	Y	72.5	5	µg/L	100	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	18.13
Intermediate	SCI-2	548	11/13/15	Inorganic	Chromium	Cr	F	INIT	REG	Y	418	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	8.36
Intermediate	SCI-2	548	11/13/15	Inorganic	Chromium	Cr	F	INIT	FD <sup>n</sup>	Y	415	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	8.30
Regional	R-11	855	11/11/15	General chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.42	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.54
Regional	R-15	958.6	11/20/15	LCMS/MS perchlorate	Perchlorate	CIO4	F	INIT	REG	Y	9.05	1	µg/L	20	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	2.26
Regional	R-28	934.3	11/16/15	Inorganic	Chromium	Cr	F	INIT	REG	Y	407	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	8.14
Regional	R-33 S2	1112.4	11/12/15	SVOC	Dibenz(a,h)anthracene	53-70-3	UF	INIT	REG	Y	0.0968	0.0323	µg/L	1	J <sup>o</sup>	J <sup>p</sup>	J_LAB <sup>q</sup>	Y	SW-846:8270DGCMs_SIM	GELC	0.034	EPA TAP SCRN LVL	2.85
Regional	R-42	931.8	11/16/15	Inorganic	Chromium	Cr	F	INIT	REG	Y	821	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	16.42
Regional	R-42	931.8	11/16/15	General chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.37	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.54
Regional	R-43 S1	903.9	11/18/15	Inorganic	Chromium	Cr	F	INIT	REG	Y	134	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	2.68
Regional	R-43 S1	903.9	11/18/15	General chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.61	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.56

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
Regional	R-45 S1	880	11/11/15	Inorganic	Chromium	Cr	F	INIT	REG	Y	37.8	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	0.76
Regional	R-50 S1	1077	11/09/15	Inorganic	Chromium	Cr	F	INIT	FD	Y	93.9	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	1.88
Regional	R-50 S1	1077	11/09/15	Inorganic	Chromium	Cr	F	INIT	REG	Y	95.7	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	1.91
Regional	R-62	1158.4	11/19/15	Inorganic	Chromium	Cr	F	INIT	REG	Y	161	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	3.22

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

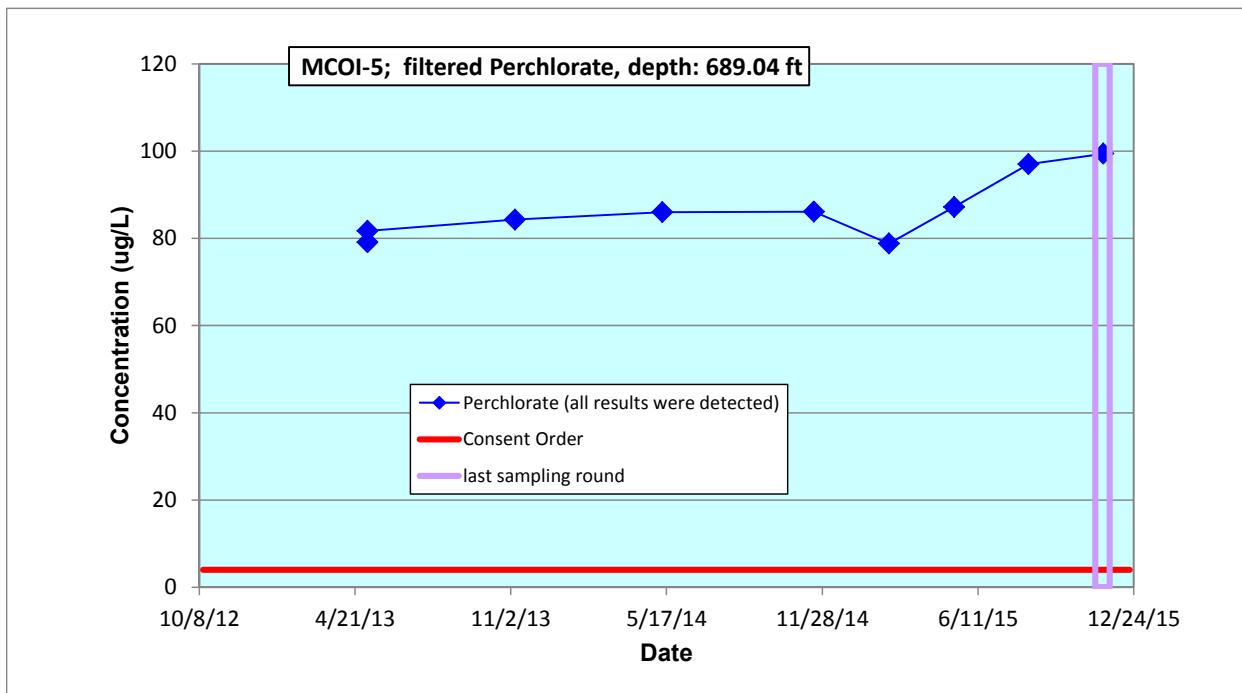
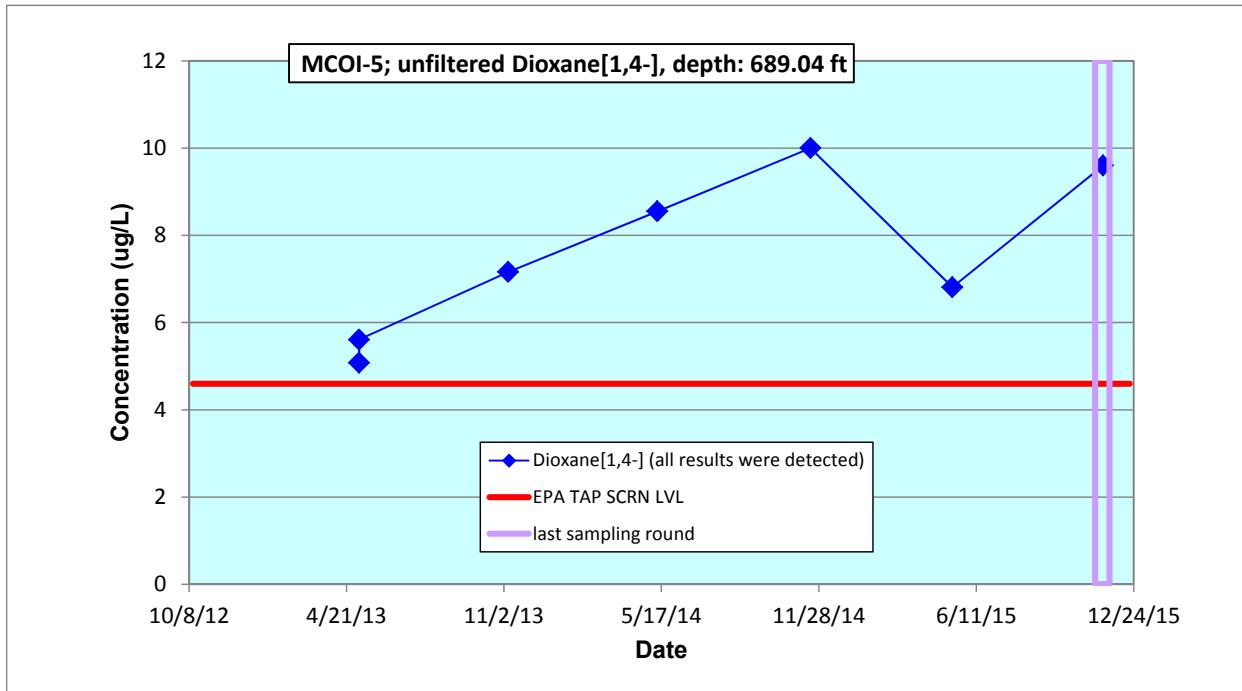
## **Appendix E**

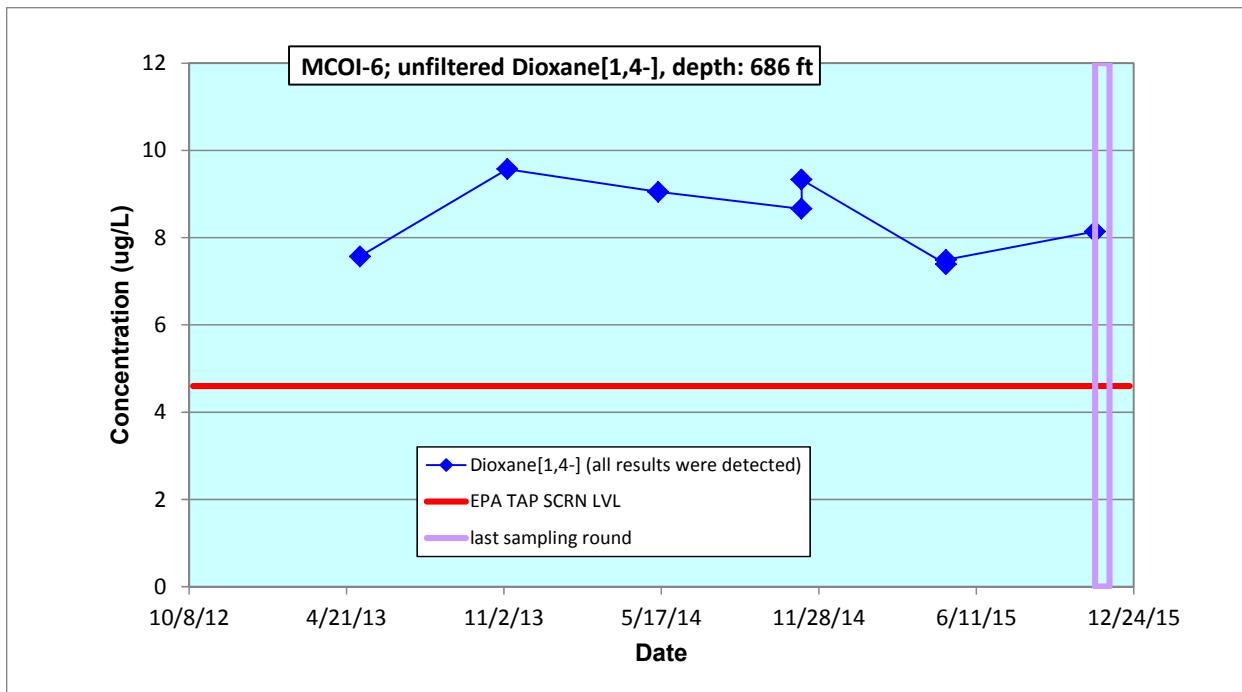
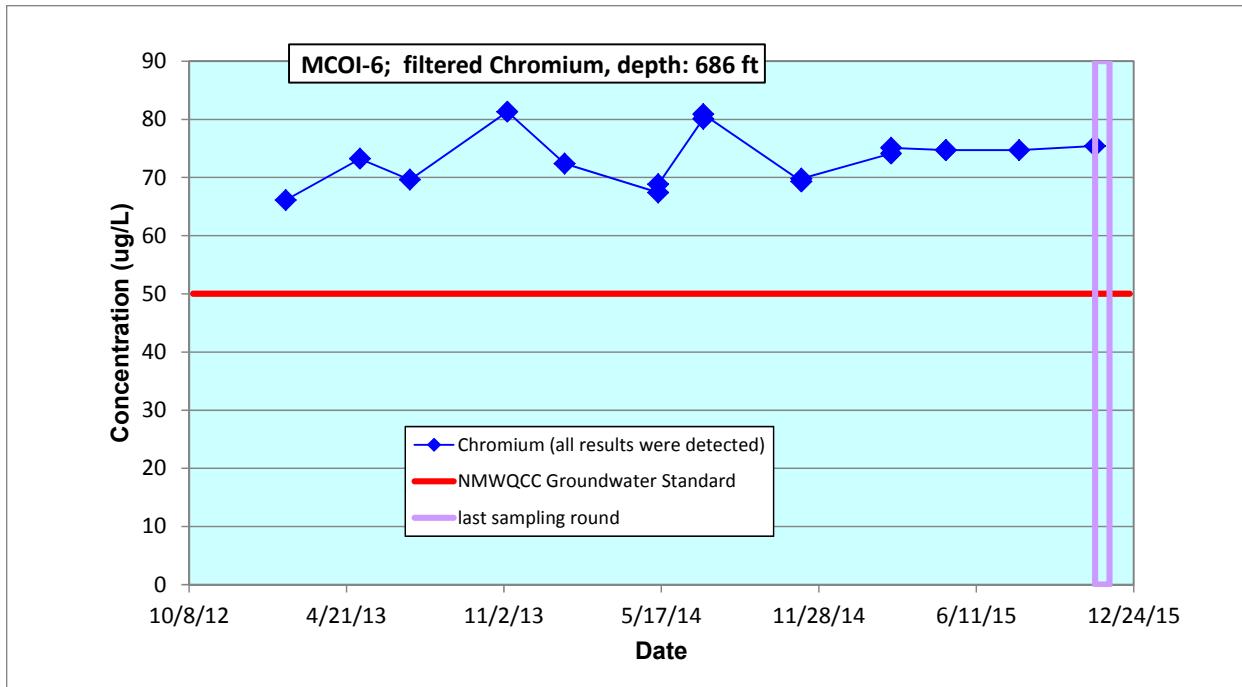
---

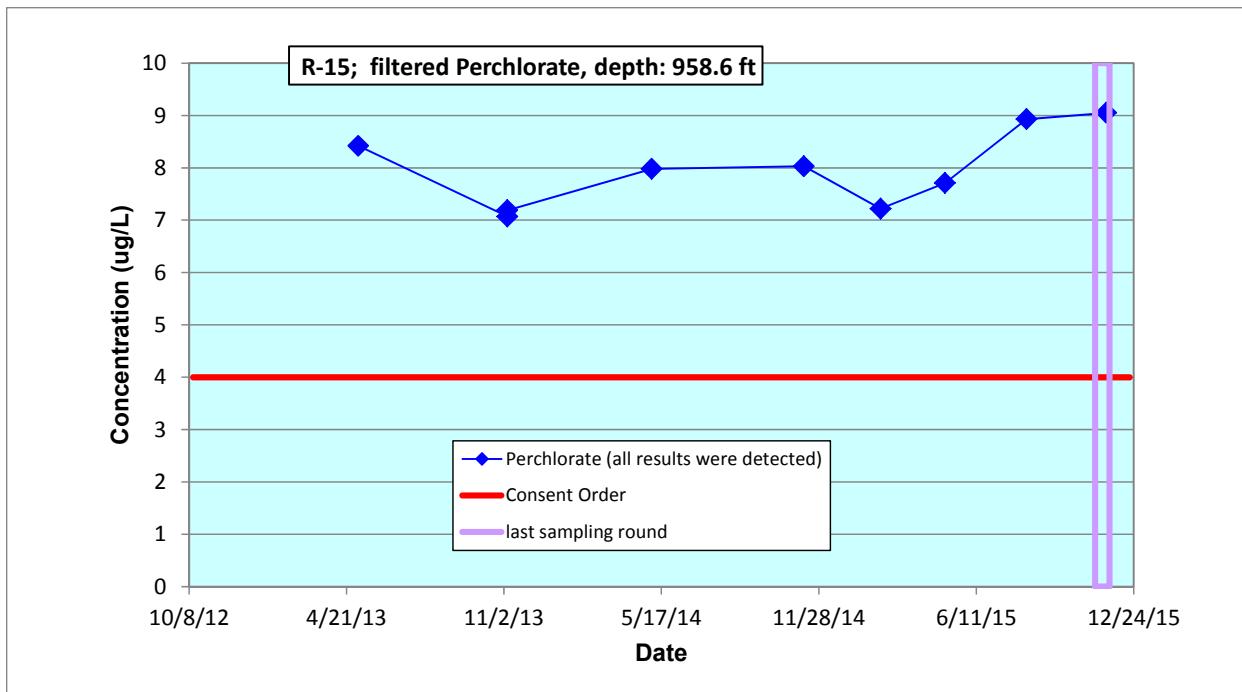
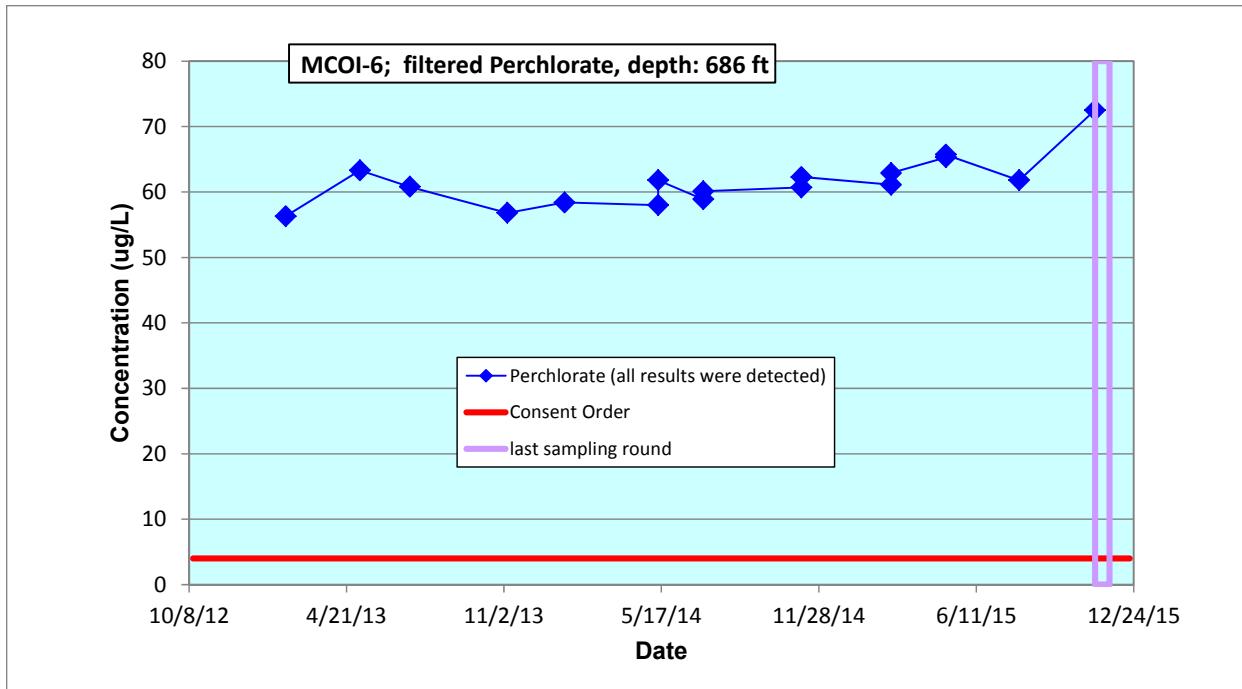
*Analytical Chemistry Graphs of Screening-Level Exceedances*

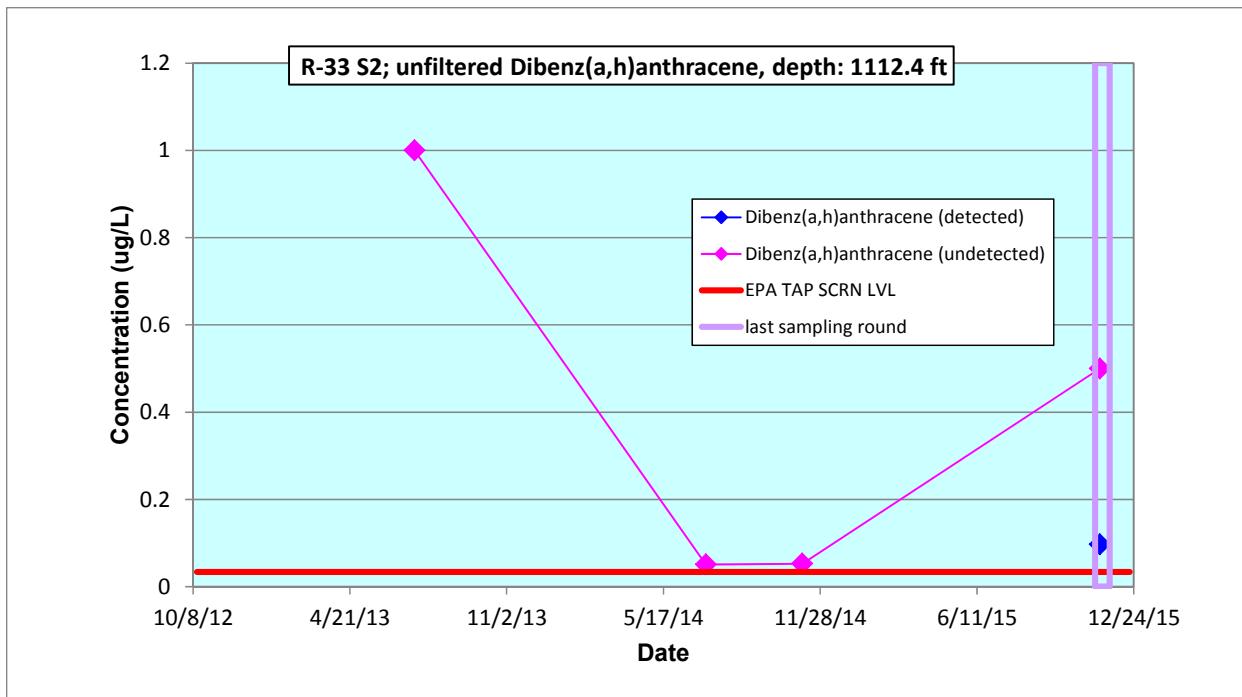
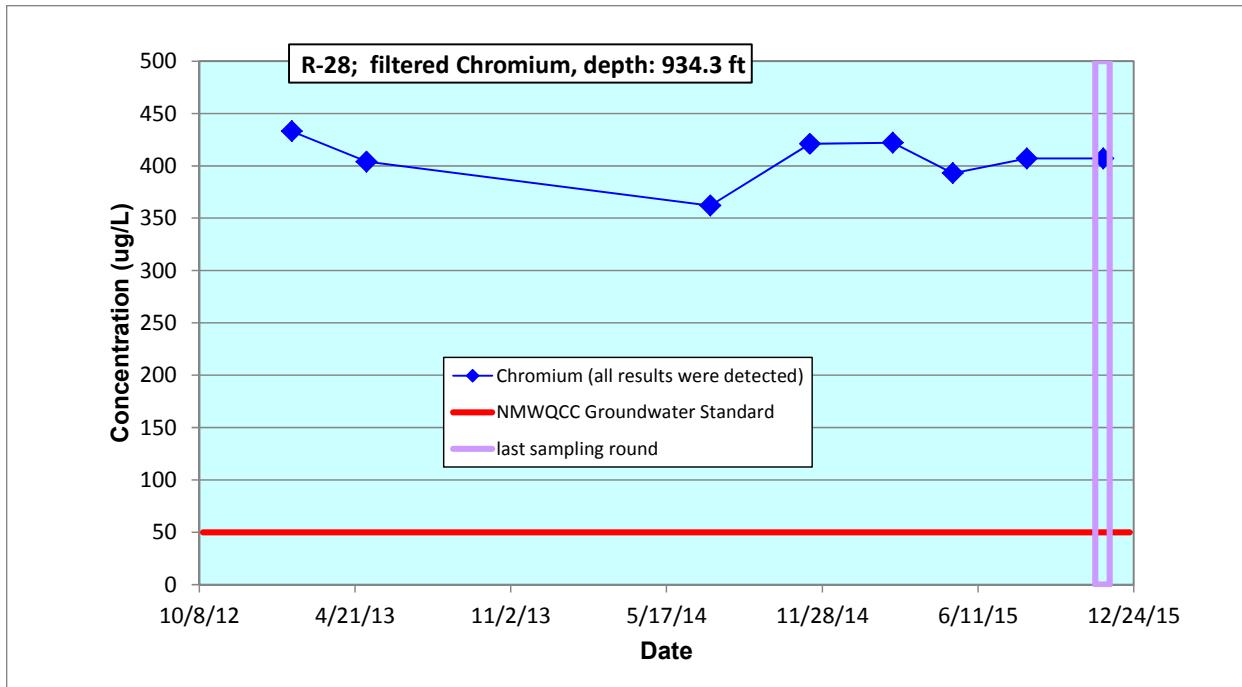


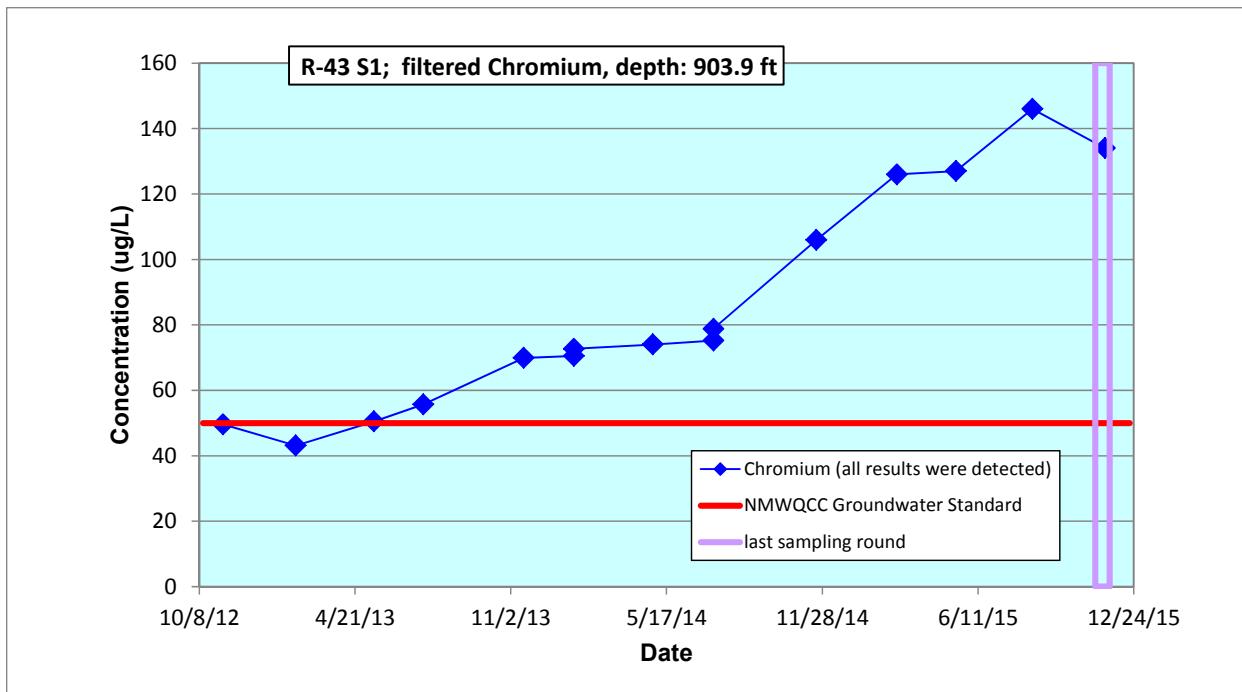
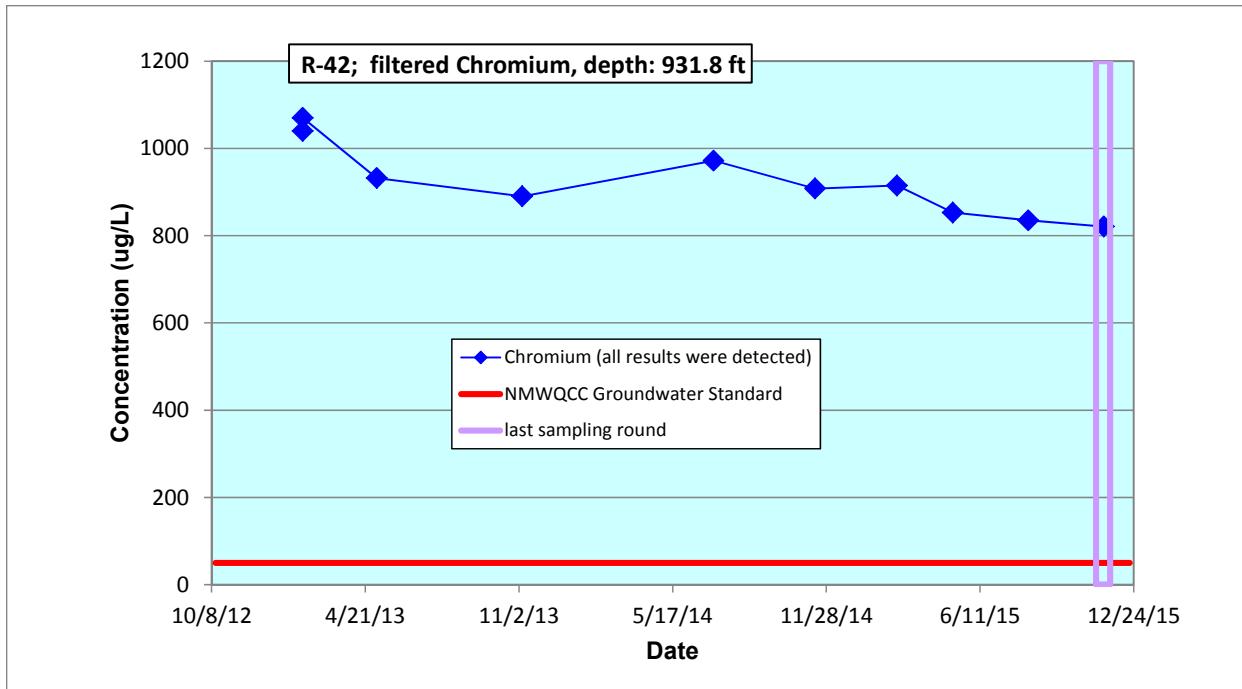
Note: The depths in the concentration plots are screen top depths (see Table 2.0-1).

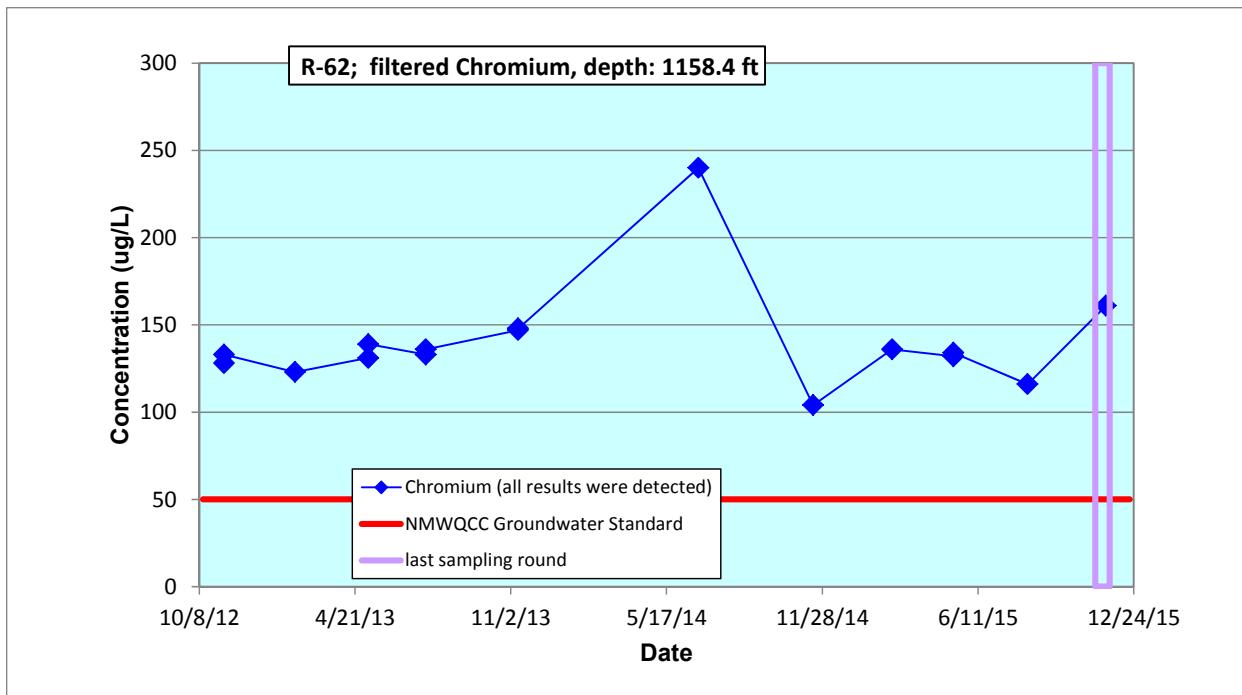
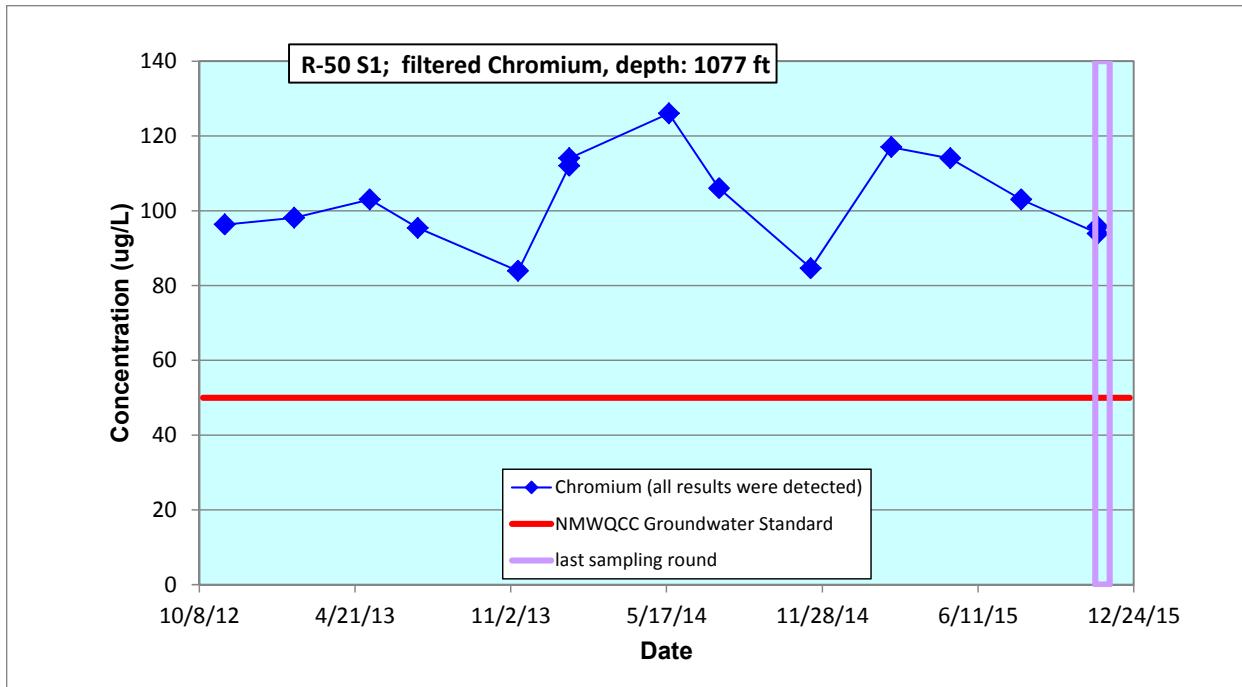


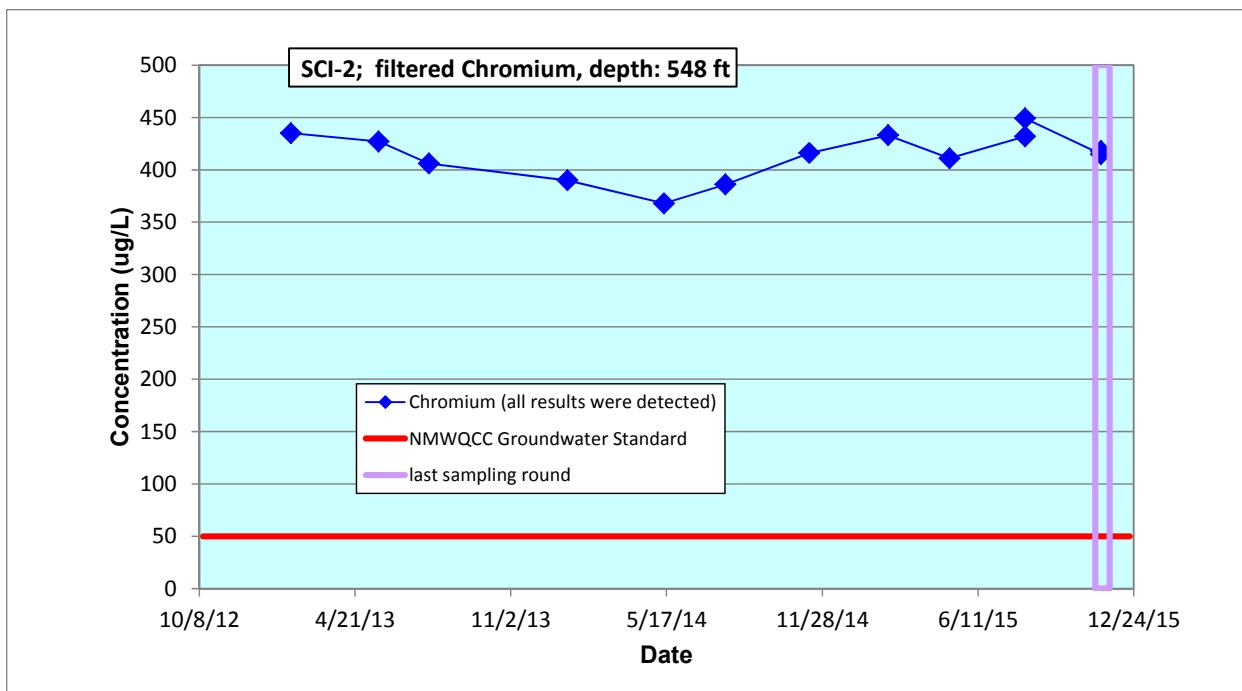














## **Appendix F**

---

*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)
2016-125	Inorganic	GELC <sup>a</sup>	CASA-16-106066	10/23/15	SIMR-2	885	905.4
2016-125	Inorganic	GELC	CASA-16-106064	10/23/15	SIMR-2	885	905.4
2016-125	Organic	GELC	CASA-16-106064	10/23/15	SIMR-2	885	905.4
2016-125	Rad <sup>b</sup>	GELC	CASA-16-106064	10/23/15	SIMR-2	885	905.4
2016-127	Organic	CFA <sup>c</sup>	CASA-16-106064	10/23/15	SIMR-2	885	905.4
2016-177	Rad	ARSL <sup>d</sup>	CASA-16-106064	10/23/15	SIMR-2	885	905.4
2016-217	Inorganic	UIL <sup>e</sup>	CASA-15-102653	08/19/15	R-43 S1	903.9	924.6
2016-217	Inorganic	UIL	CASA-15-102654	08/18/15	R-43 S2	969.1	979.1
2016-219	Inorganic	UIL	CAMO-15-102597	08/04/15	MCOI-6	686	708.3
2016-219	Inorganic	UIL	CAMO-15-102610	08/05/15	R-45 S1	880	890
2016-219	Inorganic	UIL	CAMO-15-102611	08/05/15	R-45 S2	974.9	994.9
2016-219	Inorganic	UIL	CAMO-15-102612	08/05/15	R-50 S1	1077	1087
2016-219	Inorganic	UIL	CAMO-15-102613	08/05/15	R-50 S2	1185	1205.6
2016-286	Inorganic	GELC	CAMO-16-106095	11/06/15	MCOI-6	686	708.3
2016-286	Inorganic	GELC	CAMO-16-106116	11/06/15	MCOI-6	686	708.3
2016-286	Organic	GELC	CAMO-16-106095	11/06/15	MCOI-6	686	708.3
2016-286	Rad	GELC	CAMO-16-106095	11/06/15	MCOI-6	686	708.3
2016-287	Inorganic	GELC	CASA-16-106242	11/06/15	R-35b	825.4	848.5
2016-287	Inorganic	GELC	CASA-16-106255	11/06/15	R-35b	825.4	848.5
2016-287	Organic	GELC	CASA-16-106242	11/06/15	R-35b	825.4	848.5
2016-287	Rad	GELC	CASA-16-106242	11/06/15	R-35b	825.4	848.5
2016-299	Inorganic	GELC	CASA-16-106241	11/09/15	R-35a	1013.1	1062.2
2016-299	Inorganic	GELC	CASA-16-106254	11/09/15	R-35a	1013.1	1062.2
2016-299	Organic	GELC	CASA-16-106241	11/09/15	R-35a	1013.1	1062.2
2016-299	Rad	GELC	CASA-16-106241	11/09/15	R-35a	1013.1	1062.2
2016-302	Inorganic	GELC	CAMO-16-106069	11/09/15	R-50 S1	1077	1087
2016-302	Inorganic	GELC	CAMO-16-106110	11/09/15	R-50 S1	1077	1087
2016-302	Inorganic	GELC	CAMO-16-106131	11/09/15	R-50 S1	1077	1087
2016-302	Inorganic	GELC	CAMO-16-106132	11/09/15	R-50 S2	1185	1205.6
2016-302	Inorganic	GELC	CAMO-16-106111	11/09/15	R-50 S2	1185	1205.6
2016-302	Inorganic	GELC	CAMO-16-106071	11/09/15	R-50 S1	1077	1087
2016-302	Organic	GELC	CAMO-16-106069	11/09/15	R-50 S1	1077	1087
2016-302	Organic	GELC	CAMO-16-106110	11/09/15	R-50 S1	1077	1087
2016-302	Organic	GELC	CAMO-16-106111	11/09/15	R-50 S2	1185	1205.6
2016-302	Rad	GELC	CAMO-16-106069	11/09/15	R-50 S1	1077	1087
2016-302	Rad	GELC	CAMO-16-106110	11/09/15	R-50 S1	1077	1087
2016-302	Rad	GELC	CAMO-16-106111	11/09/15	R-50 S2	1185	1205.6
2016-313	Inorganic	GELC	CAMO-16-106118	11/10/15	R-13	958.33	1018.72

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2016-313	Inorganic	GELC	CAMO-16-106097	11/10/15	R-13	958.33	1018.72
2016-313	Organic	GELC	CAMO-16-106097	11/10/15	R-13	958.33	1018.72
2016-313	Rad	GELC	CAMO-16-106097	11/10/15	R-13	958.33	1018.72
2016-315	Inorganic	GELC	CASA-16-106240	11/11/15	R-11	855	877.9
2016-315	Inorganic	GELC	CASA-16-106253	11/11/15	R-11	855	877.9
2016-315	Organic	GELC	CASA-16-106240	11/11/15	R-11	855	877.9
2016-315	Rad	GELC	CASA-16-106240	11/11/15	R-11	855	877.9
2016-316	Inorganic	GELC	CAMO-16-106107	11/11/15	R-45 S1	880	890
2016-316	Inorganic	GELC	CAMO-16-106128	11/11/15	R-45 S1	880	890
2016-316	Organic	GELC	CAMO-16-106107	11/11/15	R-45 S1	880	890
2016-316	Rad	GELC	CAMO-16-106107	11/11/15	R-45 S1	880	890
2016-318	Inorganic	GELC	CAMO-16-106129	11/11/15	R-45 S2	974.9	994.9
2016-318	Inorganic	GELC	CAMO-16-106108	11/11/15	R-45 S2	974.9	994.9
2016-318	Organic	GELC	CAMO-16-106108	11/11/15	R-45 S2	974.9	994.9
2016-318	Rad	GELC	CAMO-16-106108	11/11/15	R-45 S2	974.9	994.9
2016-321	Rad	ARSL	CAMO-16-106069	11/09/15	R-50 S1	1077	1087
2016-321	Rad	ARSL	CAMO-16-106107	11/11/15	R-45 S1	880	890
2016-321	Rad	ARSL	CAMO-16-106110	11/09/15	R-50 S1	1077	1087
2016-321	Rad	ARSL	CAMO-16-106111	11/09/15	R-50 S2	1185	1205.6
2016-321	Rad	ARSL	CAMO-16-106097	11/10/15	R-13	958.33	1018.72
2016-321	Rad	ARSL	CAMO-16-106108	11/11/15	R-45 S2	974.9	994.9
2016-322	Rad	ARSL	CASA-16-106240	11/11/15	R-11	855	877.9
2016-322	Rad	ARSL	CASA-16-106241	11/09/15	R-35a	1013.1	1062.2
2016-322	Rad	ARSL	CASA-16-106242	11/06/15	R-35b	825.4	848.5
2016-333	Inorganic	GELC	CASA-16-106220	11/13/15	SCI-2	548	568
2016-333	Inorganic	GELC	CASA-16-106222	11/13/15	SCI-2	548	568
2016-333	Inorganic	GELC	CASA-16-106248	11/13/15	SCI-2	548	568
2016-333	Inorganic	GELC	CASA-16-106261	11/13/15	SCI-2	548	568
2016-333	Organic	GELC	CASA-16-106220	11/13/15	SCI-2	548	568
2016-333	Organic	GELC	CASA-16-106248	11/13/15	SCI-2	548	568
2016-333	Rad	GELC	CASA-16-106220	11/13/15	SCI-2	548	568
2016-333	Rad	GELC	CASA-16-106248	11/13/15	SCI-2	548	568
2016-334	Inorganic	GELC	CAMO-16-106101	11/12/15	R-33 S1	995.5	1018.5
2016-334	Inorganic	GELC	CAMO-16-106106	11/12/15	R-44 S2	985.3	995.2
2016-334	Inorganic	GELC	CAMO-16-106105	11/12/15	R-44 S1	895	905
2016-334	Inorganic	GELC	CAMO-16-106122	11/12/15	R-33 S1	995.5	1018.5
2016-334	Inorganic	GELC	CAMO-16-106123	11/12/15	R-33 S2	1112.4	1122.3
2016-334	Inorganic	GELC	CAMO-16-106126	11/12/15	R-44 S1	895	905
2016-334	Inorganic	GELC	CAMO-16-106127	11/12/15	R-44 S2	985.3	995.2

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2016-334	Inorganic	GELC	CAMO-16-106102	11/12/15	R-33 S2	1112.4	1122.3
2016-334	Organic	GELC	CAMO-16-106106	11/12/15	R-44 S2	985.3	995.2
2016-334	Organic	GELC	CAMO-16-106101	11/12/15	R-33 S1	995.5	1018.5
2016-334	Organic	GELC	CAMO-16-106102	11/12/15	R-33 S2	1112.4	1122.3
2016-334	Organic	GELC	CAMO-16-106105	11/12/15	R-44 S1	895	905
2016-334	Rad	GELC	CAMO-16-106101	11/12/15	R-33 S1	995.5	1018.5
2016-334	Rad	GELC	CAMO-16-106106	11/12/15	R-44 S2	985.3	995.2
2016-334	Rad	GELC	CAMO-16-106102	11/12/15	R-33 S2	1112.4	1122.3
2016-334	Rad	GELC	CAMO-16-106105	11/12/15	R-44 S1	895	905
2016-350	Inorganic	GELC	CAMO-16-106104	11/16/15	R-42	931.8	952.9
2016-350	Inorganic	GELC	CAMO-16-106100	11/16/15	R-28	934.3	958.1
2016-350	Inorganic	GELC	CAMO-16-106121	11/16/15	R-28	934.3	958.1
2016-350	Inorganic	GELC	CAMO-16-106125	11/16/15	R-42	931.8	952.9
2016-350	Organic	GELC	CAMO-16-106104	11/16/15	R-42	931.8	952.9
2016-350	Organic	GELC	CAMO-16-106100	11/16/15	R-28	934.3	958.1
2016-350	Rad	GELC	CAMO-16-106104	11/16/15	R-42	931.8	952.9
2016-350	Rad	GELC	CAMO-16-106100	11/16/15	R-28	934.3	958.1
2016-351	Inorganic	GELC	CAMO-16-106094	11/16/15	MCOI-5	689.04	699
2016-351	Inorganic	GELC	CAMO-16-106115	11/16/15	MCOI-5	689.04	699
2016-351	Organic	GELC	CAMO-16-106094	11/16/15	MCOI-5	689.04	699
2016-351	Rad	GELC	CAMO-16-106094	11/16/15	MCOI-5	689.04	699
2016-364	Inorganic	GELC	CASA-16-106256	11/17/15	R-36	766.9	789.9
2016-364	Inorganic	GELC	CASA-16-106243	11/17/15	R-36	766.9	789.9
2016-364	Organic	GELC	CASA-16-106243	11/17/15	R-36	766.9	789.9
2016-364	Rad	GELC	CASA-16-106243	11/17/15	R-36	766.9	789.9
2016-375	Inorganic	GELC	CASA-16-106245	11/18/15	R-43 S2	969.1	979.1
2016-375	Inorganic	GELC	CASA-16-106257	11/18/15	R-43 S1	903.9	924.6
2016-375	Inorganic	GELC	CASA-16-106258	11/18/15	R-43 S2	969.1	979.1
2016-375	Inorganic	GELC	CASA-16-106244	11/18/15	R-43 S1	903.9	924.6
2016-375	Organic	GELC	CASA-16-106245	11/18/15	R-43 S2	969.1	979.1
2016-375	Organic	GELC	CASA-16-106244	11/18/15	R-43 S1	903.9	924.6
2016-375	Rad	GELC	CASA-16-106245	11/18/15	R-43 S2	969.1	979.1
2016-375	Rad	GELC	CASA-16-106244	11/18/15	R-43 S1	903.9	924.6
2016-378	Rad	ARSL	CASA-16-106245	11/18/15	R-43 S2	969.1	979.1
2016-378	Rad	ARSL	CASA-16-106243	11/17/15	R-36	766.9	789.9
2016-378	Rad	ARSL	CASA-16-106244	11/18/15	R-43 S1	903.9	924.6
2016-379	Rad	ARSL	CAMO-16-106106	11/12/15	R-44 S2	985.3	995.2
2016-379	Rad	ARSL	CAMO-16-106101	11/12/15	R-33 S1	995.5	1018.5
2016-379	Rad	ARSL	CAMO-16-106105	11/12/15	R-44 S1	895	905

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2016-383	Inorganic	GELC	CAMO-16-106114	11/19/15	R-62	1158.4	1179.1
2016-383	Inorganic	GELC	CAMO-16-106135	11/19/15	R-62	1158.4	1179.1
2016-383	Organic	GELC	CAMO-16-106114	11/19/15	R-62	1158.4	1179.1
2016-383	Rad	GELC	CAMO-16-106114	11/19/15	R-62	1158.4	1179.1
2016-389	Inorganic	GELC	CAMO-16-106096	11/20/15	R-1	1031.12	1057.42
2016-389	Inorganic	GELC	CAMO-16-106117	11/20/15	R-1	1031.12	1057.42
2016-389	Organic	GELC	CAMO-16-106096	11/20/15	R-1	1031.12	1057.42
2016-389	Rad	GELC	CAMO-16-106096	11/20/15	R-1	1031.12	1057.42
2016-392	Inorganic	GELC	CAMO-16-106099	11/20/15	R-15	958.6	1020.3
2016-392	Inorganic	GELC	CAMO-16-106120	11/20/15	R-15	958.6	1020.3
2016-392	Organic	GELC	CAMO-16-106099	11/20/15	R-15	958.6	1020.3
2016-392	Rad	GELC	CAMO-16-106099	11/20/15	R-15	958.6	1020.3
2016-399	Rad	ARSL	CAMO-16-106096	11/20/15	R-1	1031.12	1057.42
2016-399	Rad	ARSL	CAMO-16-106114	11/19/15	R-62	1158.4	1179.1
2016-414	Inorganic	GELC	CASA-16-106221	11/24/15	SIMR-2	885	905.4
2016-414	Inorganic	GELC	CASA-16-106262	11/24/15	SIMR-2	885	905.4
2016-414	Inorganic	GELC	CASA-16-106249	11/24/15	SIMR-2	885	905.4
2016-414	Inorganic	GELC	CASA-16-106223	11/24/15	SIMR-2	885	905.4
2016-414	Organic	GELC	CASA-16-106221	11/24/15	SIMR-2	885	905.4
2016-414	Organic	GELC	CASA-16-106249	11/24/15	SIMR-2	885	905.4
2016-414	Rad	GELC	CASA-16-106221	11/24/15	SIMR-2	885	905.4
2016-414	Rad	GELC	CASA-16-106249	11/24/15	SIMR-2	885	905.4
2016-418	Organic	CFA	CASA-16-106221	11/24/15	SIMR-2	885	905.4
2016-418	Organic	CFA	CASA-16-106249	11/24/15	SIMR-2	885	905.4
2016-452	Rad	ARSL	CASA-16-106221	11/24/15	SIMR-2	885	905.4
2016-452	Rad	ARSL	CASA-16-106249	11/24/15	SIMR-2	885	905.4

<sup>a</sup> GELC = General Engineering Laboratories, Inc., Charleston, SC.

<sup>b</sup> Rad = Radiochemistry (not gamma).

<sup>c</sup> CFA = Cape Fear Analytical, LLC.

<sup>d</sup> ARSL = American Radiation Services, Inc.

<sup>e</sup> UIL = University of Illinois, Urbana-Champaign.