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**Periodic Monitoring Report  
for Chromium Investigation  
Monitoring Group,  
January 31–February 13, 2013**

Prepared by the Environmental Programs Directorate

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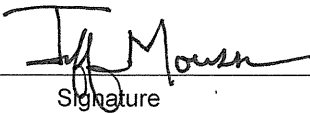
# Periodic Monitoring Report for Chromium Investigation Monitoring Group, January 31–February 13, 2013

August 2013


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## **EXECUTIVE SUMMARY**

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

The PME documented in this report occurred from January 31 to February 13, 2013, and included the monitoring of groundwater wells and well screens. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of a PME are also included in this report.

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

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

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



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- Plate 1 Groundwater elevations



## Acronyms and Abbreviations

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



## 1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of fiscal year 2013, second 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 2013 Monitoring Year, October 2012–September 2013 (2013 IFGMP) (LANL 2012, 225493), which was prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from January 31 to February 13, 2013, and included sampling of groundwater wells and well screens.

This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of a PME are also included in this report.

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

This report presents the following information:

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

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

### 1.1 Background

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

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

Mortandad Canyon is an east-to-southeast trending canyon that heads on the Pajarito Plateau near the main Laboratory complex at TA-03 at an elevation of 7380 ft. The drainage extends about 9.6 mi from its headwaters to its confluence with the Rio Grande at an elevation of 5440 ft. The canyon crosses San Ildefonso Pueblo land for several miles before joining the Rio Grande (LANL 1997, 056835). The Mortandad Canyon watershed is located in the central portion of the Laboratory and covers approximately 10 mi<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.

Chromium concentrations exceed the NMED groundwater standard in Mortandad Canyon regional aquifer wells R-28, R-62, R-42, and R-50. Other constituents detected above background in wells in the monitoring group include nitrate, perchlorate, and tritium. A conceptual model for the sources and distribution of these contaminants is presented in the Investigation Report for Sandia Canyon (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 2013 IFGMP (LANL 2012, 225493).

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

## **3.0 MONITORING RESULTS**

### **3.1 Methods and Procedures**

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

### **3.2 Field Parameter Results**

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

### 3.3 Groundwater Elevations

The periodic monitoring water-level data for the previous 2 yr are presented in Appendix B (on CD included with this document). For wells equipped with transducers, the reported water level is the water-level measurement taken earliest on the day of sampling. All manual measurements were recorded immediately before sampling. The groundwater-elevation measurements are shown graphically on Plate 1. No surface-water locations are sampled for this monitoring group.

### 3.4 Deviations from Planned Scope

Table 3.4-1 describes the fieldwork deviations from the planned scope of the PME. Table 3.4-2 presents a list of analytes for which the practical quantitation limits (PQLs) are greater than screening levels.

## 4.0 ANALYTICAL DATA RESULTS

### 4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PME are documented in the 2013 IFGMP (LANL 2012, 225493). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737), and ENV-RCRA-QP-010.3, Land Application of Groundwater. ENV-RCRA-QP-010.3 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling of purge water.

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

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

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

After the Laboratory receives the analytical laboratory data packages, the packages receive secondary validation. For data collected before March 2012, validation was done by an independent contractor, Analytical Quality Associates, Inc. (AQA). After that date, validation is done by an automated process after data are loaded.

Data validation determines the quality of an analytical data set. Data validation focuses on specific quality assurance samples, such as matrix spikes, duplicates, surrogates, method blanks, and laboratory control samples, and holding times, which indicate the accuracy and precision of the analyses. Based on the results, data qualifiers are applied to indicate data quality issues as well as the usability of results. This

process also includes a description of the reasons for any failure to meet method, procedural, or contractual requirements and an evaluation of the impact of such failure on the overall data set.

AQA's reviews follow the guidelines set in the DOE model SOP for data validation, which includes reviewing the data quality and the documentation's correctness and completeness, verifying that holding times were met, and ensuring that analytical laboratory QC measures were applied, documented, and kept within contract requirements. As a result of secondary validation, a second set of qualifiers was assigned to the analytical results.

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

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

## 4.2 Analytical Data

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

Appendix C contains all data collected during the PME (i.e., all data that have been independently reviewed for conformance with Laboratory requirements) with the following constraints.

- All data
  - ❖ Data that are R-qualified (rejected because of noncompliance regarding QC acceptance criteria) during independent validation are considered unusable but are still reported.
  - ❖ Analytical laboratory QC results, including matrix spike and matrix spike duplicates, and field blanks, trip blanks, and equipment blanks are not included in the data set.
  - ❖ Field duplicates, reanalyses, and results from different analytical methods are reported.
- Radionuclides
  - ❖ Only cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22 are reported (or analyzed) for the gamma spectroscopy suite.
  - ❖ Americium-241 and uranium-235 are reported only by chemical separation alpha spectroscopy. No gamma spectroscopy results are presented for these analytes.
  - ❖ Otherwise, all results are reported at all locations.
- Nonradionuclides
  - ❖ All detected results are reported.

Multiple analyses of a sample, including dilutions and reanalyses, create redundant results. These multiple results have the same sample ID, analytical laboratory code, and analytical method. The analytical and validation information is used to designate the preferred result, which is marked with a best

value flag of “Y” (yes). The redundant values of lower quality are assigned a best value flag of “N” (no). In cases where a reanalysis gives a significantly different result than an earlier value, the original result may be rejected and assigned a best value flag of N, and the reanalysis result may be marked with a best value flag of Y. The best value flag is included in Appendix C.

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

- The base-flow monitoring locations are assigned to one of two screening categories—perennial or ephemeral. Along with a hardness value, this category determines the screening levels used for data at each monitoring location. Hardness-dependent screening levels used to screen data at each base-flow monitoring location are determined using the geometric mean of hardness data (mg/L as calcium carbonate) collected from 2006 to 2010 at each location. Hardness-dependent acute and chronic criteria were used for total aluminum and dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc in accordance with the requirements of 20 New Mexico Administrative Code (NMAC) 6.4.
- Surface-water and groundwater perchlorate data were compared with the screening level of 4 µg/L established in Section VIII.A.1.a of the Consent Order.
- Other groundwater data are screened to Groundwater Cleanup Levels described in Section VIII.A.1 of the Consent Order; for an individual substance, the lesser of the EPA MCL or the NMWQCC groundwater standard is used.
- If an NMWQCC standard or an MCL has not been established for a specific substance for which toxicological information is published, the EPA Regional Screening Levels for Tap Water (formerly Region 6 Screening Levels for Tap Water) are used as the Groundwater Cleanup Level. These screening levels are for either a cancer or noncancer risk type. The Consent Order specifies screening at a  $10^{-5}$  excess cancer risk. The EPA screening levels are for  $10^{-6}$  excess cancer risk, so 10 times the EPA  $10^{-6}$  screening levels are used for screening.
- The NMWQCC groundwater standards apply to the dissolved (filtered) portion of specified contaminants; however, the standards for mercury, organic compounds, and nonaqueous-phase liquids apply to the total unfiltered concentrations of the contaminants. EPA MCLs are applied to both filtered and unfiltered sample results.
- The analytical results for radioactivity are compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Guides (DCGs) for groundwater.

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

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

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

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

#### **4.2.1 Surface Water (Base Flow)**

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

#### **4.2.2 Groundwater**

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

For the current PME, the filtered perchlorate concentration for intermediate groundwater well MCOI-6 was 56.3 µg/L, above the Consent Order screening level of 4 µg/L. Concentrations have decreased from 190 µg/L in 2007. The current result is the lowest measured at the well.

In MCOI-6, the filtered chromium concentration of 66.1 µg/L was above the NMWQCC groundwater standard screening level of 50 µg/L. Concentrations since 2007 have increased from 29.4 µg/L. The current result is the highest measured at the well.

The filtered chromium result of 435 µg/L at intermediate well SCI-2 was above the NMWQCC groundwater standard screening level of 50 µg/L. Results since October of 2008 have generally decreased from 658 µg/L to about 435 µg/L.

The perchlorate concentration in regional aquifer well R-61 S1 (screen 1) of 6.22 µg/L was also above the Consent Order screening level of 4 µg/L. Earlier measurements range from 2.96 µg/L to 7.37 µg/L.

In regional well R-28, the filtered chromium concentration was 433 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Other measurements since 2005 range from 310 µg/L to 472 µg/L and show no particular trend with time.

In regional well R-42, the filtered chromium concentration in a field duplicate sample was 1070 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. The primary sample result was 1040 µg/L. Concentrations since 2008 range from 744 µg/L to 1240 µg/L.

The filtered chromium concentration from regional aquifer well R-50 S1 was 98.1 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Values from earlier sampling events range from 49.8 µg/L to 99.8 µg/L.

The filtered chromium concentration from regional aquifer well R-62 was 123 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. This is the lowest concentration measured at this well; previous results are between 128 µg/L and 198 µg/L.



The filtered iron result at R-61 S2 of 1760 µg/L was above the NMWQCC groundwater standard screening level of 1000 µg/L (applicable to domestic water supply). Previous iron concentrations range from <100 µg/L to 5590 µg/L.

### **4.3 Sampling Program Modifications**

In its December 15, 2011, Approval, Extension Request to Submit the Phase II Investigation Report for Sandia Canyon (NMED 2011, 208852), NMED states that both wells R-61 and R-62 are affected by impacts from drilling and well construction; therefore, data acquired from the wells may not be representative of aquifer conditions. With the exception of the first sampling round from R-61, data show elevated concentrations of dissolved iron and manganese and low concentrations of chromium, indicating reducing conditions in the vicinity of both well screens. The results from all but the first sampling round are therefore not representative of ambient groundwater conditions in the vicinity of the well. The Laboratory submitted the Work Plan for Redevelopment of Monitoring Well R-61 to NMED on June 26, 2012 (LANL 2012, 221454), which NMED approved on July 10, 2012 (NMED 2012, 520923). The work plan proposes to redevelop both screens at R-61 using chemical augmentation. Sampling at R-61 was deferred until the redevelopment was complete. Implementation of the redevelopment work plan was completed on October 29, 2012, and the well was placed back into the routine sampling schedule. R-61 S1 was sampled on November 15, 2012, and R-61 S2 was sampled on November 16, 2012; the analytical results are presented in this PMR. The Laboratory is currently reviewing the history of postredevelopment data from R-61 to assess whether data from R-61 is representative and sufficient to support ongoing monitoring for the Chromium Investigation monitoring group. A report will be prepared for submittal to NMED in September 2013.

## **5.0 SUMMARY AND INTERPRETATIONS**

### **5.1 Monitoring Results**

The field parameter monitoring results are presented in Appendix A.

### **5.2 Analytical Results**

#### **5.2.1 Surface Water (Base Flow)**

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

#### **5.2.2 Groundwater**

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

For results above screening levels, except for the highest chromium result at MCOI-6, the types of contaminants detected and their concentrations are consistent with data reported from previous PMEs in this monitoring group.

### **5.3 Data Gaps**

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

## 5.4 Remediation System Monitoring

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

## 6.0 REFERENCES

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

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

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

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

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

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

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

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

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

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

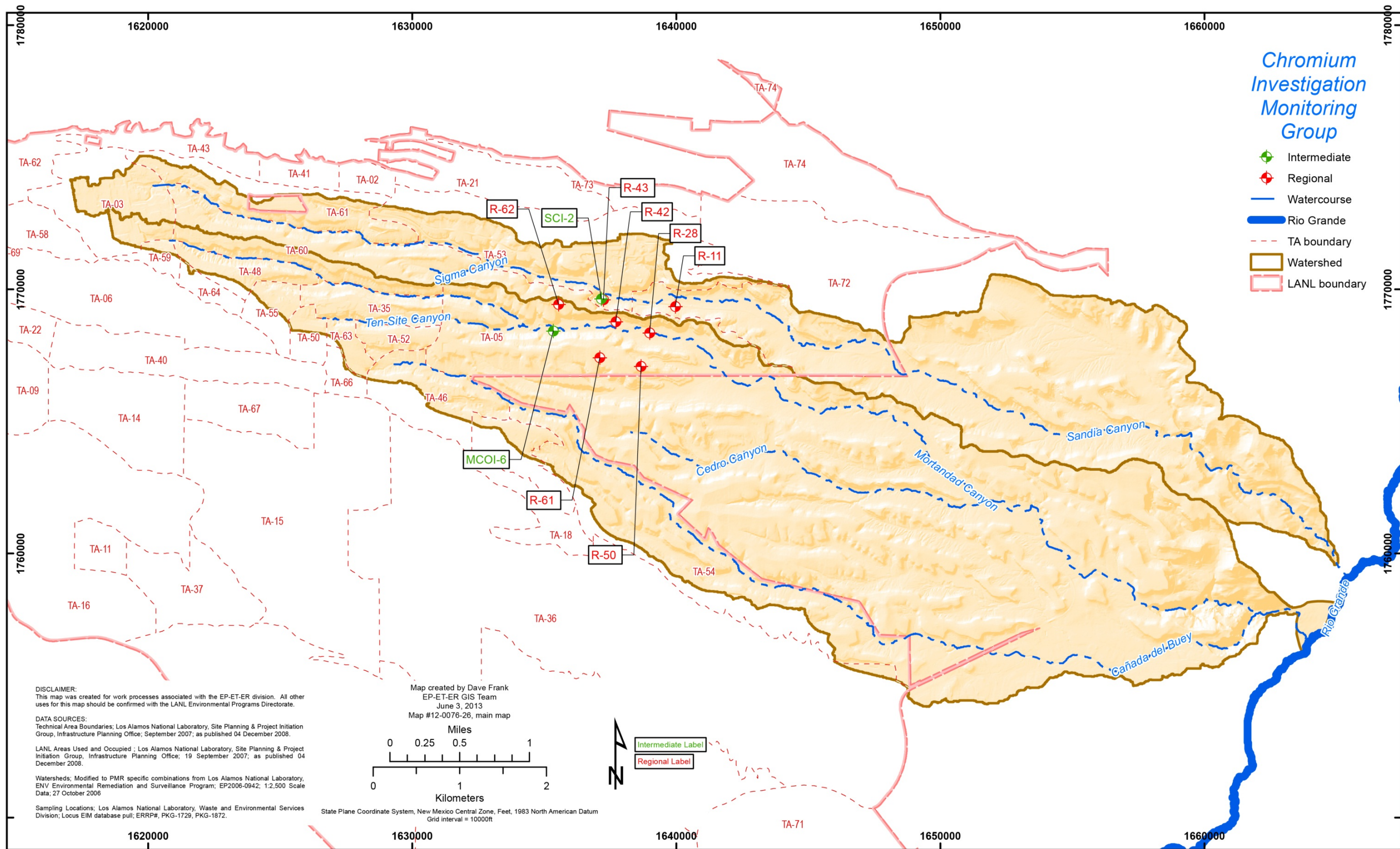


Figure 2.0-1 Locations scheduled to be monitored for this PME (see Table 3.4-1).



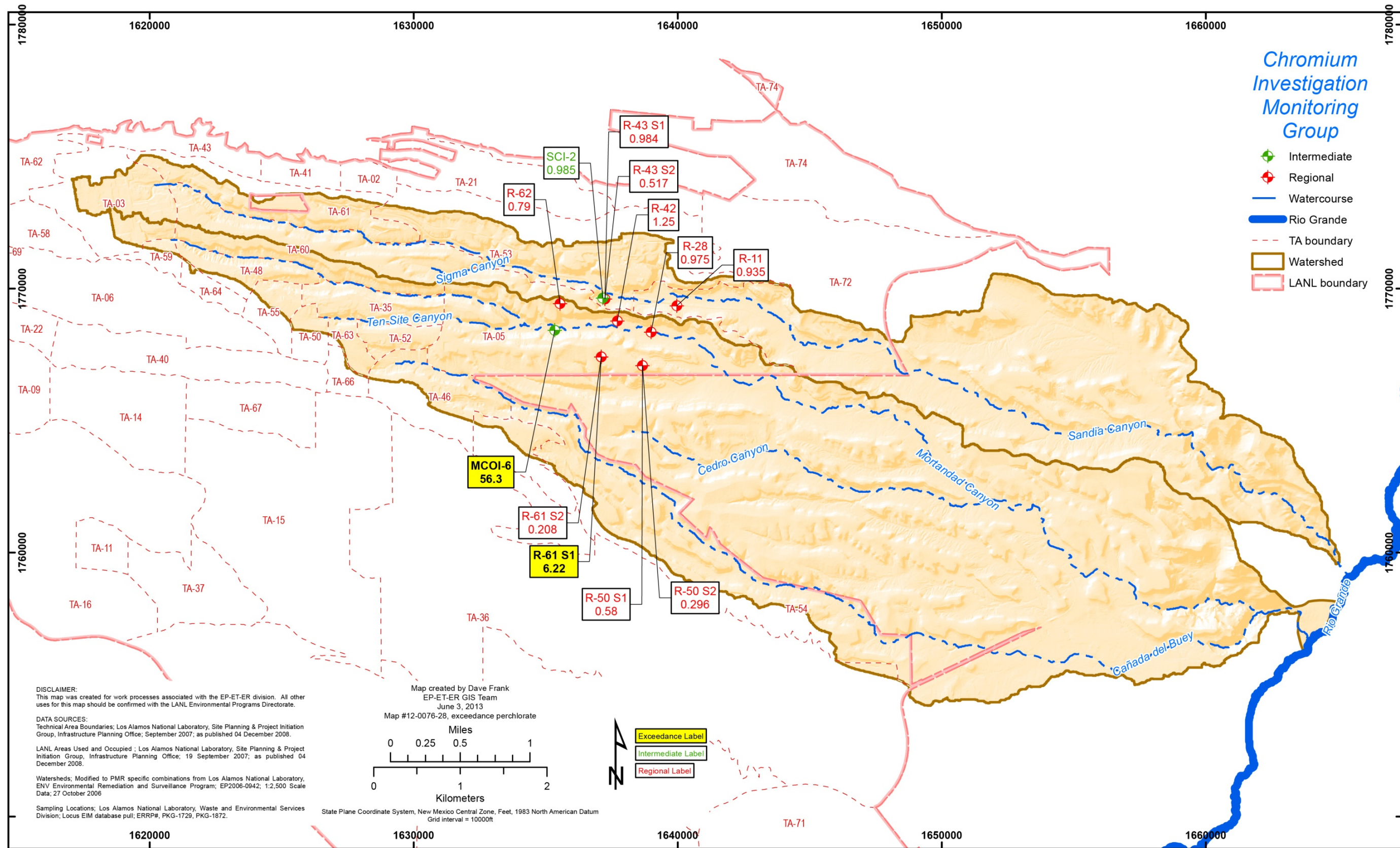


Figure 4.2-1 Monitoring group filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L.



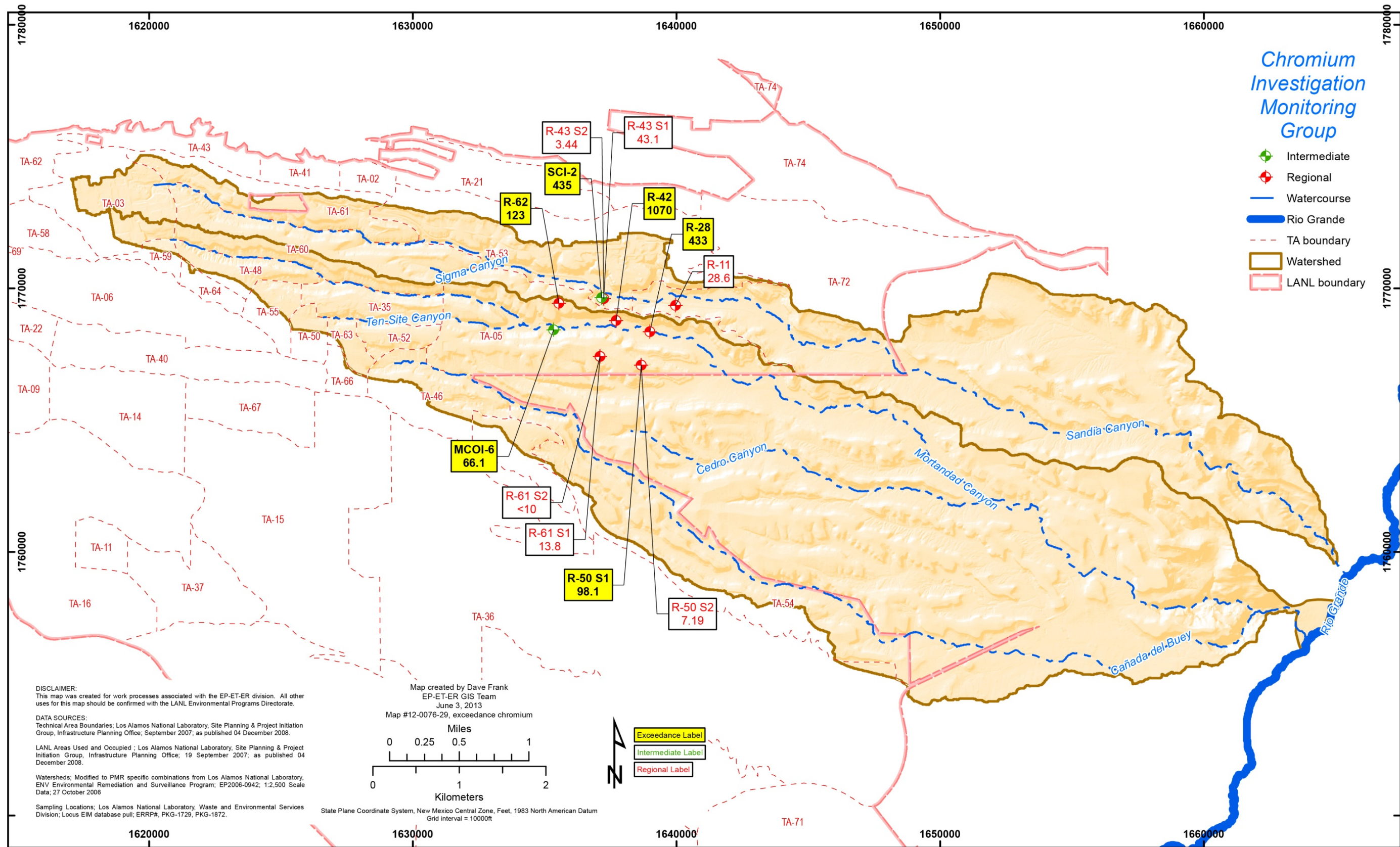


Figure 4.2-2 Monitoring group filtered chromium concentrations in µg/L. The NMWQCC groundwater standard screening level is 50 µg/L.



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

Location Name	Sample Collection Date	Screened Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge Rate (gpm*)
<b>Intermediate</b>							
MCOI-6	02/05/13	22.3	686	708.3	56.25	173.6	1.4
SCI-2	01/31/13	20	548	568	6.5	47.3	0.43
<b>Regional</b>							
R-11	02/04/13	22.9	855	877.9	52.14	174	2.9
R-28	02/01/13	23.8	934.3	958.1	89.16	269.8	3.8
R-42	02/01/13	21.1	931.8	952.9	52.8	159	2.6
R-43 S1	02/06/13	20.7	903.9	924.6	66.3	200	1.25
R-43 S2	02/07/13	10	969.1	979.1	25.5	78	1.27
R-50 S1	02/04/13	10	1077	1087	50.9	155	2.5
R-50 S2	01/31/13	20.59	1185	1205.6	96.49	290	1.5
R-61 S1	02/11/13	10	1125	1135	61	190	2
R-61 S2	02/12/13	20.59	1220.4	1241	84.6	258	2
R-62	02/05/13	20.7	1158.4	1179.1	46.7	148	1.28

\*gpm = Gallons per minute.

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

Location	Deviation	Cause	Comment
n/a*	n/a	n/a	No deviations for this PME

\*n/a = Not applicable.

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

Analyte or CAS <sup>a</sup> No.	Analyte Name	MDL <sup>b</sup>	PQL	Screening Level	Unit	Screening-Level Type
<b>Herbicides</b>						
94-74-6	MCPA <sup>c</sup>	12	53	18	µg/L	EPA Regional Tap
93-65-2	MCPD <sup>d</sup>	11	53	37	µg/L	EPA Regional Tap
<b>Metals</b>						
Be	Beryllium	1	5	4	µg/L	EPA MCL
<b>Semivolatile Organic Compounds</b>						
1912-24-9	Atrazine	3	10	3	µg/L	EPA MCL
103-33-3	Azobenzene	2	10	1.3	µg/L	EPA Regional Tap
92-87-5	Benzidine	3	10	0.00094	µg/L	EPA Regional Tap
56-55-3	Benzo(a)anthracene	0.2	1	0.29	µg/L	EPA Regional Tap
50-32-8	Benzo(a)pyrene	0.2	1	0.2	µg/L	EPA MCL
205-99-2	Benzo(b)fluoranthene	0.2	1	0.29	µg/L	EPA Regional Tap
111-44-4	Bis(2-chloroethyl)ether	2	10	0.12	µg/L	EPA Regional Tap
117-81-7	Bis(2-ethylhexyl)phthalate	2	10	6	µg/L	EPA MCL
106-47-8	Chloroaniline[4-]	2	10	3.4	µg/L	EPA Regional Tap
53-70-3	Dibenz(a,h)anthracene	0.2	1	0.029	µg/L	EPA Regional Tap
91-94-1	Dichlorobenzidine[3,3'-]	2	10	1.5	µg/L	EPA Regional Tap
534-52-1	Dinitro-2-methylphenol[4,6-]	3	10	2.9	µg/L	EPA Regional Tap
123-91-1	Dioxane[1,4-]	2	10	6.7	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	2	10	1	µg/L	EPA MCL
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	1	0.29	µg/L	EPA Regional Tap
55-18-5	Nitrosodiethylamine[N-]	2	10	0.0014	µg/L	EPA Regional Tap
62-75-9	Nitrosodimethylamine[N-]	2	10	0.0042	µg/L	EPA Regional Tap
924-16-3	Nitroso-di-n-butylamine[N-]	3	10	0.024	µg/L	EPA Regional Tap
621-64-7	Nitroso-di-n-propylamine[N-]	2	10	0.096	µg/L	EPA Regional Tap
930-55-2	Nitrosopyrrolidine[N-]	2	10	0.32	µg/L	EPA Regional Tap
108-60-1	Oxybis(1-chloropropane) [2,2'-]	2	10	3.2	µg/L	EPA Regional Tap
87-86-5	Pentachlorophenol	2	10	1	µg/L	EPA MCL
108-95-2	Phenol	1	10	5	µg/L	NMWQCC Groundwater Standard



**Table 3.4-2 (continued)**

Analyte or CAS <sup>a</sup> No.	Analyte Name	MDL <sup>b</sup>	PQL	Screening Level	Unit	Screening-Level Type
<b>Volatile Organic Compounds</b>						
107-02-8	Acrolein	1.3	5	0.042	µg/L	EPA Regional Tap
107-13-1	Acrylonitrile	1	5	0.45	µg/L	EPA Regional Tap
126-99-8	Chloro-1,3-butadiene[2-]	0.3	1	0.16	µg/L	EPA Regional Tap
96-12-8	Dibromo-3-chloropropane[1,2-]	0.3	1	0.2	µg/L	EPA MCL
106-93-4	Dibromoethane[1,2-]	0.25	1	0.05	µg/L	EPA MCL
126-98-7	Methacrylonitrile	1	5	1	µg/L	EPA Regional Tap
75-09-2	Methylene chloride	3	10	5	µg/L	EPA MCL
96-18-4	Trichloropropane[1,2,3-]	0.3	1	0.0072	µg/L	EPA Regional Tap

Note: This table is applicable to all samples reported in all PMRs.

<sup>a</sup> CAS = Chemical Abstracts Service.

<sup>b</sup> MDL = Method detection limit.

<sup>c</sup> MCPA = 2-Methyl-4-chlorophenoxyacetic acid.

<sup>d</sup> MCPP = 2-(4-Chloro-2-methylphenoxy)propanoic acid.

**Table 4.2-1  
Sources of Screening Levels for Groundwater  
and Surface Water at Los Alamos National Laboratory**

Standard Source	Standard Type	Groundwater	Surface Water
DOE Order 5400.5	DOE BCGs	n/a <sup>a</sup>	X <sup>b</sup>
DOE Order 5400.5	DOE 100-mrem Public Dose DCG	X	n/a
DOE Order 5400.5	DOE 4-mrem Drinking Water DCG	X	n/a
40 CFR <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
20 NMAC.3.4	New Mexico Environmental Improvement Board Radiation Protection Standards	X	X
20 NMAC 6.2	NMWQCC Groundwater Standard	X	n/a
20 NMAC 6.4	NMWQCC Irrigation Standard	n/a	X
20 NMAC 6.4	NMWQCC Livestock Watering Standard	n/a	X
20 NMAC 6.4	NMWQCC Wildlife Habitat Standard	n/a	X
20 NMAC 6.4	NMWQCC Aquatic Life Standards Acute	n/a	X
20 NMAC 6.4	NMWQCC Aquatic Life Standards Chronic	n/a	X
20 NMAC 6.4	NMWQCC Human Health Standard	n/a	X

<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.

**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-6	02/05/13	Perchlorate	F*	56.3	µg/L	4	Consent Order
MCOI-6	02/05/13	Chromium	F	66.1	µg/L	50	NMWQCC Groundwater Standard
SCI-2	01/31/13	Chromium	F	435	µg/L	50	NMWQCC Groundwater Standard
<b>Regional Groundwater</b>							
R-61 S1	02/11/13	Perchlorate	F	6.22	µg/L	4	Consent Order
R-28	02/01/13	Chromium	F	433	µg/L	50	NMWQCC Groundwater Standard
R-42	02/01/13	Chromium	F	1070	µg/L	50	NMWQCC Groundwater Standard
R-50 S1	02/04/13	Chromium	F	98.1	µg/L	50	NMWQCC Groundwater Standard
R-62	02/05/13	Chromium	F	123	µg/L	50	NMWQCC Groundwater Standard
R-61 S2	02/12/13	Iron	F	1760	µg/L	1000	NMWQCC Groundwater Standard

\*F = Filtered.

## **Appendix A**

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



Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	02/05/13	WG <sup>a</sup>	Dissolved Oxygen	7.14	mg/L	CAMO-13-28407
MCOI-6	686	11/02/12	WG	Dissolved Oxygen	7.18	mg/L	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Dissolved Oxygen	7.1	mg/L	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Dissolved Oxygen	6.97	mg/L	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Dissolved Oxygen	7.1	mg/L	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Dissolved Oxygen	7.1	mg/L	CAMO-12-12026
MCOI-6	686	02/05/13	WG	Oxidation-Reduction Potential	126.8	mV	CAMO-13-28407
MCOI-6	686	11/02/12	WG	Oxidation-Reduction Potential	110.6	mV	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Oxidation-Reduction Potential	104.5	mV	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Oxidation-Reduction Potential	197.9	mV	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Oxidation-Reduction Potential	211.6	mV	CAMO-12-12026
MCOI-6	686	03/05/12	WG	Oxidation-Reduction Potential	211.6	mV	CAMO-12-12017
MCOI-6	686	02/05/13	WG	pH	7.16	SU <sup>b</sup>	CAMO-13-28407
MCOI-6	686	11/02/12	WG	pH	7.18	SU	CAMO-13-24239
MCOI-6	686	08/17/12	WG	pH	8.32	SU	CAMO-12-21734
MCOI-6	686	06/04/12	WG	pH	7.2	SU	CAMO-12-14006
MCOI-6	686	03/05/12	WG	pH	7.25	SU	CAMO-12-12017
MCOI-6	686	03/05/12	WG	pH	7.25	SU	CAMO-12-12026
MCOI-6	686	02/05/13	WG	Specific Conductance	565	μS/cm	CAMO-13-28407
MCOI-6	686	11/02/12	WG	Specific Conductance	623	μS/cm	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Specific Conductance	594	μS/cm	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Specific Conductance	599	μS/cm	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Specific Conductance	602	μS/cm	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Specific Conductance	602	μS/cm	CAMO-12-12026
MCOI-6	686	02/05/13	WG	Temperature	14.81	deg C	CAMO-13-28407
MCOI-6	686	11/02/12	WG	Temperature	15.49	deg C	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Temperature	15.97	deg C	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Temperature	16.4	deg C	CAMO-12-14006

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	03/05/12	WG	Temperature	15.62	deg C	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Temperature	15.62	deg C	CAMO-12-12026
MCOI-6	686	02/05/13	WG	Turbidity	0.45	NTU <sup>c</sup>	CAMO-13-28407
MCOI-6	686	11/02/12	WG	Turbidity	0.43	NTU	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Turbidity	0.53	NTU	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Turbidity	0.42	NTU	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Turbidity	0.54	NTU	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Turbidity	0.54	NTU	CAMO-12-12026
R-11	855	02/04/13	WG	Dissolved Oxygen	7.48	mg/L	CASA-13-28357
R-11	855	11/05/12	WG	Dissolved Oxygen	7.17	mg/L	CASA-13-24209
R-11	855	08/17/12	WG	Dissolved Oxygen	7.54	mg/L	CASA-12-21643
R-11	855	05/21/12	WG	Dissolved Oxygen	7.11	mg/L	CASA-12-14057
R-11	855	05/21/12	WG	Dissolved Oxygen	7.11	mg/L	CASA-12-14062
R-11	855	03/07/12	WG	Dissolved Oxygen	7.36	mg/L	CASA-12-11709
R-11	855	02/04/13	WG	Oxidation-Reduction Potential	94.7	mV	CASA-13-28357
R-11	855	11/05/12	WG	Oxidation-Reduction Potential	100.3	mV	CASA-13-24209
R-11	855	08/17/12	WG	Oxidation-Reduction Potential	227.5	mV	CASA-12-21643
R-11	855	05/21/12	WG	Oxidation-Reduction Potential	224.8	mV	CASA-12-14057
R-11	855	05/21/12	WG	Oxidation-Reduction Potential	224.8	mV	CASA-12-14062
R-11	855	03/07/12	WG	Oxidation-Reduction Potential	131.7	mV	CASA-12-11709
R-11	855	02/04/13	WG	pH	7.95	SU	CASA-13-28357
R-11	855	11/05/12	WG	pH	8.04	SU	CASA-13-24209
R-11	855	08/17/12	WG	pH	7.98	SU	CASA-12-21643
R-11	855	05/21/12	WG	pH	8.03	SU	CASA-12-14057
R-11	855	05/21/12	WG	pH	8.03	SU	CASA-12-14062
R-11	855	03/07/12	WG	pH	7.97	SU	CASA-12-11709
R-11	855	02/04/13	WG	Specific Conductance	227	μS/cm	CASA-13-28357
R-11	855	11/05/12	WG	Specific Conductance	226	μS/cm	CASA-13-24209

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-11	855	08/17/12	WG	Specific Conductance	234	µS/cm	CASA-12-21643
R-11	855	05/21/12	WG	Specific Conductance	230	µS/cm	CASA-12-14057
R-11	855	05/21/12	WG	Specific Conductance	230	µS/cm	CASA-12-14062
R-11	855	03/07/12	WG	Specific Conductance	223	µS/cm	CASA-12-11709
R-11	855	02/04/13	WG	Temperature	21.15	deg C	CASA-13-28357
R-11	855	11/05/12	WG	Temperature	21.38	deg C	CASA-13-24209
R-11	855	08/17/12	WG	Temperature	21.38	deg C	CASA-12-21643
R-11	855	05/21/12	WG	Temperature	21.87	deg C	CASA-12-14057
R-11	855	05/21/12	WG	Temperature	21.87	deg C	CASA-12-14062
R-11	855	03/07/12	WG	Temperature	20.59	deg C	CASA-12-11709
R-11	855	02/04/13	WG	Turbidity	0.28	NTU	CASA-13-28357
R-11	855	11/05/12	WG	Turbidity	0.34	NTU	CASA-13-24209
R-11	855	08/17/12	WG	Turbidity	0.17	NTU	CASA-12-21643
R-11	855	05/21/12	WG	Turbidity	0.2	NTU	CASA-12-14057
R-11	855	05/21/12	WG	Turbidity	0.2	NTU	CASA-12-14062
R-11	855	03/07/12	WG	Turbidity	0.46	NTU	CASA-12-11709
R-28	934.3	02/01/13	WG	Dissolved Oxygen	6.58	mg/L	CAMO-13-28408
R-28	934.3	10/31/12	WG	Dissolved Oxygen	6.55	mg/L	CAMO-13-24260
R-28	934.3	08/08/12	WG	Dissolved Oxygen	6.72	mg/L	CAMO-12-21735
R-28	934.3	05/24/12	WG	Dissolved Oxygen	6.49	mg/L	CAMO-12-14023
R-28	934.3	03/13/12	WG	Dissolved Oxygen	6.58	mg/L	CAMO-12-12018
R-28	934.3	02/01/13	WG	Oxidation-Reduction Potential	53.5	mV	CAMO-13-28408
R-28	934.3	10/31/12	WG	Oxidation-Reduction Potential	183.7	mV	CAMO-13-24260
R-28	934.3	08/08/12	WG	Oxidation-Reduction Potential	220.8	mV	CAMO-12-21735
R-28	934.3	05/24/12	WG	Oxidation-Reduction Potential	207.4	mV	CAMO-12-14023
R-28	934.3	03/13/12	WG	Oxidation-Reduction Potential	98.7	mV	CAMO-12-12018
R-28	934.3	02/01/13	WG	pH	7.68	SU	CAMO-13-28408
R-28	934.3	10/31/12	WG	pH	7.63	SU	CAMO-13-24260

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-28	934.3	08/08/12	WG	pH	7.56	SU	CAMO-12-21735
R-28	934.3	05/24/12	WG	pH	7.54	SU	CAMO-12-14023
R-28	934.3	03/13/12	WG	pH	7.49	SU	CAMO-12-12018
R-28	934.3	02/01/13	WG	Specific Conductance	412	µS/cm	CAMO-13-28408
R-28	934.3	10/31/12	WG	Specific Conductance	435	µS/cm	CAMO-13-24260
R-28	934.3	08/08/12	WG	Specific Conductance	421	µS/cm	CAMO-12-21735
R-28	934.3	05/24/12	WG	Specific Conductance	417	µS/cm	CAMO-12-14023
R-28	934.3	03/13/12	WG	Specific Conductance	436	µS/cm	CAMO-12-12018
R-28	934.3	02/01/13	WG	Temperature	19.17	deg C	CAMO-13-28408
R-28	934.3	10/31/12	WG	Temperature	20.48	deg C	CAMO-13-24260
R-28	934.3	08/08/12	WG	Temperature	21.17	deg C	CAMO-12-21735
R-28	934.3	05/24/12	WG	Temperature	21.21	deg C	CAMO-12-14023
R-28	934.3	03/13/12	WG	Temperature	20.66	deg C	CAMO-12-12018
R-28	934.3	02/01/13	WG	Turbidity	0.46	NTU	CAMO-13-28408
R-28	934.3	10/31/12	WG	Turbidity	0.45	NTU	CAMO-13-24260
R-28	934.3	08/08/12	WG	Turbidity	0.65	NTU	CAMO-12-21735
R-28	934.3	05/24/12	WG	Turbidity	0.69	NTU	CAMO-12-14023
R-28	934.3	03/13/12	WG	Turbidity	5.2	NTU	CAMO-12-12018
R-42	931.8	02/01/13	WG	Dissolved Oxygen	7.2	mg/L	CAMO-13-28409
R-42	931.8	10/31/12	WG	Dissolved Oxygen	6.99	mg/L	CAMO-13-24244
R-42	931.8	08/08/12	WG	Dissolved Oxygen	6.82	mg/L	CAMO-12-21736
R-42	931.8	05/23/12	WG	Dissolved Oxygen	6.84	mg/L	CAMO-12-14009
R-42	931.8	03/09/12	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-12020
R-42	931.8	03/09/12	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-12029
R-42	931.8	02/01/13	WG	Oxidation-Reduction Potential	208.4	mV	CAMO-13-28409
R-42	931.8	10/31/12	WG	Oxidation-Reduction Potential	114.4	mV	CAMO-13-24244
R-42	931.8	08/08/12	WG	Oxidation-Reduction Potential	227	mV	CAMO-12-21736
R-42	931.8	05/23/12	WG	Oxidation-Reduction Potential	243.2	mV	CAMO-12-14009



Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-42	931.8	03/09/12	WG	Oxidation-Reduction Potential	6.4	mV	CAMO-12-12020
R-42	931.8	03/09/12	WG	Oxidation-Reduction Potential	6.4	mV	CAMO-12-12029
R-42	931.8	02/01/13	WG	pH	7.75	SU	CAMO-13-28409
R-42	931.8	10/31/12	WG	pH	7.48	SU	CAMO-13-24244
R-42	931.8	08/08/12	WG	pH	7.36	SU	CAMO-12-21736
R-42	931.8	05/23/12	WG	pH	7.5	SU	CAMO-12-14009
R-42	931.8	03/09/12	WG	pH	7.49	SU	CAMO-12-12020
R-42	931.8	03/09/12	WG	pH	7.49	SU	CAMO-12-12029
R-42	931.8	02/01/13	WG	Specific Conductance	495	μS/cm	CAMO-13-28409
R-42	931.8	10/31/12	WG	Specific Conductance	480	μS/cm	CAMO-13-24244
R-42	931.8	08/08/12	WG	Specific Conductance	488	μS/cm	CAMO-12-21736
R-42	931.8	05/23/12	WG	Specific Conductance	486	μS/cm	CAMO-12-14009
R-42	931.8	03/09/12	WG	Specific Conductance	483	μS/cm	CAMO-12-12020
R-42	931.8	03/09/12	WG	Specific Conductance	483	μS/cm	CAMO-12-12029
R-42	931.8	02/01/13	WG	Temperature	19.72	deg C	CAMO-13-28409
R-42	931.8	10/31/12	WG	Temperature	19.49	deg C	CAMO-13-24244
R-42	931.8	08/08/12	WG	Temperature	21.18	deg C	CAMO-12-21736
R-42	931.8	05/23/12	WG	Temperature	20.69	deg C	CAMO-12-14009
R-42	931.8	03/09/12	WG	Temperature	18.42	deg C	CAMO-12-12020
R-42	931.8	03/09/12	WG	Temperature	18.42	deg C	CAMO-12-12029
R-42	931.8	02/01/13	WG	Turbidity	0.58	NTU	CAMO-13-28409
R-42	931.8	10/31/12	WG	Turbidity	1.79	NTU	CAMO-13-24244
R-42	931.8	08/08/12	WG	Turbidity	0.66	NTU	CAMO-12-21736
R-42	931.8	05/23/12	WG	Turbidity	1.42	NTU	CAMO-12-14009
R-42	931.8	03/09/12	WG	Turbidity	0.84	NTU	CAMO-12-12020
R-42	931.8	03/09/12	WG	Turbidity	0.84	NTU	CAMO-12-12029
R-43 S1	903.9	02/06/13	WG	Dissolved Oxygen	7.07	mg/L	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	Dissolved Oxygen	6.88	mg/L	CASA-13-24213

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S1	903.9	08/14/12	WG	Dissolved Oxygen	6.86	mg/L	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Dissolved Oxygen	7.05	mg/L	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Dissolved Oxygen	7.04	mg/L	CASA-12-11710
R-43 S1	903.9	02/06/13	WG	Oxidation-Reduction Potential	166.1	mV	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	Oxidation-Reduction Potential	83.3	mV	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Oxidation-Reduction Potential	244.2	mV	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Oxidation-Reduction Potential	229.9	mV	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Oxidation-Reduction Potential	151	mV	CASA-12-11710
R-43 S1	903.9	02/06/13	WG	pH	8.22	SU	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	pH	8.23	SU	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	pH	8.12	SU	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	pH	8.2	SU	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	pH	8.33	SU	CASA-12-11710
R-43 S1	903.9	02/06/13	WG	Specific Conductance	180	µS/cm	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	Specific Conductance	176	µS/cm	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Specific Conductance	181	µS/cm	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Specific Conductance	173	µS/cm	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Specific Conductance	177	µS/cm	CASA-12-11710
R-43 S1	903.9	02/06/13	WG	Temperature	18.9	deg C	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	Temperature	20.18	deg C	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Temperature	20.4	deg C	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Temperature	20.85	deg C	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Temperature	19.71	deg C	CASA-12-11710
R-43 S1	903.9	02/06/13	WG	Turbidity	0.39	NTU	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	Turbidity	0.51	NTU	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Turbidity	0.35	NTU	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Turbidity	0.53	NTU	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Turbidity	0.33	NTU	CASA-12-11710

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	02/07/13	WG	Dissolved Oxygen	3.26	mg/L	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	Dissolved Oxygen	3.07	mg/L	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Dissolved Oxygen	2.95	mg/L	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Dissolved Oxygen	3.09	mg/L	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Dissolved Oxygen	3.42	mg/L	CASA-12-11715
R-43 S2	969.1	02/07/13	WG	Oxidation-Reduction Potential	58.4	mV	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	Oxidation-Reduction Potential	60.9	mV	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Oxidation-Reduction Potential	161.5	mV	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Oxidation-Reduction Potential	202.6	mV	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Oxidation-Reduction Potential	-147.3	mV	CASA-12-11715
R-43 S2	969.1	02/07/13	WG	pH	8.78	SU	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	pH	8.78	SU	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	pH	8.71	SU	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	pH	8.72	SU	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	pH	8.88	SU	CASA-12-11715
R-43 S2	969.1	02/07/13	WG	Specific Conductance	183	µS/cm	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	Specific Conductance	183	µS/cm	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Specific Conductance	191	µS/cm	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Specific Conductance	181	µS/cm	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Specific Conductance	189	µS/cm	CASA-12-11715
R-43 S2	969.1	02/07/13	WG	Temperature	18.88	deg C	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	Temperature	20.16	deg C	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Temperature	19.96	deg C	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Temperature	20.78	deg C	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Temperature	19.12	deg C	CASA-12-11715
R-43 S2	969.1	02/07/13	WG	Turbidity	0.23	NTU	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	Turbidity	0.38	NTU	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Turbidity	0.19	NTU	CASA-12-21649

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	05/22/12	WG	Turbidity	0.29	NTU	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Turbidity	0.61	NTU	CASA-12-11715
R-50 S1	1077	02/04/13	WG	Dissolved Oxygen	5.49	mg/L	CAMO-13-28410
R-50 S1	1077	11/09/12	WG	Dissolved Oxygen	5.55	mg/L	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Dissolved Oxygen	5.27	mg/L	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Dissolved Oxygen	5.33	mg/L	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Dissolved Oxygen	5.47	mg/L	CAMO-12-12021
R-50 S1	1077	02/04/13	WG	Oxidation-Reduction Potential	155.1	mV	CAMO-13-28410
R-50 S1	1077	11/09/12	WG	Oxidation-Reduction Potential	81.5	mV	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Oxidation-Reduction Potential	156.6	mV	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Oxidation-Reduction Potential	87.4	mV	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Oxidation-Reduction Potential	-6.9	mV	CAMO-12-12021
R-50 S1	1077	02/04/13	WG	pH	7.91	SU	CAMO-13-28410
R-50 S1	1077	11/09/12	WG	pH	8.04	SU	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	pH	8.02	SU	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	pH	7.94	SU	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	pH	7.93	SU	CAMO-12-12021
R-50 S1	1077	02/04/13	WG	Specific Conductance	164	µS/cm	CAMO-13-28410
R-50 S1	1077	11/09/12	WG	Specific Conductance	185	µS/cm	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Specific Conductance	175	µS/cm	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Specific Conductance	186	µS/cm	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Specific Conductance	182	µS/cm	CAMO-12-12021
R-50 S1	1077	02/04/13	WG	Temperature	19.01	deg C	CAMO-13-28410
R-50 S1	1077	11/09/12	WG	Temperature	18.06	deg C	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Temperature	20.7	deg C	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Temperature	21.25	deg C	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Temperature	19.42	deg C	CAMO-12-12021
R-50 S1	1077	02/04/13	WG	Turbidity	0.4	NTU	CAMO-13-28410

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S1	1077	11/09/12	WG	Turbidity	0.63	NTU	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Turbidity	0.82	NTU	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Turbidity	0.58	NTU	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Turbidity	0.76	NTU	CAMO-12-12021
R-50 S2	1185	01/31/13	WG	Dissolved Oxygen	7.27	mg/L	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	Dissolved Oxygen	7.04	mg/L	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Dissolved Oxygen	6.93	mg/L	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Dissolved Oxygen	6.93	mg/L	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Dissolved Oxygen	6.89	mg/L	CAMO-12-12022
R-50 S2	1185	01/31/13	WG	Oxidation-Reduction Potential	-14.4	mV	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	Oxidation-Reduction Potential	74	mV	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Oxidation-Reduction Potential	201.7	mV	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Oxidation-Reduction Potential	128.8	mV	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Oxidation-Reduction Potential	82.7	mV	CAMO-12-12022
R-50 S2	1185	01/31/13	WG	pH	8.1	SU	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	pH	8.13	SU	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	pH	8.06	SU	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	pH	8.06	SU	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	pH	8.24	SU	CAMO-12-12022
R-50 S2	1185	01/31/13	WG	Specific Conductance	135	μS/cm	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	Specific Conductance	139	μS/cm	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Specific Conductance	127	μS/cm	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Specific Conductance	133	μS/cm	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Specific Conductance	127	μS/cm	CAMO-12-12022
R-50 S2	1185	01/31/13	WG	Temperature	19.45	deg C	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	Temperature	18.57	deg C	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Temperature	21.64	deg C	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Temperature	21.56	deg C	CAMO-12-14015

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S2	1185	03/07/12	WG	Temperature	20.79	deg C	CAMO-12-12022
R-50 S2	1185	01/31/13	WG	Turbidity	1.83	NTU	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	Turbidity	1.24	NTU	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Turbidity	0.43	NTU	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Turbidity	1.93	NTU	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Turbidity	0.64	NTU	CAMO-12-12022
R-61 S1	1125	02/11/13	WG	Dissolved Oxygen	5.44	mg/L	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	Dissolved Oxygen	4.77	mg/L	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	0.48	mg/L	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	0.42	mg/L	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	0.76	mg/L	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	1.51	mg/L	CAMO-12-13965
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	3.11	mg/L	CAMO-12-2236
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	2.57	mg/L	CAMO-12-2238
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	3.8	mg/L	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	0.74	mg/L	CAMO-12-2243
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	2.08	mg/L	CAMO-12-2245
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	1.68	mg/L	CAMO-12-2239
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	1.18	mg/L	CAMO-12-2241
R-61 S1	1125	02/07/12	WG	Dissolved Oxygen	3.8	mg/L	CAMO-12-2248
R-61 S1	1125	11/21/11	WG	Dissolved Oxygen	0.49	mg/L	CAMO-12-1429
R-61 S1	1125	11/21/11	WG	Dissolved Oxygen	2.11	mg/L	CAMO-12-1511
R-61 S1	1125	11/21/11	WG	Dissolved Oxygen	1.06	mg/L	CAMO-12-1431
R-61 S1	1125	11/21/11	WG	Dissolved Oxygen	2.11	mg/L	CAMO-12-1433
R-61 S1	1125	02/11/13	WG	Oxidation-Reduction Potential	14.5	mV	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	Oxidation-Reduction Potential	202.1	mV	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-52.2	mV	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-74.3	mV	CAMO-12-13963

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-42.1	mV	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-23.5	mV	CAMO-12-13965
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-39.9	mV	CAMO-12-2236
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-62.2	mV	CAMO-12-2238
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-13.6	mV	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-98.6	mV	CAMO-12-2243
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-142.6	mV	CAMO-12-2245
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-67.1	mV	CAMO-12-2239
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-74.2	mV	CAMO-12-2241
R-61 S1	1125	02/07/12	WG	Oxidation-Reduction Potential	-13.6	mV	CAMO-12-2248
R-61 S1	1125	11/21/11	WG	Oxidation-Reduction Potential	-89.5	mV	CAMO-12-1429
R-61 S1	1125	11/21/11	WG	Oxidation-Reduction Potential	-72.3	mV	CAMO-12-1511
R-61 S1	1125	11/21/11	WG	Oxidation-Reduction Potential	-83.9	mV	CAMO-12-1431
R-61 S1	1125	11/21/11	WG	Oxidation-Reduction Potential	-72.3	mV	CAMO-12-1433
R-61 S1	1125	02/11/13	WG	pH	6.65	SU	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	pH	6.53	SU	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	pH	6.65	SU	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	pH	7.07	SU	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	pH	7.04	SU	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	pH	7	SU	CAMO-12-13965
R-61 S1	1125	02/07/12	WG	pH	7.03	SU	CAMO-12-2236
R-61 S1	1125	02/07/12	WG	pH	6.99	SU	CAMO-12-2238
R-61 S1	1125	02/07/12	WG	pH	7.08	SU	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	pH	7.02	SU	CAMO-12-2243
R-61 S1	1125	02/07/12	WG	pH	7.03	SU	CAMO-12-2245
R-61 S1	1125	02/07/12	WG	pH	6.94	SU	CAMO-12-2239
R-61 S1	1125	02/07/12	WG	pH	6.93	SU	CAMO-12-2241
R-61 S1	1125	02/07/12	WG	pH	7.08	SU	CAMO-12-2248

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	11/21/11	WG	pH	7.23	SU	CAMO-12-1429
R-61 S1	1125	11/21/11	WG	pH	7.23	SU	CAMO-12-1511
R-61 S1	1125	11/21/11	WG	pH	7.2	SU	CAMO-12-1431
R-61 S1	1125	11/21/11	WG	pH	7.23	SU	CAMO-12-1433
R-61 S1	1125	02/11/13	WG	Specific Conductance	167	µS/cm	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	Specific Conductance	180	µS/cm	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Specific Conductance	200	µS/cm	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	Specific Conductance	172	µS/cm	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Specific Conductance	157	µS/cm	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Specific Conductance	157	µS/cm	CAMO-12-13965
R-61 S1	1125	02/07/12	WG	Specific Conductance	148	µS/cm	CAMO-12-2236
R-61 S1	1125	02/07/12	WG	Specific Conductance	163	µS/cm	CAMO-12-2238
R-61 S1	1125	02/07/12	WG	Specific Conductance	139	µS/cm	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	Specific Conductance	171	µS/cm	CAMO-12-2243
R-61 S1	1125	02/07/12	WG	Specific Conductance	189	µS/cm	CAMO-12-2245
R-61 S1	1125	02/07/12	WG	Specific Conductance	173	µS/cm	CAMO-12-2239
R-61 S1	1125	02/07/12	WG	Specific Conductance	175	µS/cm	CAMO-12-2241
R-61 S1	1125	02/07/12	WG	Specific Conductance	139	µS/cm	CAMO-12-2248
R-61 S1	1125	11/21/11	WG	Specific Conductance	177	µS/cm	CAMO-12-1429
R-61 S1	1125	11/21/11	WG	Specific Conductance	143	µS/cm	CAMO-12-1511
R-61 S1	1125	11/21/11	WG	Specific Conductance	172	µS/cm	CAMO-12-1431
R-61 S1	1125	11/21/11	WG	Specific Conductance	143	µS/cm	CAMO-12-1433
R-61 S1	1125	02/11/13	WG	Temperature	19.43	deg C	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	Temperature	19.4	deg C	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Temperature	20.09	deg C	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	Temperature	20.38	deg C	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Temperature	20.86	deg C	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Temperature	21.28	deg C	CAMO-12-13965



Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	02/07/12	WG	Temperature	19	deg C	CAMO-12-2236
R-61 S1	1125	02/07/12	WG	Temperature	19.99	deg C	CAMO-12-2238
R-61 S1	1125	02/07/12	WG	Temperature	18.59	deg C	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	Temperature	16.66	deg C	CAMO-12-2243
R-61 S1	1125	02/07/12	WG	Temperature	13.46	deg C	CAMO-12-2245
R-61 S1	1125	02/07/12	WG	Temperature	16.93	deg C	CAMO-12-2239
R-61 S1	1125	02/07/12	WG	Temperature	18.17	deg C	CAMO-12-2241
R-61 S1	1125	02/07/12	WG	Temperature	18.59	deg C	CAMO-12-2248
R-61 S1	1125	11/21/11	WG	Temperature	17.83	deg C	CAMO-12-1429
R-61 S1	1125	11/21/11	WG	Temperature	19.9	deg C	CAMO-12-1511
R-61 S1	1125	11/21/11	WG	Temperature	20.08	deg C	CAMO-12-1431
R-61 S1	1125	11/21/11	WG	Temperature	19.9	deg C	CAMO-12-1433
R-61 S1	1125	02/11/13	WG	Turbidity	4.4	NTU	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	Turbidity	4.55	NTU	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Turbidity	2.86	NTU	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	Turbidity	5.86	NTU	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Turbidity	4.49	NTU	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Turbidity	1.29	NTU	CAMO-12-13965
R-61 S1	1125	02/07/12	WG	Turbidity	1.61	NTU	CAMO-12-2236
R-61 S1	1125	02/07/12	WG	Turbidity	1.24	NTU	CAMO-12-2238
R-61 S1	1125	02/07/12	WG	Turbidity	4.35	NTU	CAMO-12-2229
R-61 S1	1125	02/07/12	WG	Turbidity	2.71	NTU	CAMO-12-2243
R-61 S1	1125	02/07/12	WG	Turbidity	1.32	NTU	CAMO-12-2245
R-61 S1	1125	02/07/12	WG	Turbidity	1.43	NTU	CAMO-12-2239
R-61 S1	1125	02/07/12	WG	Turbidity	1.8	NTU	CAMO-12-2241
R-61 S1	1125	02/07/12	WG	Turbidity	4.35	NTU	CAMO-12-2248
R-61 S1	1125	11/21/11	WG	Turbidity	2.75	NTU	CAMO-12-1429
R-61 S1	1125	11/21/11	WG	Turbidity	1.74	NTU	CAMO-12-1511

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	11/21/11	WG	Turbidity	1.67	NTU	CAMO-12-1431
R-61 S1	1125	11/21/11	WG	Turbidity	1.74	NTU	CAMO-12-1433
R-61 S2	1220.4	02/12/13	WG	Dissolved Oxygen	1.85	mg/L	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	Dissolved Oxygen	3.34	mg/L	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	1.18	mg/L	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	0.3	mg/L	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	0.39	mg/L	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	0.42	mg/L	CAMO-12-13969
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	0.39	mg/L	CAMO-12-2253
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	1.11	mg/L	CAMO-12-2251
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	0.27	mg/L	CAMO-12-2256
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	0.23	mg/L	CAMO-12-2258
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	2.11	mg/L	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	Dissolved Oxygen	7.07	mg/L	CAMO-12-2259
R-61 S2	1220.4	11/18/11	WG	Dissolved Oxygen	0.3	mg/L	CAMO-12-1443
R-61 S2	1220.4	11/18/11	WG	Dissolved Oxygen	1.17	mg/L	CAMO-12-1445
R-61 S2	1220.4	11/18/11	WG	Dissolved Oxygen	1.48	mg/L	CAMO-12-1447
R-61 S2	1220.4	11/18/11	WG	Dissolved Oxygen	1.76	mg/L	CAMO-12-1449
R-61 S2	1220.4	11/18/11	WG	Dissolved Oxygen	1.76	mg/L	CAMO-12-1516
R-61 S2	1220.4	02/12/13	WG	Oxidation-Reduction Potential	-83.4	mV	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	Oxidation-Reduction Potential	48.7	mV	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-148.9	mV	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-77.3	mV	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-78.1	mV	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-59.4	mV	CAMO-12-13969
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	-100.3	mV	CAMO-12-2253
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	-77.9	mV	CAMO-12-2251
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	-102.1	mV	CAMO-12-2256

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	-100.1	mV	CAMO-12-2258
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	-61.6	mV	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	Oxidation-Reduction Potential	160.8	mV	CAMO-12-2259
R-61 S2	1220.4	11/18/11	WG	Oxidation-Reduction Potential	-104.8	mV	CAMO-12-1443
R-61 S2	1220.4	11/18/11	WG	Oxidation-Reduction Potential	-83.3	mV	CAMO-12-1445
R-61 S2	1220.4	11/18/11	WG	Oxidation-Reduction Potential	-82.3	mV	CAMO-12-1447
R-61 S2	1220.4	11/18/11	WG	Oxidation-Reduction Potential	-80.3	mV	CAMO-12-1449
R-61 S2	1220.4	11/18/11	WG	Oxidation-Reduction Potential	-80.3	mV	CAMO-12-1516
R-61 S2	1220.4	02/12/13	WG	pH	6.47	SU	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	pH	6.46	SU	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	pH	7.13	SU	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	pH	6.82	SU	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	pH	6.82	SU	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	pH	6.81	SU	CAMO-12-13969
R-61 S2	1220.4	02/08/12	WG	pH	7.17	SU	CAMO-12-2253
R-61 S2	1220.4	02/08/12	WG	pH	7.12	SU	CAMO-12-2251
R-61 S2	1220.4	02/08/12	WG	pH	7.14	SU	CAMO-12-2256
R-61 S2	1220.4	02/08/12	WG	pH	7	SU	CAMO-12-2258
R-61 S2	1220.4	02/08/12	WG	pH	7.21	SU	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	pH	6.99	SU	CAMO-12-2259
R-61 S2	1220.4	11/18/11	WG	pH	6.95	SU	CAMO-12-1443
R-61 S2	1220.4	11/18/11	WG	pH	6.95	SU	CAMO-12-1445
R-61 S2	1220.4	11/18/11	WG	pH	6.96	SU	CAMO-12-1447
R-61 S2	1220.4	11/18/11	WG	pH	7.02	SU	CAMO-12-1449
R-61 S2	1220.4	11/18/11	WG	pH	7.02	SU	CAMO-12-1516
R-61 S2	1220.4	02/12/13	WG	Specific Conductance	205	μS/cm	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	Specific Conductance	199	μS/cm	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	193	μS/cm	CAMO-12-13966

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	243	µS/cm	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	220	µS/cm	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	175	µS/cm	CAMO-12-13969
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	215	µS/cm	CAMO-12-2253
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	180	µS/cm	CAMO-12-2251
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	178	µS/cm	CAMO-12-2256
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	241	µS/cm	CAMO-12-2258
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	154	µS/cm	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	Specific Conductance	167	µS/cm	CAMO-12-2259
R-61 S2	1220.4	11/18/11	WG	Specific Conductance	170	µS/cm	CAMO-12-1443
R-61 S2	1220.4	11/18/11	WG	Specific Conductance	149	µS/cm	CAMO-12-1445
R-61 S2	1220.4	11/18/11	WG	Specific Conductance	136	µS/cm	CAMO-12-1447
R-61 S2	1220.4	11/18/11	WG	Specific Conductance	141	µS/cm	CAMO-12-1449
R-61 S2	1220.4	11/18/11	WG	Specific Conductance	141	µS/cm	CAMO-12-1516
R-61 S2	1220.4	02/12/13	WG	Temperature	18.96	deg C	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	Temperature	19.28	deg C	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Temperature	16.14	deg C	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	Temperature	19.07	deg C	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Temperature	19.64	deg C	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Temperature	20.96	deg C	CAMO-12-13969
R-61 S2	1220.4	02/08/12	WG	Temperature	17.91	deg C	CAMO-12-2253
R-61 S2	1220.4	02/08/12	WG	Temperature	19.74	deg C	CAMO-12-2251
R-61 S2	1220.4	02/08/12	WG	Temperature	19.89	deg C	CAMO-12-2256
R-61 S2	1220.4	02/08/12	WG	Temperature	20.06	deg C	CAMO-12-2258
R-61 S2	1220.4	02/08/12	WG	Temperature	20.8	deg C	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	Temperature	15.85	deg C	CAMO-12-2259
R-61 S2	1220.4	11/18/11	WG	Temperature	19.53	deg C	CAMO-12-1443
R-61 S2	1220.4	11/18/11	WG	Temperature	19.5	deg C	CAMO-12-1445

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	11/18/11	WG	Temperature	20.33	deg C	CAMO-12-1447
R-61 S2	1220.4	11/18/11	WG	Temperature	20.26	deg C	CAMO-12-1449
R-61 S2	1220.4	11/18/11	WG	Temperature	20.26	deg C	CAMO-12-1516
R-61 S2	1220.4	02/12/13	WG	Turbidity	4.63	NTU	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	Turbidity	6.19	NTU	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Turbidity	3.03	NTU	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	Turbidity	0.91	NTU	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Turbidity	0.96	NTU	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Turbidity	0.84	NTU	CAMO-12-13969
R-61 S2	1220.4	02/08/12	WG	Turbidity	0.85	NTU	CAMO-12-2253
R-61 S2	1220.4	02/08/12	WG	Turbidity	0.77	NTU	CAMO-12-2251
R-61 S2	1220.4	02/08/12	WG	Turbidity	0.94	NTU	CAMO-12-2256
R-61 S2	1220.4	02/08/12	WG	Turbidity	1.12	NTU	CAMO-12-2258
R-61 S2	1220.4	02/08/12	WG	Turbidity	0.79	NTU	CAMO-12-2232
R-61 S2	1220.4	02/08/12	WG	Turbidity	9.86	NTU	CAMO-12-2259
R-61 S2	1220.4	11/18/11	WG	Turbidity	2.43	NTU	CAMO-12-1443
R-61 S2	1220.4	11/18/11	WG	Turbidity	1.45	NTU	CAMO-12-1445
R-61 S2	1220.4	11/18/11	WG	Turbidity	1.27	NTU	CAMO-12-1447
R-61 S2	1220.4	11/18/11	WG	Turbidity	0.89	NTU	CAMO-12-1449
R-61 S2	1220.4	11/18/11	WG	Turbidity	0.89	NTU	CAMO-12-1516
R-62	1158.4	02/05/13	WG	Dissolved Oxygen	5.37	mg/L	CAMO-13-28414
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	5.41	mg/L	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	6.34	mg/L	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	6.56	mg/L	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	6.78	mg/L	CAMO-13-24537
R-62	1158.4	08/08/12	WG	Dissolved Oxygen	6.01	mg/L	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Dissolved Oxygen	5.34	mg/L	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Dissolved Oxygen	6.22	mg/L	CAMO-12-12025

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-62	1158.4	02/05/13	WG	Oxidation-Reduction Potential	179.4	mV	CAMO-13-28414
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	57.9	mV	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	60.9	mV	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	67.1	mV	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	68.1	mV	CAMO-13-24537
R-62	1158.4	08/08/12	WG	Oxidation-Reduction Potential	72.7	mV	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Oxidation-Reduction Potential	208	mV	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Oxidation-Reduction Potential	120.2	mV	CAMO-12-12025
R-62	1158.4	02/05/13	WG	pH	8.71	SU	CAMO-13-28414
R-62	1158.4	11/08/12	WG	pH	8.77	SU	CAMO-13-24253
R-62	1158.4	11/08/12	WG	pH	8.54	SU	CAMO-13-24533
R-62	1158.4	11/08/12	WG	pH	8.44	SU	CAMO-13-24534
R-62	1158.4	11/08/12	WG	pH	8.37	SU	CAMO-13-24537
R-62	1158.4	08/08/12	WG	pH	8.31	SU	CAMO-12-21741
R-62	1158.4	06/06/12	WG	pH	8.72	SU	CAMO-12-14018
R-62	1158.4	03/26/12	WG	pH	8.62	SU	CAMO-12-12025
R-62	1158.4	02/05/13	WG	Specific Conductance	184	µS/cm	CAMO-13-28414
R-62	1158.4	11/08/12	WG	Specific Conductance	188	µS/cm	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Specific Conductance	188	µS/cm	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Specific Conductance	190	µS/cm	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Specific Conductance	190	µS/cm	CAMO-13-24537
R-62	1158.4	08/08/12	WG	Specific Conductance	165	µS/cm	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Specific Conductance	172	µS/cm	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Specific Conductance	188	µS/cm	CAMO-12-12025
R-62	1158.4	02/05/13	WG	Temperature	19.14	deg C	CAMO-13-28414
R-62	1158.4	11/08/12	WG	Temperature	19.22	deg C	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Temperature	19.84	deg C	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Temperature	20	deg C	CAMO-13-24534

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-62	1158.4	11/08/12	WG	Temperature	19.92	deg C	CAMO-13-24537
R-62	1158.4	08/08/12	WG	Temperature	21.83	deg C	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Temperature	22.32	deg C	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Temperature	19.6	deg C	CAMO-12-12025
R-62	1158.4	02/05/13	WG	Turbidity	0.31	NTU	CAMO-13-28414
R-62	1158.4	11/08/12	WG	Turbidity	0.55	NTU	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Turbidity	1.64	NTU	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Turbidity	1.02	NTU	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Turbidity	2.95	NTU	CAMO-13-24537
R-62	1158.4	08/08/12	WG	Turbidity	0.65	NTU	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Turbidity	2.51	NTU	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Turbidity	6.15	NTU	CAMO-12-12025
SCI-2	548	01/31/13	WG	Dissolved Oxygen	9.71	mg/L	CASA-13-28360
SCI-2	548	11/05/12	WG	Dissolved Oxygen	9.77	mg/L	CASA-13-24216
SCI-2	548	08/13/12	WG	Dissolved Oxygen	8.23	mg/L	CASA-12-21646
SCI-2	548	05/23/12	WG	Dissolved Oxygen	8.62	mg/L	CASA-12-14061
SCI-2	548	03/05/12	WG	Dissolved Oxygen	9.43	mg/L	CASA-12-11712
SCI-2	548	01/31/13	WG	Oxidation-Reduction Potential	217.6	mV	CASA-13-28360
SCI-2	548	11/05/12	WG	Oxidation-Reduction Potential	149.1	mV	CASA-13-24216
SCI-2	548	08/13/12	WG	Oxidation-Reduction Potential	170.4	mV	CASA-12-21646
SCI-2	548	05/23/12	WG	Oxidation-Reduction Potential	229	mV	CASA-12-14061
SCI-2	548	03/05/12	WG	Oxidation-Reduction Potential	21.5	mV	CASA-12-11712
SCI-2	548	01/31/13	WG	pH	7.5	SU	CASA-13-28360
SCI-2	548	11/05/12	WG	pH	7.46	SU	CASA-13-24216
SCI-2	548	08/13/12	WG	pH	8.15	SU	CASA-12-21646
SCI-2	548	05/23/12	WG	pH	7.45	SU	CASA-12-14061
SCI-2	548	03/05/12	WG	pH	7.5	SU	CASA-12-11712
SCI-2	548	01/31/13	WG	Specific Conductance	602	µS/cm	CASA-13-28360

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	548	11/05/12	WG	Specific Conductance	590	μS/cm	CASA-13-24216
SCI-2	548	08/13/12	WG	Specific Conductance	592	μS/cm	CASA-12-21646
SCI-2	548	05/23/12	WG	Specific Conductance	564	μS/cm	CASA-12-14061
SCI-2	548	03/05/12	WG	Specific Conductance	609	μS/cm	CASA-12-11712
SCI-2	548	01/31/13	WG	Temperature	13.9	deg C	CASA-13-28360
SCI-2	548	11/05/12	WG	Temperature	14.35	deg C	CASA-13-24216
SCI-2	548	08/13/12	WG	Temperature	16.08	deg C	CASA-12-21646
SCI-2	548	05/23/12	WG	Temperature	17.02	deg C	CASA-12-14061
SCI-2	548	03/05/12	WG	Temperature	14.1	deg C	CASA-12-11712
SCI-2	548	01/31/13	WG	Turbidity	1.54	NTU	CASA-13-28360
SCI-2	548	11/05/12	WG	Turbidity	3.15	NTU	CASA-13-24216
SCI-2	548	08/13/12	WG	Turbidity	4.22	NTU	CASA-12-21646
SCI-2	548	05/23/12	WG	Turbidity	3.51	NTU	CASA-12-14061
SCI-2	548	03/05/12	WG	Turbidity	0.73	NTU	CASA-12-11712

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

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

<sup>c</sup> NTU = Nephelometric turbidity unit.



## **Appendix B**

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



## **Appendix C**

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

**Acronyms and Abbreviations (continued)**

Acronym, Abbreviation, or Symbol	Description
<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	NMWQCC
NMED	New Mexico Environmental Department
NMWQCC	New Mexico Water Quality Control Commission
OPR	ongoing precision recovery
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzo-p-dioxin
PCDF	polychlorinated dibenzofuran
PQL	practical quantitation limit
Prelim	preliminary
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RF	response factor
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RRT	relative retention time
RT	retention time
Scr	screening
SDG	sample delivery group
SMO	Sample Management Office
SSC	suspended sediment concentration
SU	standard unit
TCDD	tetrachlorodibenzo-p-dioxin

**Acronyms and Abbreviations (continued)**

Acronym, Abbreviation, or Symbol	Description
<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)**

Acronym, Abbreviation, or Symbol	Description
<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)**

Acronym, Abbreviation, or Symbol	Description
<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	RECRA Labnet, Lionville, PA
RFWC	Roy F. Weston, Inc., West Chester, PA
SGSW	Paradigm Analytical Laboratories, Inc., Wilmington, NC
SILENS	Stable Isotope Laboratory, Woods Hole, MA
STL2, STR	Severn Trent Laboratories, Inc., Richland, WA (historical)
STLA	Severn Trent Laboratories, Inc., Los Angeles, CA
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
SwRI	Southwest Research Institute, San Antonio, TX
UAZ	University of Arizona, Tucson
UIL	University of Illinois, Urbana-Champaign
UMTL	University of Miami Tritium Lab

### Analytical Laboratory Qualifier Codes

Code	Description
*	(Inorganic)—Duplicate analysis (relative percent difference [RPD]) not within control limits.
B	(Organic) —Analyte was present in the blank and the sample. (Inorganic) —Reported value was obtained from a reading that was less than the contract-required detection limit (CRDL) but greater than or equal to the instrument detection limit (IDL).
BJ	See B code and see J code.
BJP	See B code, see J code, and see P code.
BPX	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the IDL but less than the CRDL. (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary gas chromatography (GC) columns were greater than 25% difference. (P) (SW-846 EPA Method 8310, High-Pressure Liquid Chromatography, [HPLC] Results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference. (X) (Organic/Inorganic)—The result for this analyte should be regarded as not detected.
D	The result for this analyte was reported from a dilution.
DJ	See D code and see J code.
DNA	Did not analyze because equipment was broken.
E	(Organic) Analyte exceeded the concentration range. (Inorganic) The serial dilution was exceeded.
E*	See E code and see * code.
EJ	See E code and see J code.
EJ*	See E code, see J code, and see * code.
EJN	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (inductively coupled plasma atomic [optical] emission spectroscopy [ICPAES])—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (graphite furnace atomic absorption [GFAA])—The result for this analyte failed one or more Control Laboratory Program (CLP) acceptance criteria as explained in the case narrative. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL). (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike (MS) sample was outside acceptance criteria.
EN	See E code and see N code.
EN*	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICPAES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. (N) (Organic)—The reported analyte is a TIC. (N) (Inorganic)—The result for this analyte in the MS sample was outside acceptance criteria. * (Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
H	(Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded.

### Analytical Laboratory Qualifier Codes (continued)

Code	Description
H*	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. * (Organic) and (Inorganic)—The result for this analyte in the laboratory control sample analysis was outside acceptance criteria.
HJ	See H code and see J code.
HJ*	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. (J) (Organic/General Inorganics)—The result for this analyte was greater than the MDL but less than the PQL. * (Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
INS	(d15N)—The d15N of nitrate is a signature of the nitrate present in a sample. Therefore, nitrate has to be present to have a signature. A d15N value cannot be given to a blank because the blank does not have nitrate. This is different from most analytical methods, where a blank is run with the designator “nondetect” or “detected, but below detection limit.”
J	(Inorganic)—The associated numerical value is an estimated quantity. (Organic)—The associated numerical value is an estimated quantity.
J*	See J code and see * code.
JB	See J code and see B code
JN	See J code and see N code.
JN*	See J code, see N code, and see * code.
JP	See J code and see P code.
N	(Inorganic)—Spiked sample recovery was not within control limits.
N*	See N code and see * code.
N*E	See N code, see * code, and see E code.
NE	See N code and see E code.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
PJ	See P code and see J code.
U	The material was analyzed for but was not detected above the level of the associated numeric value.
U*	See U code and see * code.
UD	See U code and see D code.
UE	See U code and see E code.
UE*	See U code, see E code, and see * code.
UEN	See U code, see E code, and see N code.
UH	See U code and see H code.

**Analytical Laboratory Qualifier Codes (continued)**

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

**Secondary Validation Flag Codes**

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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.43	—	—	—	%	Y	—	NQ	2013-383	CAMO-13-24364	UIL
MCOI-6	686	08/19/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.21	—	—	—	%	Y	—	NQ	09-3060	CAMO-09-9535	UIL
MCOI-6	686	05/05/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.99	—	—	—	%	Y	—	NQ	09-1857	CAMO-09-8167	UIL
MCOI-6	686	11/10/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.16	—	—	—	%	—	—	NQ	09-324	CAMO-09-785	UIL
MCOI-6	686	08/12/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.99	—	—	0.1	%	—	—	NQ	08-1741	CAMO-08-14501	UIL
R-43 S1	903.9	11/07/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.14854	—	—	—	permil	Y	—	NQ	2013-290	CASA-13-24373	EES6
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.72978	—	—	—	permil	N	—	NQ	2013-290	CASA-13-24373	EES6
R-43 S1	903.9	05/22/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.07151	—	—	—	permil	Y	—	NQ	12-1313	CASA-12-14081	EES6
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.90428	—	—	—	permil	N	—	NQ	12-1313	CASA-12-14081	EES6
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.22	—	—	—	permil	N	—	NQ	12-344	CASA-12-1393	EES6
R-43 S1	903.9	07/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.91331	—	—	—	permil	N	—	NQ	10-3715	CASA-10-22706	EES6
R-43 S1	903.9	05/10/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.96602	—	—	—	permil	N	—	NQ	10-3161	CASA-10-16794	EES6
R-43 S1	903.9	02/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.09	—	—	—	permil	N	—	NQ	10-1593	CASA-10-9481	EES6
R-43 S1	903.9	11/07/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	0.00532	—	—	—	permil	Y	—	NQ	2013-290	CASA-13-24373	EES6
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.54207	—	—	—	permil	N	—	NQ	2013-290	CASA-13-24373	EES6
R-43 S1	903.9	05/22/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.71037	—	—	—	permil	Y	—	NQ	12-1313	CASA-12-14081	EES6
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.8877	—	—	—	permil	N	—	NQ	12-1313	CASA-12-14081	EES6
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.87	—	—	—	permil	N	—	NQ	12-344	CASA-12-1393	EES6
R-43 S1	903.9	07/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.4693	—	—	—	permil	N	—	NQ	10-3715	CASA-10-22706	EES6
R-43 S1	903.9	05/10/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.09634	—	—	—	permil	N	—	NQ	10-3161	CASA-10-16794	EES6
R-43 S1	903.9	11/19/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.58	—	—	—	permil	N	—	NQ	10-630	CASA-10-3857	EES6
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.25	—	—	—	%	Y	—	NQ	2013-290	CASA-13-24373	UIL
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.97	—	—	—	%	Y	—	NQ	12-1565	CASA-12-14081	UIL
R-43 S1	903.9	11/16/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.02	—	—	—	%	Y	—	NQ	11-746	CASA-11-1378	UIL
R-43 S1	903.9	02/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.11	—	—	—	%	Y	—	NQ	10-3592	CASA-10-9842	UIL
R-43 S1	903.9	11/19/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.36	—	—	—	%	Y	—	NQ	10-1027	CASA-10-4776	UIL
R-43 S2	969.1	11/07/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.89096	—	—	—	permil	Y	—	NQ	2013-290	CASA-13-24374	EES6
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.34035	—	—	—	permil	N	—	NQ	2013-290	CASA-13-24374	EES6
R-43 S2	969.1	05/22/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.72942	—	—	—	permil	Y	—	NQ	12-1313	CASA-12-14082	EES6
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.60146	—	—	—	permil	N	—	NQ	12-1313	CASA-12-14082	EES6
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.67	—	—	—	permil	N	—	NQ	12-344	CASA-12-1395	EES6
R-43 S2	969.1	07/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.85236	—	—	—	permil	N	—	NQ	10-3715	CASA-10-22710	EES6
R-43 S2	969.1	05/10/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.55277	—	—	—	permil	N	—	NQ	10-3161	CASA-10-16798	EES6
R-43 S2	969.1	02/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.48	—	—	—	permil	N	—	NQ	10-1593	CASA-10-9488	EES6
R-43 S2	969.1	11/07/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.65568	—	—	—	permil	Y	—	NQ	2013-290	CASA-13-24374	EES6
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.78874	—	—	—	permil	N	—	NQ	2013-290	CASA-13-24374	EES6
R-43 S2	969.1	05/22/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.96715	—	—	—	permil	Y	—	NQ	12-1313	CASA-12-14082	EES6
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-4.14351	—	—	—	permil	N	—	NQ	12-1313	CASA-12-14082	EES6
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.24	—	—	—	permil	N	—	NQ	12-344	CASA-12-1395	EES6
R-43 S2	969.1	07/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.11632	—	—	—	permil	N	—	NQ	10-3715	CASA-10-22710	EES6
R-43 S2	969.1	05/10/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.31462	—	—	—	permil	N	—	NQ	10-3161	CASA-10-16798	EES6
R-43 S2	969.1	02/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.29	—	—	—	permil	N	—	NQ	10-1593	CASA-10-9488	EES6
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.67	—	—	—	%	Y	—	NQ	2013-290	CASA-13-24374	UIL
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.64	—	—	—	%	Y	—	NQ	12-1565	CASA-12-14082	UIL
R-43 S2	969.1	11/16/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	2.01	—	—	—	%	Y	—	NQ	11-746	CASA-11-1381	UIL
R-43 S2	969.1	02/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	2.12	—	—	—	%	Y	—	NQ	10-3592	CASA-10-9845	UIL
R-43 S2	969.1	08/18/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.58	—	—	—	%	Y	—	NQ	09-3059	CASA-09-10401	UIL
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.04	—	—	—	%	Y	—	NQ	2013-383	CAMO-13-24368	UIL
R-50 S1	1077	11/16/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.24	—	—	—	%	Y	—	NQ	11-745	CAMO-11-1313	UIL
R-50 S1	1077	05/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.09	—	—	—	%	Y	—	NQ	10-3593	CAMO-10-17421	UIL

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.12	—	—	—	%	Y	—	NQ	2013-383	CAMO-13-24369	UIL
R-50 S2	1185	11/16/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.01	—	—	—	%	Y	—	NQ	11-745	CAMO-11-1315	UIL
R-50 S2	1185	05/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.88	—	—	—	%	Y	—	NQ	10-3593	CAMO-10-18980	UIL
R-62	1158.4	08/08/12	WG	UF	REP	REG	GENERAL CHEMISTRY	Generic:Deuterium Ratio	Deuterium Ratio	DELTAH-2	Y	-73.9255	—	—	—	permil	Y	—	NQ	12-1485	CAMO-12-22327	EES6
R-62	1158.4	08/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	Generic:Deuterium Ratio	Deuterium Ratio	DELTAH-2	Y	-75.2844	—	—	—	permil	N	—	NQ	12-1485	CAMO-12-22327	EES6
R-62	1158.4	11/08/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	9.67763	—	—	—	permil	Y	—	NQ	2013-301	CAMO-13-24370	EES6
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	9.45335	—	—	—	permil	N	—	NQ	2013-301	CAMO-13-24370	EES6
R-62	1158.4	08/08/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	9.91854	—	—	—	permil	Y	—	NQ	12-1485	CAMO-12-22328	EES6
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	9.83189	—	—	—	permil	N	—	NQ	12-1485	CAMO-12-22328	EES6
R-62	1158.4	06/06/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	9.79795	—	—	—	permil	Y	—	NQ	12-1348	CAMO-12-14078	EES6
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	9.66856	—	—	—	permil	N	—	NQ	12-1348	CAMO-12-14078	EES6
R-62	1158.4	08/08/12	WG	UF	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio	O18O16	Y	-10.83	—	—	—	permil	Y	—	NQ	12-1485	CAMO-12-22327	EES6
R-62	1158.4	08/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio	O18O16	Y	-10.87	—	—	—	permil	N	—	NQ	12-1485	CAMO-12-22327	EES6
R-62	1158.4	11/08/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.39111	—	—	—	permil	Y	—	NQ	2013-301	CAMO-13-24370	EES6
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.73322	—	—	—	permil	N	—	NQ	2013-301	CAMO-13-24370	EES6
R-62	1158.4	08/08/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.61646	—	—	—	permil	Y	—	NQ	12-1485	CAMO-12-22328	EES6
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.22148	—	—	—	permil	N	—	NQ	12-1485	CAMO-12-22328	EES6
R-62	1158.4	06/06/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.04397	—	—	—	permil	Y	—	NQ	12-1348	CAMO-12-14078	EES6
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.05619	—	—	—	permil	N	—	NQ	12-1348	CAMO-12-14078	EES6
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.01	—	—	—	%	Y	—	NQ	2013-383	CAMO-13-24370	UIL
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.05	—	—	—	%	Y	—	NQ	12-1564	CAMO-12-14078	UIL

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.32	—	—	0.01	SU	Y	H	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.38	—	—	0.01	SU	Y	H	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.33	—	—	0.01	SU	Y	H	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.26	—	—	0.01	SU	Y	H	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.35	—	—	0.01	SU	Y	H	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97.8	—	—	0.725	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96	—	—	0.725	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97	—	—	0.725	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	98.4	—	—	0.725	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	100	—	—	0.725	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	43.4	—	—	1	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46.9	—	—	1	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.8	—	—	1	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.9	—	—	1	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.4	—	—	1	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50	—	—	15	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50.4	—	—	15	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50.8	—	—	15	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	49.9	—	—	15	µg/L	Y	J	J	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	48.6	—	—	15	µg/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.604	—	—	0.067	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.702	—	—	0.067	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.633	—	—	0.067	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.646	—	—	0.067	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.692	—	—	0.067	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67.9	—	—	0.05	mg/L	Y	—	J-	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	71.6	—	—	0.05	mg/L	Y	—	J-	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67	—	—	0.05	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67.8	—	—	0.05	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	69.8	—	—	0.05	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.1	—	—	0.335	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	58.6	—	—	0.67	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	54.8	—	—	0.67	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.3	—	—	0.67	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	62.3	—	—	0.335	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	66.1	—	—	2	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	61.6	—	—	2	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	64.6	—	—	2	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	58.4	—	—	2	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	59.6	—	—	2	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	7.18	—	—	3	µg/L	Y	J	J	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	13.1	—	—	3	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	5.52	—	—	3	µg/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	12.1	—	—	3	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	9.42	—	—	3	µg/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.499	—	—	0.033	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.563	—	—	0.033	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.503	—	—	0.033	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.558	—	—	0.033	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.548	—	—	0.033	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	228	—	—	0.453	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	240	—	—	0.453	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	223	—	—	0.453	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	228	—	—	0.453	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	233	—	—	0.453	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.2	—	—	0.11	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	13.5	—	—	0.11	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.3	—	—	0.11	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.2	—	—	0.11	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.08	—	—	2	µg/L	Y	J	J	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.88	—	—	2	µg/L	Y	J	J	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.59	—	—	2	µg/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	5.63	—	—	2	µg/L	Y	J	J	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.48	—	—	2	µg/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.49	—	—	0.165	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	—	0.165	µg/L	Y	—	J	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.165	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.69	—	—	0.165	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.165	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	36.5	—	—	0.5	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	38.1	—	—	0.5	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	40.1	—	—	0.5	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	40.8	—	—	0.5	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	34.3	—	—	0.5	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.62	—	—	0.17	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.5	—	—	0.425	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.96	—	—	0.17	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.33	—	—	0.17	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.07	—	—	0.1	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	56.3	—	—	5	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	63.5	—	—	5	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	60.6	—	—	5	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	59.4	—	—	5	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	64.3	—	—	5	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.906	—	—	0.05	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.06	—	—	0.05	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.882	—	—	0.05	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.908	—	—	0.05	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.99	—	—	0.05	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.2	—	—	0.053	mg/L	Y	—	J-	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.9	—	—	0.053	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.9	—	—	0.053	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.1	—	—	0.053	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC



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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	27.8	—	—	0.1	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	28.8	—	—	0.1	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	27.4	—	—	0.1	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.1	—	—	0.1	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.1	—	—	0.1	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	579	—	—	1	µS/cm	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	591	—	—	1	µS/cm	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	µS/cm	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	601	—	—	1	µS/cm	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	594	—	—	1	µS/cm	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	312	—	—	1	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	325	—	—	1	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	322	—	—	1	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	315	—	—	1	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	321	—	—	1	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	62.6	—	—	0.665	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	66.1	—	—	1.33	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	60.6	—	—	1.33	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	66.8	—	—	1.33	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	65.1	—	—	0.665	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	417	—	—	3.4	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	390	—	—	3.4	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	419	—	—	3.4	mg/L	Y	—	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	420	—	—	3.4	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	413	—	—	3.4	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.21	—	—	0.33	mg/L	Y	—	NQ	2013-511	CAMO-13-28407	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.09	—	—	0.33	mg/L	Y	—	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	08/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.29	—	—	0.33	mg/L	Y	—	NQ	12-1509	CAMO-12-21734	GELC
MCOI-6	686	06/04/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.6	—	—	0.33	mg/L	Y	—	NQ	12-1339	CAMO-12-14006	GELC
MCOI-6	686	03/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.23	—	—	0.33	mg/L	Y	—	J-	12-1052	CAMO-12-12017	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.18	—	—	0.067	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.26	—	—	0.067	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.31	—	—	0.067	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.41	—	—	0.067	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.46	—	—	0.067	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.38	—	—	1	µg/L	Y	J	J	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.33	—	—	1	µg/L	Y	J	J	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.53	—	—	1	µg/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.31	—	—	1	µg/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	17.9	—	—	3.3	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	24.8	—	—	3.3	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	30.2	—	—	3.3	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	33.4	—	—	3.3	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	27.9	—	—	3.3	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	NQ	2013-507	CASA-13-28361	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.1	—	—	0.725	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70	—	—	0.725	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.2	—	—	0.725	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.7	—	—	0.725	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.4	—	—	0.725	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.8	—	—	0.725	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.9	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.7	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.4	—	—	1	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.8	—	—	1	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.9	—	—	1	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.2	—	—	1	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.1	—	—	15	µg/L	Y	J	J	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	26.7	—	—	15	µg/L	Y	J	J	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.3	—	—	15	µg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.9	—	—	15	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.7	—	—	15	µg/L	Y	J	J	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.4	—	—	15	µg/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.3	—	—	0.05	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.9	—	—	0.05	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.4	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.7	—	—	0.05	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	J+	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.37	—	—	0.067	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.49	—	—	0.067	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.26	—	—	0.067	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.83	—	—	0.067	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.94	—	—	0.067	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.63	—	—	0.067	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	28.6	—	—	2	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	26.8	—	—	2	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	23.7	—	—	2	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	20.3	—	—	2	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	20.5	—	—	2	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	21.4	—	—	2	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.357	—	—	0.033	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.356	—	—	0.033	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.421	—	—	0.033	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.378	—	—	0.033	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.411	—	—	0.033	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.404	—	—	0.033	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.3	—	—	0.453	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	83.8	—	—	0.453	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.9	—	—	0.453	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.8	—	—	0.453	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79	—	—	0.453	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79.5	—	—	0.453	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.6	—	—	0.11	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.44	—	—	0.11	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.77	—	—	0.11	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.08	—	—	0.11	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.05	—	—	0.11	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.07	—	—	0.11	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.165	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.45	—	—	0.165	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.51	—	—	0.165	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.165	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.165	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.165	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	µg/L	Y	J	J	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.34	—	—	0.5	µg/L	Y	J	J	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.619	—	—	0.5	µg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.617	—	—	0.5	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.709	—	—	0.5	µg/L	Y	J	J	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.68	—	—	0.5	µg/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.56	—	—	0.17	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.49	—	—	0.17	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.93	—	—	0.425	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.26	—	—	0.17	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.85	—	—	0.17	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.25	—	—	0.05	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.915	—	—	0.05	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.935	—	—	0.05	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.86	—	—	0.05	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.899	—	—	0.05	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.92	—	—	0.05	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.843	—	—	0.05	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.53	—	—	0.05	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.65	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.86	—	—	1.5	µg/L	Y	J	J	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	Y	1.73	—	—	1.5	µg/L	Y	J	J	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.88	—	—	1.5	µg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.76	—	—	1.5	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.66	—	—	1.5	µg/L	Y	J	J	12-1311	CASA-12-14062	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.6	—	—	1.5	µg/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74	—	—	0.053	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.7	—	—	0.053	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.4	—	—	0.053	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.8	—	—	0.053	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.7	—	—	0.053	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13	—	—	0.1	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.5	—	—	0.1	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.7	—	—	0.1	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	226	—	—	1	µS/cm	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	µS/cm	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	234	—	—	1	µS/cm	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	µS/cm	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	µS/cm	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	222	—	—	1	µS/cm	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	93.6	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	92	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.3	—	—	1	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.6	—	—	1	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	87.5	—	—	1	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	90.1	—	—	1	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.1	—	—	0.133	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.5	—	—	0.133	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.4	—	—	0.133	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12	—	—	0.133	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.2	—	—	0.133	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.1	—	—	0.133	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	187	—	—	3.4	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	194	—	—	3.4	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	214	—	—	3.4	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	210	—	—	3.4	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197	—	—	3.4	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.984	—	—	0.33	mg/L	Y	J	J	2013-507	CASA-13-28357	GELC
R-11	855	02/04/13	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.897	—	—	0.33	mg/L	Y	J	J	2013-507	CASA-13-28355	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.496	—	—	0.33	mg/L	Y	J	J	12-1508	CASA-12-21643	GELC
R-11	855	05/21/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-1311	CASA-12-14057	GELC
R-11	855	03/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.469	—	—	0.33	mg/L	Y	J	J	12-1058	CASA-12-11709	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.679	—	—	0.067	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.678	—	—	0.067	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.758	—	—	0.067	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.714	—	—	0.067	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.782	—	—	0.067	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.678	—	—	0.067	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.32	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.13	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.53	—	—	1	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.54	—	—	1	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.38	—	—	1	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.84	—	—	1	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.35	—	—	3.3	µg/L	Y	J	J	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.43	—	—	3.3	µg/L	Y	J	J	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.94	—	—	3.3	µg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.79	—	—	3.3	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	9.94	—	—	3.3	µg/L	Y	J	U	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.85	—	—	3.3	µg/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.77	—	—	0.01	SU	Y	H	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.77	—	—	0.01	SU	Y	H	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	—	0.01	SU	Y	H	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	—	—	0.01	SU	Y	H	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.4	—	—	0.725	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.2	—	—	0.725	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.3	—	—	0.725	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.1	—	—	0.725	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80	—	—	0.725	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	68.1	—	—	1	µg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	66.3	—	—	1	µg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.9	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.6	—	—	1	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.2	—	—	1	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.1	—	—	15	µg/L	Y	J	J	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.7	—	—	15	µg/L	Y	J	J	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.7	—	—	15	µg/L	Y	J	J	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.6	—	—	15	µg/L	Y	J	J	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	24.6	—	—	15	µg/L	Y	J	J	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.241	—	—	0.067	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.278	—	—	0.067	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.295	—	—	0.067	mg/L	Y	—	J	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.231	—	—	0.067	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.33	—	—	0.067	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	45.5	—	—	0.05	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	45.2	—	—	0.05	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	46.2	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	46.3	—	—	0.05	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	46.3	—	—	0.05	mg/L	Y	—	J+	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	34.3	—	—	0.335	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	35.8	—	—	0.335	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	32.9	—	—	0.67	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	34.1	—	—	0.335	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	28.7	—	—	0.335	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	433	—	—	10	µg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	415	—	—	20	µg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	450	—	—	2	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	351	—	—	2	µg/L	Y	—	J+	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	336	—	—	2	µg/L	Y	E	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	5.37	—	—	3	µg/L	Y	J	J	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	4.77	—	—	3	µg/L	Y	J	J	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.257	—	—	0.033	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.308	—	—	0.033	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.271	—	—	0.033	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.328	—	—	0.033	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.287	—	—	0.033	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	161	—	—	0.453	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	161	—	—	0.453	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	164	—	—	0.453	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	163	—	—	0.453	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	164	—	—	0.453	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.5	—	—	0.11	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.7	—	—	0.11	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.7	—	—	0.11	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.6	—	—	0.11	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.8	—	—	0.11	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.845	—	—	0.165	µg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.822	—	—	0.165	µg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.889	—	—	0.165	µg/L	Y	—	U	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.847	—	—	0.165	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	21.9	—	—	0.5	µg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	21.1	—	—	0.5	µg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.8	—	—	0.5	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	14.4	—	—	0.5	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	14.6	—	—	0.5	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.98	—	—	0.17	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.63	—	—	0.085	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.74	—	—	0.085	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.74	—	—	0.17	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.37	—	—	0.1	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.975	—	—	0.1	µg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.93	—	—	0.05	µg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.987	—	—	0.1	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.01	—	—	0.1	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.93	—	—	0.05	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.7	—	—	0.05	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.9	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.81	—	—	0.05	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.4	—	—	0.053	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.4	—	—	0.053	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	0.0782	—	—	0.053	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.4	—	—	0.053	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.6	—	—	0.053	mg/L	Y	—	J+	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.3	—	—	0.1	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.9	—	—	0.1	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.2	—	—	0.1	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	422	—	—	1	µS/cm	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	415	—	—	1	µS/cm	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	415	—	—	1	µS/cm	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	411	—	—	1	µS/cm	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	442	—	—	1	µS/cm	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	177	—	—	1	µg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	172	—	—	1	µg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	181	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	175	—	—	1	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	179	—	—	1	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	49	—	—	0.665	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	51.3	—	—	0.665	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	47.3	—	—	1.33	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	47.9	—	—	0.665	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	39.6	—	—	0.665	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	290	—	—	3.4	mg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	303	—	—	3.4	mg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	287	—	—	3.4	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	273	—	—	3.4	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	396	—	—	3.4	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.843	—	—	0.33	mg/L	Y	J	J	2013-503	CAMO-13-28408	GELC
R-28	934.3	10/31/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.28	—	—	0.33	mg/L	Y	—	U	2013-258	CAMO-13-24243	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.1	—	—	0.33	mg/L	Y	—	NQ	12-1481	CAMO-12-21735	GELC
R-28	934.3	05/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.883	—	—	0.33	mg/L	Y	J	J	12-1321	CAMO-12-14008	GELC
R-28	934.3	03/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.45	—	—	0.33	mg/L	Y	—	NQ	12-1091	CAMO-12-12018	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.52	—	—	0.067	µg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.54	—	—	0.067	µg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.5	—	—	0.067	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.7	—	—	0.067	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.9	—	—	0.067	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.8	—	—	1	µg/L	Y	—	NQ	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.93	—	—	1	µg/L	Y	—	NQ	2013-258	CAMO-13-24260	GELC



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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.31	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.3	—	—	1	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.56	—	—	1	µg/L	Y	J	J	12-1091	CAMO-12-12027	GELC
R-28	934.3	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.39	—	—	3.3	µg/L	Y	J	J	2013-503	CAMO-13-28416	GELC
R-28	934.3	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.67	—	—	3.3	µg/L	Y	J	J	2013-258	CAMO-13-24260	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.55	—	—	3.3	µg/L	Y	J	J	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	11.2	—	—	3.3	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	29.4	—	—	3.3	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.81	—	—	0.01	SU	Y	H	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.74	—	—	0.01	SU	Y	H	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.75	—	—	0.01	SU	Y	H	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	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	66.9	—	—	0.725	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO <sub>3</sub> +HCO <sub>3</sub>	ALK-CO <sub>3</sub> +HCO <sub>3</sub>	Y	65.3	—	—	0.725	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	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>	N	1	—	—	0.725	mg/L	Y	U	U	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	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	76.7	—	—	0.725	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	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	63.7	—	—	0.725	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	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	62.6	—	—	0.725	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH <sub>3</sub> -N	Y	0.523	—	—	0.017	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH <sub>3</sub> -N	N	0.0237	—	—	0.017	mg/L	Y	J	U	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH <sub>3</sub> -N	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH <sub>3</sub> -N	Y	0.0631	—	—	0.017	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH <sub>3</sub> -N	N	0.0234	—	—	0.017	mg/L	Y	J	U	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH <sub>3</sub> -N	Y	0.176	—	—	0.016	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	Y	1.24	—	—	1	µg/L	Y	J	J	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Antimony	Sb	Y	1.1	—	—	1	µg/L	Y	J	J	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	Y	1.26	—	—	1	µg/L	Y	J	J	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	3	—	—	1	µg/L	Y	U	U	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	Y	1.04	—	—	1	µg/L	Y	J	J	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	3	—	—	1	µg/L	Y	U	U	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	95	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	96.5	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	93.3	—	—	1	µg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	87.8	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	95.1	—	—	1	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	95.5	—	—	1	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.1	—	—	15	µg/L	Y	J	J	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	21.6	—	—	15	µg/L	Y	J	J	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.2	—	—	15	µg/L	Y	J	J	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19	—	—	15	µg/L	Y	J	J	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.9	—	—	15	µg/L	Y	J	J	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.6	—	—	15	µg/L	Y	J	J	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.194	—	—	0.067	mg/L	Y	J	J	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.26	—	—	0.067	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.257	—	—	0.067	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC



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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.215	—	—	0.067	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.244	—	—	0.067	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.217	—	—	0.066	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	52.9	—	—	0.05	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	53.7	—	—	0.05	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	51.3	—	—	0.05	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	48.8	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	52.1	—	—	0.05	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	52.5	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	41.5	—	—	0.335	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	41.3	—	—	0.335	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	41.9	—	—	0.335	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	37.8	—	—	0.67	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	38.7	—	—	0.67	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39.1	—	—	0.33	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	1040	—	—	40	µg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	1070	—	—	40	µg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	1010	—	—	40	µg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	1070	—	—	40	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	894	—	—	2	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	969	—	—	2	µg/L	Y	—	J+	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	5.98	—	—	3	µg/L	Y	J	J	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Copper	Cu	Y	6.28	—	—	3	µg/L	Y	J	J	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.232	—	—	0.033	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.234	—	—	0.033	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.283	—	—	0.033	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.268	—	—	0.033	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.271	—	—	0.033	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.277	—	—	0.033	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	194	—	—	0.453	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	197	—	—	0.453	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	187	—	—	0.453	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	179	—	—	0.453	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	190	—	—	0.453	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	193	—	—	0.453	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.1	—	—	0.11	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.2	—	—	0.11	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.4	—	—	0.11	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	13.8	—	—	0.11	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.5	—	—	0.11	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.543	—	—	0.165	µg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.547	—	—	0.165	µg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.619	—	—	0.165	µg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.523	—	—	0.165	µg/L	Y	—	U	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.493	—	—	0.165	µg/L	Y	J	J	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.554	—	—	0.165	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	23.4	—	—	0.5	µg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	24.4	—	—	0.5	µg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	23.4	—	—	0.5	µg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	24.4	—	—	0.5	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	25.6	—	—	0.5	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	25.9	—	—	0.5	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.44	—	—	0.17	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.34	—	—	0.17	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.61	—	—	0.17	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.55	—	—	0.085	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	6.08	—	—	0.17	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.75	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.23	—	—	0.2	µg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.25	—	—	0.2	µg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.19	—	—	0.1	µg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.34	—	—	0.1	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.4	—	—	0.1	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.31	—	—	0.1	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.51	—	—	0.05	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.57	—	—	0.05	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.28	—	—	0.05	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.45	—	—	0.05	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.53	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.6	—	—	0.053	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.2	—	—	0.053	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.8	—	—	0.053	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	0.0725	—	—	0.053	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.2	—	—	0.053	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.5	—	—	0.053	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.8	—	—	0.1	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.8	—	—	0.1	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.2	—	—	0.1	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	484	—	—	1	µS/cm	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	483	—	—	1	µS/cm	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	488	—	—	1	µS/cm	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	478	—	—	1	µS/cm	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	480	—	—	1	µS/cm	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	465	—	—	1	µS/cm	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	203	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	206	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	195	—	—	1	µg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	188	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	200	—	—	1	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	203	—	—	1	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	76.2	—	—	0.665	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	76	—	—	0.665	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	77.7	—	—	0.665	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	71.6	—	—	1.33	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	73.4	—	—	1.33	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	73.9	—	—	0.5	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	317	—	—	3.4	mg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	307	—	—	3.4	mg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	347	—	—	3.4	mg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	321	—	—	3.4	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	346	—	—	3.4	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	350	—	—	3.4	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.918	—	—	0.33	mg/L	Y	J	J	2013-502	CAMO-13-28409	GELC
R-42	931.8	02/01/13	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.904	—	—	0.33	mg/L	Y	J	J	2013-502	CAMO-13-28405	GELC
R-42	931.8	10/31/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.744	—	—	0.33	mg/L	Y	J	U	2013-259	CAMO-13-24244	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.1	—	—	0.33	mg/L	Y	—	NQ	12-1481	CAMO-12-21736	GELC
R-42	931.8	05/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.651	—	—	0.33	mg/L	Y	J	J	12-1319	CAMO-12-14009	GELC
R-42	931.8	03/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.02	—	—	0.33	mg/L	Y	—	NQ	12-1066	CAMO-12-12020	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.831	—	—	0.067	µg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.871	—	—	0.067	µg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.812	—	—	0.067	µg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.798	—	—	0.067	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.825	—	—	0.067	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.822	—	—	0.067	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	9.39	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	9.79	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.37	—	—	1	µg/L	Y	—	NQ	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.06	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.74	—	—	1	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.68	—	—	1	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	02/01/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.86	—	—	3.3	µg/L	Y	J	J	2013-502	CAMO-13-28417	GELC
R-42	931.8	02/01/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.91	—	—	3.3	µg/L	Y	J	J	2013-502	CAMO-13-28406	GELC
R-42	931.8	10/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.78	—	—	3.3	µg/L	Y	J	J	2013-259	CAMO-13-24261	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.64	—	—	3.3	µg/L	Y	J	J	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.9	—	—	3.3	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.6	—	—	3.3	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-43 S1	903.9	02/06/13	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	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	—	—	0.01	SU	Y	H	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	42.9	—	—	0.725	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.8	—	—	0.725	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	42.3	—	—	0.725	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.9	—	—	0.725	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50.3	—	—	0.725	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.11	—	—	1.7	µg/L	Y	J	J	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.96	—	—	1.7	µg/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	3.71	—	—	1.7	µg/L	Y	J	U	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.2	—	—	1	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.1	—	—	1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.3	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.3	—	—	1	µg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.3	—	—	0.05	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.1	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.4	—	—	0.05	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.7	—	—	0.05	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.18	—	—	0.067	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.26	—	—	0.067	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.11	—	—	0.067	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.16	—	—	0.067	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.88	—	—	0.066	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	43.1	—	—	2	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	49.6	—	—	2	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	42.2	—	—	2	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	34.5	—	—	2	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	37.4	—	—	2	µg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.343	—	—	0.033	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.406	—	—	0.033	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.398	—	—	0.033	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.388	—	—	0.033	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.3	—	—	0.453	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.1	—	—	0.453	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.9	—	—	0.453	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.2	—	—	0.453	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.8	—	—	0.453	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	59.7	—	—	30	µg/L	Y	J	J	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	57.5	—	—	30	µg/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.88	—	—	0.11	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.07	—	—	0.11	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.11	—	—	0.11	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.85	—	—	0.11	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4	—	—	0.11	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.26	—	—	0.5	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.21	—	—	0.5	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.24	—	—	0.5	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.7	—	—	0.5	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.68	—	—	0.5	µg/L	Y	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.05	—	—	0.085	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.35	—	—	0.085	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.92	—	—	0.17	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.14	—	—	0.17	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.56	—	—	0.1	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.984	—	—	0.1	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.905	—	—	0.1	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.99	—	—	0.1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.988	—	—	0.1	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.966	—	—	0.05	µg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.37	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.34	—	—	0.05	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	3.54	—	—	1.5	µg/L	Y	J	J	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.07	—	—	1.5	µg/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.05	—	—	1.5	µg/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.25	—	—	1.5	µg/L	Y	J	J	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.04	—	—	1.5	µg/L	Y	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.1	—	—	0.053	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.6	—	—	0.053	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.5	—	—	0.053	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.1	—	—	0.053	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.2	—	—	0.053	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	µS/cm	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	µS/cm	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	µS/cm	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	178	—	—	1	µS/cm	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	182	—	—	1	µS/cm	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	65.6	—	—	1	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	69.9	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.6	—	—	1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	66.4	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	68.7	—	—	1	µg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.8	—	—	0.133	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.3	—	—	0.133	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.8	—	—	0.133	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.7	—	—	0.133	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	169	—	—	3.4	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	190	—	—	3.4	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	02/06/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0425	—	—	0.033	mg/L	Y	J	J	2013-516	CASA-13-28358	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	05/22/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0754	—	—	0.035	mg/L	Y	J	J	12-1315	CASA-12-14058	GELC
R-43 S1	903.9	03/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0807	—	—	0.035	mg/L	Y	J	J-	12-1075	CASA-12-11710	GELC
R-43 S1	903.9	02/06/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1	—	—	0.33	mg/L	Y	—	NQ	2013-516	CASA-13-28358	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.506	—	—	0.33	mg/L	Y	J	J	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.782	—	—	0.33	mg/L	Y	J	J	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	05/22/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-1315	CASA-12-14058	GELC
R-43 S1	903.9	03/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.773	—	—	0.33	mg/L	Y	J	J	12-1075	CASA-12-11710	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.02	—	—	1	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.04	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.45	—	—	1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.07	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.35	—	—	1	µg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.84	—	—	0.01	SU	Y	H	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.83	—	—	0.01	SU	Y	H	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.71	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.49	—	—	0.01	SU	Y	H	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.63	—	—	0.01	SU	Y	H	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	10.5	—	—	0.725	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.44	—	—	0.725	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	10.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	7.25	—	—	0.725	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	7.18	—	—	0.725	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.5	—	—	0.725	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.6	—	—	0.725	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.3	—	—	0.725	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.6	—	—	0.725	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.52	—	—	1.7	µg/L	Y	J	J	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.49	—	—	1.7	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	3.83	—	—	1.7	µg/L	Y	J	U	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.2	—	—	1	µg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.6	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.1	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.4	—	—	1	µg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	34.4	—	—	15	µg/L	Y	J	J	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	37.2	—	—	15	µg/L	Y	J	J	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	38.6	—	—	15	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	35.2	—	—	15	µg/L	Y	J	J	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	35.9	—	—	15	µg/L	Y	J	J	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.6	—	—	0.05	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.1	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.6	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.81	—	—	0.067	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.87	—	—	0.067	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.72	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.7	—	—	0.067	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.51	—	—	0.066	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.44	—	—	2	µg/L	Y	J	J	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.45	—	—	2	µg/L	Y	J	J	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.85	—	—	2	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.45	—	—	2	µg/L	Y	J	J	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.64	—	—	2	µg/L	Y	J	J	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.273	—	—	0.033	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.347	—	—	0.033	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.337	—	—	0.033	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.345	—	—	0.033	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.1	—	—	0.453	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63	—	—	0.453	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.8	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.4	—	—	0.453	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.6	—	—	0.453	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.76	—	—	0.11	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.92	—	—	0.11	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.68	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.43	—	—	0.11	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.42	—	—	0.11	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.19	—	—	0.5	µg/L	Y	J	J	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.745	—	—	0.5	µg/L	Y	J	J	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.695	—	—	0.5	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.638	—	—	0.5	µg/L	Y	J	J	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.695	—	—	0.5	µg/L	Y	J	J	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.13	—	—	0.085	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.08	—	—	0.017	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	—	—	0.085	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.085	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC



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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.04	—	—	0.05	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.517	—	—	0.05	µg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.472	—	—	0.05	µg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.497	—	—	0.05	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.422	—	—	0.05	µg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	CIO4	Y	0.438	—	—	0.05	µg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.44	—	—	0.05	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.6	—	—	0.053	mg/L	Y	—	J-	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.9	—	—	0.053	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.2	—	—	0.053	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.6	—	—	0.053	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.2	—	—	0.1	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	µS/cm	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	—	1	µS/cm	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	186	—	—	1	µS/cm	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	—	—	1	µS/cm	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	1	µS/cm	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	107	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	95.3	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	94.9	—	—	1	µg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.39	—	—	0.133	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.59	—	—	0.133	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.15	—	—	0.133	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.15	—	—	0.133	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.96	—	—	0.1	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	—	3.4	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0702	—	—	0.033	mg/L	Y	J	J+	2013-518	CASA-13-28359	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	05/22/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1315	CASA-12-14059	GELC
R-43 S2	969.1	03/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1076	CASA-12-11711	GELC
R-43 S2	969.1	02/07/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.645	—	—	0.33	mg/L	Y	J	J	2013-518	CASA-13-28359	GELC



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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.641	—	—	0.33	mg/L	Y	J	J	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	05/22/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-1315	CASA-12-14059	GELC
R-43 S2	969.1	03/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.559	—	—	0.33	mg/L	Y	J	J	12-1076	CASA-12-11711	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.978	—	—	0.067	µg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.11	—	—	0.067	µg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.02	—	—	0.067	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.02	—	—	0.067	µg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.998	—	—	0.067	µg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.54	—	—	1	µg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.95	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.09	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.12	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.04	—	—	1	µg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.2	—	—	0.725	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.725	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.9	—	—	0.725	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.725	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61	—	—	0.725	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.4	—	—	1	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.6	—	—	1	µg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.7	—	—	1	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.6	—	—	1	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.6	—	—	1	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.4	—	—	0.05	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.5	—	—	0.05	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.1	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.4	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.7	—	—	0.067	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.07	—	—	0.067	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.14	—	—	0.067	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.79	—	—	0.067	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.08	—	—	0.066	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	98.1	—	—	2	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	96.3	—	—	2	µg/L	Y	—	NQ	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.79	—	—	2	µg/L	N	J	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	87.4	—	—	2	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	98.3	—	—	2	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	99.8	—	—	2	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.337	—	—	0.033	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.328	—	—	0.033	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.336	—	—	0.033	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.334	—	—	0.033	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.3	—	—	0.453	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.4	—	—	0.453	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.5	—	—	0.453	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.9	—	—	0.453	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.1	—	—	0.453	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.8	—	—	0.11	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.09	—	—	0.11	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.41	—	—	0.11	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.64	—	—	0.11	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.77	—	—	0.11	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.35	—	—	0.5	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.11	—	—	0.5	µg/L	Y	—	NQ	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.7	—	—	0.5	µg/L	N	J	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.01	—	—	0.5	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.5	—	—	0.5	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.41	—	—	0.5	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.59	—	—	0.085	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.5	—	—	0.085	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.81	—	—	0.085	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.72	—	—	0.085	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.53	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.58	—	—	0.05	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.552	—	—	0.05	µg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.555	—	—	0.05	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.582	—	—	0.05	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.521	—	—	0.05	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.61	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.56	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.8	—	—	0.053	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.2	—	—	0.053	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.2	—	—	0.053	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.4	—	—	0.053	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.7	—	—	0.1	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.9	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	µS/cm	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	µS/cm	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	µS/cm	Y	—	NQ	12-1503	CAMO-12-21745	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	µS/cm	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	179	—	—	1	µS/cm	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	64.2	—	—	1	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	65.8	—	—	1	µg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.1	—	—	1	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	63	—	—	1	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61.6	—	—	1	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.5	—	—	0.133	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	—	—	0.133	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.6	—	—	0.133	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.4	—	—	0.133	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	166	—	—	3.4	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.08	—	—	0.33	mg/L	Y	—	NQ	2013-508	CAMO-13-28410	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.4	—	—	0.33	mg/L	Y	—	NQ	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.22	—	—	0.33	mg/L	Y	—	NQ	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	05/31/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.67	—	—	0.33	mg/L	Y	—	NQ	12-1334	CAMO-12-14014	GELC
R-50 S1	1077	03/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.831	—	—	0.33	mg/L	Y	J	U	12-1066	CAMO-12-12021	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.568	—	—	0.067	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.573	—	—	0.067	µg/L	Y	—	NQ	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.636	—	—	0.067	µg/L	N	—	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.623	—	—	0.067	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.6	—	—	0.067	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.654	—	—	0.067	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.97	—	—	1	µg/L	Y	J	J	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.32	—	—	1	µg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.91	—	—	1	µg/L	Y	J	J	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.82	—	—	1	µg/L	Y	J	J	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.72	—	—	1	µg/L	Y	J	J	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.74	—	—	3.3	µg/L	Y	J	J	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.81	—	—	3.3	µg/L	Y	J	J	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	11	—	—	3.3	µg/L	Y	—	U	12-1066	CAMO-12-12030	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.5	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.9	—	—	1	µg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.6	—	—	1	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.8	—	—	1	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.9	—	—	1	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.6	—	—	15	µg/L	Y	J	J	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.3	—	—	15	µg/L	Y	J	J	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.3	—	—	15	µg/L	Y	J	J	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.4	—	—	0.05	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.07	—	—	0.067	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.11	—	—	0.067	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.11	—	—	0.067	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.08	—	—	0.067	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.06	—	—	0.066	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.19	—	—	2	µg/L	Y	J	J	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.25	—	—	2	µg/L	Y	J	J	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	14.6	—	—	2	µg/L	N	—	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.17	—	—	2	µg/L	Y	J	J	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.99	—	—	2	µg/L	Y	J	J	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.77	—	—	2	µg/L	Y	J	J	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.335	—	—	0.033	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.401	—	—	0.033	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.339	—	—	0.033	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.39	—	—	0.033	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.394	—	—	0.033	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.2	—	—	0.453	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.8	—	—	0.453	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.9	—	—	0.453	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.7	—	—	0.453	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.9	—	—	0.453	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.03	—	—	0.11	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.66	—	—	0.11	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.93	—	—	0.11	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.92	—	—	0.11	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.9	—	—	0.11	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.165	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.165	µg/L	Y	—	NQ	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.895	—	—	0.165	µg/L	N	—	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.3	—	—	0.165	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.33	—	—	0.165	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.36	—	—	0.5	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.61	—	—	0.5	µg/L	Y	J	J	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.866	—	—	0.5	µg/L	N	J	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	µg/L	Y	J	J	12-1506	CAMO-12-21746	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.45	—	—	0.5	µg/L	Y	J	J	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.6	—	—	0.5	µg/L	Y	J	J	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.445	—	—	0.017	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.471	—	—	0.017	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.495	—	—	0.017	mg/L	Y	H	NQ	12-1506-1	CAMO-12-21746	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.975	—	—	0.085	mg/L	N	—	R	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.55	—	—	0.085	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.505	—	—	0.05	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.296	—	—	0.05	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.33	—	—	0.05	µg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.336	—	—	0.05	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.341	—	—	0.05	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.325	—	—	0.05	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.44	—	—	0.05	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.17	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.3	—	—	0.053	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.7	—	—	0.053	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.9	—	—	0.053	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.7	—	—	0.053	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.6	—	—	0.053	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.39	—	—	0.1	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	µS/cm	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	1	µS/cm	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	137	—	—	1	µS/cm	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.4	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	55.4	—	—	1	µg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.7	—	—	1	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.6	—	—	1	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.6	—	—	1	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.51	—	—	0.133	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.59	—	—	0.133	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.48	—	—	0.133	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.49	—	—	0.133	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.54	—	—	0.1	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	97.1	—	—	3.4	mg/L	Y	—	J	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.934	—	—	0.33	mg/L	Y	J	J	2013-502	CAMO-13-28411	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.761	—	—	0.33	mg/L	Y	J	J	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.534	—	—	0.33	mg/L	Y	J	J	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	05/31/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.663	—	—	0.33	mg/L	Y	J	J	12-1334	CAMO-12-14015	GELC
R-50 S2	1185	03/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.568	—	—	0.33	mg/L	Y	J	J	12-1061	CAMO-12-12022	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.576	—	—	0.067	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.574	—	—	0.067	µg/L	Y	—	NQ	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.463	—	—	0.067	µg/L	N	—	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.62	—	—	0.067	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.603	—	—	0.067	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.673	—	—	0.067	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.01	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.61	—	—	1	µg/L	Y	J	J	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.23	—	—	1	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.32	—	—	1	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.08	—	—	1	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.09	—	—	3.3	µg/L	Y	J	J	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.61	—	—	3.3	µg/L	Y	J	J	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.6	—	—	3.3	µg/L	Y	J	J	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.52	—	—	3.3	µg/L	Y	J	J	12-1061	CAMO-12-12031	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.91	—	—	0.01	SU	Y	H	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.78	—	—	0.01	SU	Y	H	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.34	—	—	0.01	SU	Y	H	J-	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.44	—	—	0.01	SU	Y	H	J-	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.41	—	—	0.01	SU	Y	H	J-	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.34	—	—	0.01	SU	Y	H	J-	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	47.6	—	—	0.725	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.7	—	—	0.725	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.3	—	—	0.73	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.2	—	—	0.73	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.7	—	—	0.73	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90.7	—	—	0.73	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	117	—	—	68	µg/L	Y	J	J	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	107	—	—	68	µg/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0381	—	—	0.017	mg/L	Y	J	J+	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0253	—	—	0.017	mg/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0233	—	—	0.016	mg/L	Y	J	J	12-734	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0193	—	—	0.016	mg/L	Y	J	J	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.5	—	—	1	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.3	—	—	1	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.5	—	—	1	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	47	—	—	1	µg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	47.6	—	—	1	µg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	61.6	—	—	1	µg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.6	—	—	15	µg/L	Y	J	J	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.4	—	—	15	µg/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.5	—	—	15	µg/L	Y	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	µg/L	Y	J	J	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.3	—	—	15	µg/L	Y	J	J	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.7	—	—	15	µg/L	Y	J	J	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	6.98	—	—	0.05	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	5.88	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.4	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.5	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.96	—	—	0.067	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.17	—	—	0.067	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.05	—	—	0.066	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.05	—	—	0.066	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.06	—	—	0.066	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.35	—	—	0.066	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	13.8	—	—	2	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16.4	—	—	2	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.03	—	—	2	µg/L	Y	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.84	—	—	2	µg/L	Y	J	J	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.68	—	—	2	µg/L	Y	J	J	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.603	—	—	0.033	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.589	—	—	0.033	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.329	—	—	0.033	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.318	—	—	0.033	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.326	—	—	0.033	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.303	—	—	0.033	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	29.3	—	—	0.453	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	24.5	—	—	0.453	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.4	—	—	0.45	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.5	—	—	0.45	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.3	—	—	0.45	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.3	—	—	0.45	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	87.6	—	—	30	µg/L	Y	J	J	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	72	—	—	30	µg/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1150	—	—	30	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	Y	920	—	—	30	µg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	909	—	—	30	µg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	2550	—	—	30	µg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC



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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.88	—	—	0.11	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.38	—	—	0.11	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.02	—	—	0.11	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.83	—	—	0.11	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.82	—	—	0.11	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.69	—	—	0.11	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	16.6	—	—	2	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	33.7	—	—	2	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	554	—	—	2	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	902	—	—	2	µg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	914	—	—	2	µg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	1100	—	—	2	µg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.22	—	—	0.165	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.14	—	—	0.165	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.73	—	—	0.17	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.67	—	—	0.17	µg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.49	—	—	0.17	µg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	14.6	—	—	0.17	µg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.22	—	—	0.5	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.66	—	—	0.5	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.57	—	—	0.5	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.34	—	—	0.5	µg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.25	—	—	0.5	µg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.02	—	—	0.5	µg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.63	—	—	0.085	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.58	—	—	0.085	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.68	—	—	0.05	mg/L	Y	—	NQ	12-734	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.41	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.427	—	—	0.01	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.22	—	—	0.5	µg/L	Y	—	J	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.13	—	—	0.5	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.37	—	—	0.5	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.96	—	—	0.5	µg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.9	—	—	0.5	µg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.96	—	—	0.25	µg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	22.5	—	—	0.05	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	27.4	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.96	—	—	0.05	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.62	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.59	—	—	0.05	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	95.4	—	—	0.053	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	102	—	—	0.053	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.3	—	—	0.053	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.6	—	—	0.053	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.9	—	—	0.053	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC



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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.1	—	—	0.053	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	19.2	—	—	0.1	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.9	—	—	0.1	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.9	—	—	0.1	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.1	—	—	0.1	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	µS/cm	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	µS/cm	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	165	—	—	1	µS/cm	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	µS/cm	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	µS/cm	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	209	—	—	1	µS/cm	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	29	—	—	1	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	25.8	—	—	1	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.2	—	—	1	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.7	—	—	1	µg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.3	—	—	1	µg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	91.5	—	—	1	µg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.11	—	—	0.133	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.41	—	—	0.133	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.04	—	—	0.1	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.59	—	—	0.1	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.57	—	—	0.1	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.27	—	—	0.1	mg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	—	—	3.4	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	65.7	—	—	3.4	mg/L	Y	—	J	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.18	—	—	0.33	mg/L	Y	—	NQ	2013-526	CAMO-13-28412	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.59	—	—	0.33	mg/L	Y	—	NQ	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.86	—	—	0.33	mg/L	Y	J	J	12-734	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.14	—	—	0.33	mg/L	Y	—	NQ	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.08	—	—	0.33	mg/L	Y	—	NQ	12-411	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	10.1	—	—	0.33	mg/L	Y	—	NQ	11-3264	CAMO-11-24698	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	8.84	—	—	0.17	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	11.8	—	—	0.17	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0531	—	—	0.015	mg/L	Y	—	NQ	12-734	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	UJ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0642	—	—	0.015	mg/L	Y	—	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.229	—	—	0.067	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.255	—	—	0.067	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1	—	—	0.067	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.736	—	—	0.067	µg/L	Y	—	NQ	12-412	CAMO-12-1515	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.73	—	—	0.067	µg/L	Y	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.1	—	—	0.067	µg/L	Y	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.46	—	—	1	µg/L	Y	J	J	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.21	—	—	1	µg/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.99	—	—	1	µg/L	Y	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.32	—	—	3.3	µg/L	Y	J	J	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	22.1	—	—	3.3	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-3264	CAMO-11-24696	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.68	—	—	0.01	SU	Y	H	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.69	—	—	0.01	SU	Y	H	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.25	—	—	0.01	SU	Y	H	J-	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.2	—	—	0.01	SU	Y	H	J-	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.14	—	—	0.01	SU	Y	H	J-	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68	—	—	0.725	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.5	—	—	0.725	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.3	—	—	0.73	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.8	—	—	0.73	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	94.4	—	—	0.73	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.136	—	—	0.017	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-744	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.048	—	—	0.016	mg/L	Y	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.93	—	—	1.7	µg/L	Y	J	J	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.99	—	—	1.7	µg/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.1	—	—	1	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	32.6	—	—	1	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.7	—	—	1	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.4	—	—	1	µg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	42.2	—	—	1	µg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	39.1	—	—	15	µg/L	Y	J	J	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	29	—	—	15	µg/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.5	—	—	15	µg/L	Y	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.2	—	—	15	µg/L	Y	J	J	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	33.2	—	—	15	µg/L	Y	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0767	—	—	0.067	mg/L	Y	J	J	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0831	—	—	0.066	mg/L	Y	J	J	12-745	CAMO-12-2231	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.24	—	—	0.05	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	7.99	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.9	—	—	0.05	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.28	—	—	0.067	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.63	—	—	0.067	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.01	—	—	0.066	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.95	—	—	0.066	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.18	—	—	0.066	mg/L	Y	—	J+	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.68	—	—	1	µg/L	Y	J	J	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.99	—	—	1	µg/L	Y	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.07	—	—	1	µg/L	Y	J	J	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	2.45	—	—	1	µg/L	Y	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.851	—	—	0.033	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.739	—	—	0.033	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.342	—	—	0.033	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.31	—	—	0.033	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.241	—	—	0.033	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.9	—	—	0.453	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.8	—	—	0.453	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.7	—	—	0.45	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.2	—	—	0.45	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.1	—	—	0.45	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1760	—	—	30	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	331	—	—	30	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	148	—	—	30	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1750	—	—	30	µg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	5590	—	—	30	µg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.85	—	—	0.11	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.37	—	—	0.11	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.59	—	—	0.11	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.78	—	—	0.11	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.48	—	—	0.11	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	174	—	—	2	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	91.5	—	—	2	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	744	—	—	2	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	566	—	—	2	µg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	908	—	—	2	µg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.79	—	—	0.165	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.81	—	—	0.165	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	4.71	—	—	0.17	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	5.76	—	—	0.17	µg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	10.9	—	—	0.17	µg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.09	—	—	0.5	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.84	—	—	0.5	µg/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.34	—	—	0.5	µg/L	Y	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	µg/L	Y	J	J	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.59	—	—	0.5	µg/L	Y	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.262	—	—	0.017	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.27	—	—	0.017	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.05	—	—	0.01	mg/L	Y	U	U	12-744	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.313	—	—	0.05	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.362	—	—	0.1	mg/L	Y	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.208	—	—	0.05	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.253	—	—	0.05	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.278	—	—	0.05	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.265	—	—	0.05	µg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.205	—	—	0.05	µg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	24.4	—	—	0.05	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.34	—	—	0.05	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	115	—	—	0.265	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	120	—	—	0.53	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.1	—	—	0.053	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.8	—	—	0.053	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	20.5	—	—	0.1	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	20.7	—	—	0.1	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.9	—	—	0.1	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	24.4	—	—	0.1	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	224	—	—	1	µS/cm	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	197	—	—	1	µS/cm	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	159	—	—	1	µS/cm	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	164	—	—	1	µS/cm	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	203	—	—	1	µS/cm	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	40.8	—	—	1	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	33.6	—	—	1	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	63.4	—	—	1	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	65.1	—	—	1	µg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	81.4	—	—	1	µg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.87	—	—	0.133	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.16	—	—	0.133	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.2	—	—	0.1	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.13	—	—	0.1	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.85	—	—	0.1	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	239	—	—	3.4	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	256	—	—	3.4	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	3.4	mg/L	Y	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0995	—	—	0.033	mg/L	Y	J	J	2013-532	CAMO-13-28413	GELC
R-61 S2	1220	11/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.14	—	—	0.033	mg/L	Y	—	NQ	2013-334	CAMO-13-24252	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.113	—	—	0.035	mg/L	Y	—	NQ	12-744	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.17	—	—	0.035	mg/L	Y	—	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	02/12/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	5.5	—	—	0.33	mg/L	Y	—	NQ	2013-532	CAMO-13-28413	GELC
R-61 S2	1220	11/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.65	—	—	0.33	mg/L	Y	—	NQ	2013-334	CAMO-13-24252	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.864	—	—	0.33	mg/L	Y	J	J	12-744	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.49	—	—	0.33	mg/L	Y	—	NQ	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	14.7	—	—	0.33	mg/L	Y	—	J	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	19.7	—	—	0.17	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	19.1	—	—	0.17	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0389	—	—	0.015	mg/L	Y	J	J	12-744	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.16	—	—	1	µg/L	Y	J	J	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.11	—	—	1	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.51	—	—	1	µg/L	Y	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.07	—	—	1	µg/L	Y	J	J	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.57	—	—	3.3	µg/L	Y	J	J	2013-532	CAMO-13-28421	GELC
R-61 S2	1220	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.4	—	—	3.3	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.43	—	—	3.3	µg/L	Y	J	J	11-3277	CAMO-11-24702	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.69	—	—	0.01	SU	Y	H	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.74	—	—	0.01	SU	Y	H	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.74	—	—	0.01	SU	Y	H	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.45	—	—	0.01	SU	Y	H	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.48	—	—	0.01	SU	Y	H	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.49	—	—	0.01	SU	Y	H	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	—	—	0.01	SU	Y	H	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.09	—	—	0.725	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.12	—	—	0.725	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	3.98	—	—	0.725	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.725	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.725	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.725	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.5	—	—	0.725	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.6	—	—	0.725	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.7	—	—	0.725	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.5	—	—	0.725	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.2	—	—	1	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.6	—	—	1	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23	—	—	1	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.9	—	—	1	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.5	—	—	1	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.7	—	—	0.05	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.1	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.6	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.1	—	—	0.05	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.43	—	—	0.067	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.83	—	—	0.067	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.85	—	—	0.067	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.74	—	—	0.067	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.26	—	—	0.067	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.26	—	—	0.067	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.64	—	—	0.066	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	123	—	—	10	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	128	—	—	10	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	133	—	—	10	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	175	—	—	2	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	135	—	—	10	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	129	—	—	10	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	198	—	—	2	µg/L	Y	N	J-	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.181	—	—	0.033	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.244	—	—	0.033	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.246	—	—	0.033	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.202	—	—	0.033	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.242	—	—	0.033	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.246	—	—	0.033	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.413	—	—	0.033	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.6	—	—	0.453	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.6	—	—	0.453	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64	—	—	0.453	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.3	—	—	0.453	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.7	—	—	0.453	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.1	—	—	0.453	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.453	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.61	—	—	0.11	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.96	—	—	0.11	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.88	—	—	0.11	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.4	—	—	0.11	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.32	—	—	0.11	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.31	—	—	0.11	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.86	—	—	0.11	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.58	—	—	0.165	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.91	—	—	0.165	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.92	—	—	0.165	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.61	—	—	0.165	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.14	—	—	0.165	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.09	—	—	0.165	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.36	—	—	0.165	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.14	—	—	0.5	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.96	—	—	0.5	µg/L	Y	J	J	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.01	—	—	0.5	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.15	—	—	0.5	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.09	—	—	0.5	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.11	—	—	0.5	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.06	—	—	0.5	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.947	—	—	0.017	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.02	—	—	0.017	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.99	—	—	0.085	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	—	—	0.085	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.08	—	—	0.085	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.1	—	—	0.085	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.39	—	—	0.05	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.79	—	—	0.05	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.771	—	—	0.05	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.764	—	—	0.05	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.819	—	—	0.05	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.775	—	—	0.05	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.765	—	—	0.05	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.777	—	—	0.05	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	59.8	—	—	0.053	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.5	—	—	0.053	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63	—	—	0.053	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	0.0609	—	—	0.053	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	61.4	—	—	0.053	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.7	—	—	0.053	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.3	—	—	0.053	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC



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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.1	—	—	0.1	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.8	—	—	0.1	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.1	—	—	0.1	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	µS/cm	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	1	µS/cm	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	189	—	—	1	µS/cm	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	µS/cm	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	18.4	—	—	1	µS/cm	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	1	µS/cm	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	198	—	—	1	µS/cm	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	93.9	—	—	1	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	98.9	—	—	1	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.3	—	—	1	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	77.5	—	—	1	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	80.3	—	—	1	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	79.1	—	—	1	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	80.4	—	—	1	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.7	—	—	0.133	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.2	—	—	0.133	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.1	—	—	0.133	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.6	—	—	0.133	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.8	—	—	0.133	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.8	—	—	0.133	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.56	—	—	0.1	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	3.4	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	180	—	—	3.4	mg/L	Y	—	J	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.486	—	—	0.33	mg/L	Y	J	J	2013-511	CAMO-13-28414	GELC
R-62	1158	11/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.641	—	—	0.33	mg/L	Y	J	J	2013-297	CAMO-13-24253	GELC
R-62	1158	11/08/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.573	—	—	0.33	mg/L	Y	J	J	2013-297	CAMO-13-24228	GELC
R-62	1158	08/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.589	—	—	0.33	mg/L	Y	J	J	12-1482	CAMO-12-21741	GELC
R-62	1158	06/06/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.928	—	—	0.33	mg/L	Y	J	J	12-1349	CAMO-12-14018	GELC
R-62	1158	06/06/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.889	—	—	0.33	mg/L	Y	J	J	12-1349	CAMO-12-13999	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.398	—	—	0.33	mg/L	Y	J	J-	12-1149	CAMO-12-12025	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.802	—	—	0.067	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.991	—	—	0.067	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.995	—	—	0.067	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.957	—	—	0.067	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.991	—	—	0.067	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.945	—	—	0.067	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC



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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.06	—	—	0.067	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.79	—	—	1	µg/L	Y	J	J	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.27	—	—	1	µg/L	Y	J	J	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.17	—	—	1	µg/L	Y	J	J	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.95	—	—	1	µg/L	Y	J	J	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.67	—	—	1	µg/L	Y	J	J	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.49	—	—	1	µg/L	Y	J	J	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.27	—	—	1	µg/L	Y	J	J	12-1149	CAMO-12-12034	GELC
R-62	1158	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.34	—	—	3.3	µg/L	Y	J	J	2013-511	CAMO-13-28422	GELC
R-62	1158	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.83	—	—	3.3	µg/L	Y	J	J	2013-297	CAMO-13-24270	GELC
R-62	1158	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.04	—	—	3.3	µg/L	Y	J	J	2013-297	CAMO-13-24229	GELC
R-62	1158	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	16.8	—	—	3.3	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14.9	—	—	3.3	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14.1	—	—	3.3	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	37.5	—	—	3.3	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.73	—	—	0.01	SU	Y	H	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.65	—	—	0.01	SU	Y	H	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.58	—	—	0.01	SU	Y	H	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.65	—	—	0.01	SU	Y	H	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.67	—	—	0.01	SU	Y	H	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.66	—	—	0.01	SU	Y	H	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	87.3	—	—	0.725	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	93.3	—	—	0.725	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.1	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.8	—	—	0.725	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.3	—	—	0.725	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.6	—	—	0.725	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.1	—	—	0.725	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	64.5	—	—	1	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	69.8	—	—	1	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	68.5	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	69.2	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	66.4	—	—	1	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	71.7	—	—	1	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	65.1	—	—	1	µg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	65.1	—	—	1	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.8	—	—	15	µg/L	Y	J	J	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.6	—	—	15	µg/L	Y	J	J	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.7	—	—	15	µg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	23.3	—	—	15	µg/L	Y	J	J	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.8	—	—	15	µg/L	Y	J	J	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.5	—	—	15	µg/L	Y	J	J	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	µg/L	Y	J	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.5	—	—	15	µg/L	Y	J	J	12-1053	CASA-12-11740	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.612	—	—	0.067	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.639	—	—	0.067	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.59	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.581	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.55	—	—	0.067	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.577	—	—	0.067	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.572	—	—	0.067	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.583	—	—	0.067	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	66.4	—	—	0.05	mg/L	Y	—	J-	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.9	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	69.4	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.3	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.3	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.9	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.3	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.6	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	66.6	—	—	0.335	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	63.7	—	—	0.67	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	59.8	—	—	0.67	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	61.5	—	—	0.67	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.5	—	—	0.67	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.9	—	—	0.67	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	65.8	—	—	0.335	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	65.7	—	—	0.335	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	435	—	—	10	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	436	—	—	2	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	491	—	—	2	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	453	—	—	2	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	440	—	—	2	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	433	—	—	2	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	450	—	—	2	µg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	446	—	—	2	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.162	—	—	0.033	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.225	—	—	0.033	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.186	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.185	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.201	—	—	0.033	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.209	—	—	0.033	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.207	—	—	0.033	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	230	—	—	0.453	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	246	—	—	0.453	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	240	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	243	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	242	—	—	0.453	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	237	—	—	0.453	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	235	—	—	0.453	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	236	—	—	0.453	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.7	—	—	0.11	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.7	—	—	0.11	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.2	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.4	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.1	—	—	0.11	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.9	—	—	0.11	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.5	—	—	0.11	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.8	—	—	0.11	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.9	—	—	0.5	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	18.2	—	—	0.5	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.6	—	—	0.5	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	15.9	—	—	0.5	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	19	—	—	0.5	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.4	—	—	0.5	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.9	—	—	0.5	µg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.6	—	—	0.5	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.99	—	—	0.17	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.28	—	—	0.425	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.89	—	—	0.17	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.78	—	—	0.17	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.47	—	—	0.17	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.47	—	—	0.17	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.08	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.14	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.985	—	—	0.05	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.942	—	—	0.05	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.03	—	—	0.1	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.944	—	—	0.05	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.943	—	—	0.05	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.04	—	—	0.1	µg/L	Y	—	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.5	—	—	0.05	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.78	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.73	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.73	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.64	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.59	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.8	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.84	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.8	—	—	0.053	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.9	—	—	0.053	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.7	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.5	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.4	—	—	0.053	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.2	—	—	0.053	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.6	—	—	0.053	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.5	—	—	0.053	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.8	—	—	0.1	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.5	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.5	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.7	—	—	0.1	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.4	—	—	0.1	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.7	—	—	0.1	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.9	—	—	0.1	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	607	—	—	1	µS/cm	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	618	—	—	1	µS/cm	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	µS/cm	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	596	—	—	1	µS/cm	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	µS/cm	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	601	—	—	1	µS/cm	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	593	—	—	1	µS/cm	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	595	—	—	1	µS/cm	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	330	—	—	1	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	344	—	—	1	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	336	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	338	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	334	—	—	1	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	329	—	—	1	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	337	—	—	1	µg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	339	—	—	1	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	91	—	—	0.665	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	91.7	—	—	1.33	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	85.4	—	—	1.33	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	88	—	—	1.33	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	84.9	—	—	1.33	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	86.2	—	—	1.33	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	90.3	—	—	0.665	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	90.3	—	—	0.665	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	419	—	—	3.4	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	429	—	—	3.4	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	396	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	400	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	411	—	—	3.4	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	433	—	—	3.4	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	416	—	—	3.4	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	376	—	—	3.4	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.149	—	—	0.033	mg/L	Y	—	J+	2013-497	CASA-13-28360	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.088	—	—	0.035	mg/L	Y	J	J	2013-270	CASA-13-24216	GELC
SCI-2	548	08/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1495	CASA-12-21646	GELC
SCI-2	548	08/13/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0591	—	—	0.035	mg/L	Y	J	J	12-1495	CASA-12-22309	GELC
SCI-2	548	05/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.111	—	—	0.035	mg/L	Y	—	NQ	12-1318	CASA-12-14061	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	05/23/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.126	—	—	0.035	mg/L	Y	—	NQ	12-1318	CASA-12-14068	GELC
SCI-2	548	03/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.103	—	—	0.035	mg/L	Y	—	NQ	12-1053	CASA-12-11712	GELC
SCI-2	548	03/05/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.105	—	—	0.035	mg/L	Y	—	NQ	12-1053	CASA-12-11739	GELC
SCI-2	548	01/31/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.15	—	—	0.33	mg/L	Y	—	NQ	2013-497	CASA-13-28360	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.05	—	—	0.33	mg/L	Y	—	U	2013-270	CASA-13-24216	GELC
SCI-2	548	08/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.37	—	—	0.33	mg/L	Y	—	NQ	12-1495	CASA-12-21646	GELC
SCI-2	548	08/13/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.38	—	—	0.33	mg/L	Y	—	NQ	12-1495	CASA-12-22309	GELC
SCI-2	548	05/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.975	—	—	0.33	mg/L	Y	J	J	12-1318	CASA-12-14061	GELC
SCI-2	548	05/23/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.956	—	—	0.33	mg/L	Y	J	J	12-1318	CASA-12-14068	GELC
SCI-2	548	03/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.18	—	—	0.33	mg/L	Y	—	J-	12-1053	CASA-12-11712	GELC
SCI-2	548	03/05/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.18	—	—	0.33	mg/L	Y	—	J-	12-1053	CASA-12-11739	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0452	—	—	0.017	mg/L	Y	J	J	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0773	—	—	0.017	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0429	—	—	0.017	mg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0593	—	—	0.017	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0441	—	—	0.017	mg/L	Y	J	J	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0374	—	—	0.017	mg/L	Y	J	J	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0356	—	—	0.015	mg/L	Y	J	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0266	—	—	0.015	mg/L	Y	J	J	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.11	—	—	0.067	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.06	—	—	0.067	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.83	—	—	0.067	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.63	—	—	0.067	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.96	—	—	0.067	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.86	—	—	0.067	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.8	—	—	0.067	µg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.84	—	—	0.067	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.2	—	—	1	µg/L	Y	J	J	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.3	—	—	1	µg/L	Y	J	J	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.56	—	—	1	µg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.59	—	—	1	µg/L	Y	J	J	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.99	—	—	1	µg/L	Y	J	J	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.91	—	—	1	µg/L	Y	J	J	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.76	—	—	1	µg/L	Y	J	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.62	—	—	1	µg/L	Y	J	J	12-1053	CASA-12-11740	GELC



## **Appendix D**

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*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	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Regional	R-61 S2	1220.4	02/12/13	General Inorganic	Fluoride	F(-1)	F <sup>a</sup>	INIT <sup>b</sup>	REG <sup>c</sup>	Y <sup>d</sup>	0.851	0.033	mg/L	1	NQ <sup>e</sup>	NQ	Y	EPA:300.0	GELC <sup>f</sup>	1.6	NMWQCC GW STD <sup>g</sup>	0.53
Intermediate	MCOI-6	686	02/05/13	General Inorganic	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	7.62	0.17	mg/L	10	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL <sup>h</sup>	0.76
Regional	R-11	855	02/04/13	General Inorganic	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.56	0.17	mg/L	10	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.56
Regional	R-11	855	02/04/13	General Inorganic	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	FD <sup>i</sup>	Y	5.49	0.17	mg/L	10	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.55
Regional	R-42	931.8	02/01/13	General Inorganic	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.44	0.17	mg/L	10	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.54
Regional	R-42	931.8	02/01/13	General Inorganic	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	FD	Y	5.34	0.17	mg/L	10	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.53
Regional	R-43 S1	903.9	02/06/13	General Inorganic	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.05	0.085	mg/L	5	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.51
Intermediate	MCOI-6	686	02/05/13	Metals	Chromium	Cr	F	INIT	REG	Y	66.1	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	1.32
Intermediate	SCI-2	548	01/31/13	Metals	Chromium	Cr	F	INIT	REG	Y	435	10	µg/L	5	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	8.70
Regional	R-11	855	02/04/13	Metals	Chromium	Cr	F	INIT	REG	Y	28.6	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	0.57
Regional	R-11	855	02/04/13	Metals	Chromium	Cr	F	INIT	FD	Y	26.8	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	0.54
Regional	R-28	934.3	02/01/13	Metals	Chromium	Cr	F	INIT	REG	Y	433	10	µg/L	5	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	8.66
Regional	R-42	931.8	02/01/13	Metals	Chromium	Cr	F	INIT	FD	Y	1070	40	µg/L	20	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	21.40
Regional	R-42	931.8	02/01/13	Metals	Chromium	Cr	F	INIT	REG	Y	1040	40	µg/L	20	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	20.80
Regional	R-43 S1	903.9	02/06/13	Metals	Chromium	Cr	F	INIT	REG	Y	43.1	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	0.86
Regional	R-50 S1	1077	02/04/13	Metals	Chromium	Cr	F	INIT	REG	Y	98.1	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	1.96
Regional	R-62	1158.4	02/05/13	Metals	Chromium	Cr	F	INIT	REG	Y	123	10	µg/L	5	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	2.46
Regional	R-61 S2	1220.4	02/12/13	Metals	Iron	Fe	F	INIT	REG	Y	1760	30	µg/L	1	NQ	NQ	Y	SW-846:6010B	GELC	1000	NMWQCC GW STD	1.76
Regional	R-61 S2	1220.4	02/12/13	Metals	Manganese	Mn	F	INIT	REG	Y	174	2	µg/L	1	NQ	NQ	Y	SW-846:6010B	GELC	200	NMWQCC GW STD	0.87
Intermediate	MCOI-6	686	02/05/13	General Inorganic	Perchlorate	ClO4	F	INIT	REG	Y	56.3	5	µg/L	100	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	14.08
Regional	R-61 S1	1125	02/11/13	General Inorganic	Perchlorate	ClO4	F	INIT	REG	Y	6.22	0.5	µg/L	10	J <sup>j</sup>	PE12e <sup>k</sup>	Y	SW-846:6850	GELC	4	Consent Order	1.56

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

<sup>b</sup> INIT = Initial.

<sup>c</sup> REG = Regular.

<sup>d</sup> Y = Yes.

<sup>e</sup> NQ = Not qualified.

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

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

<sup>h</sup> EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.

<sup>i</sup> FD = Field duplicate.

<sup>j</sup> J = The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.

<sup>k</sup> PE12e = The matrix spike/matrix spike duplicate percent recovery was >10% but <75%.

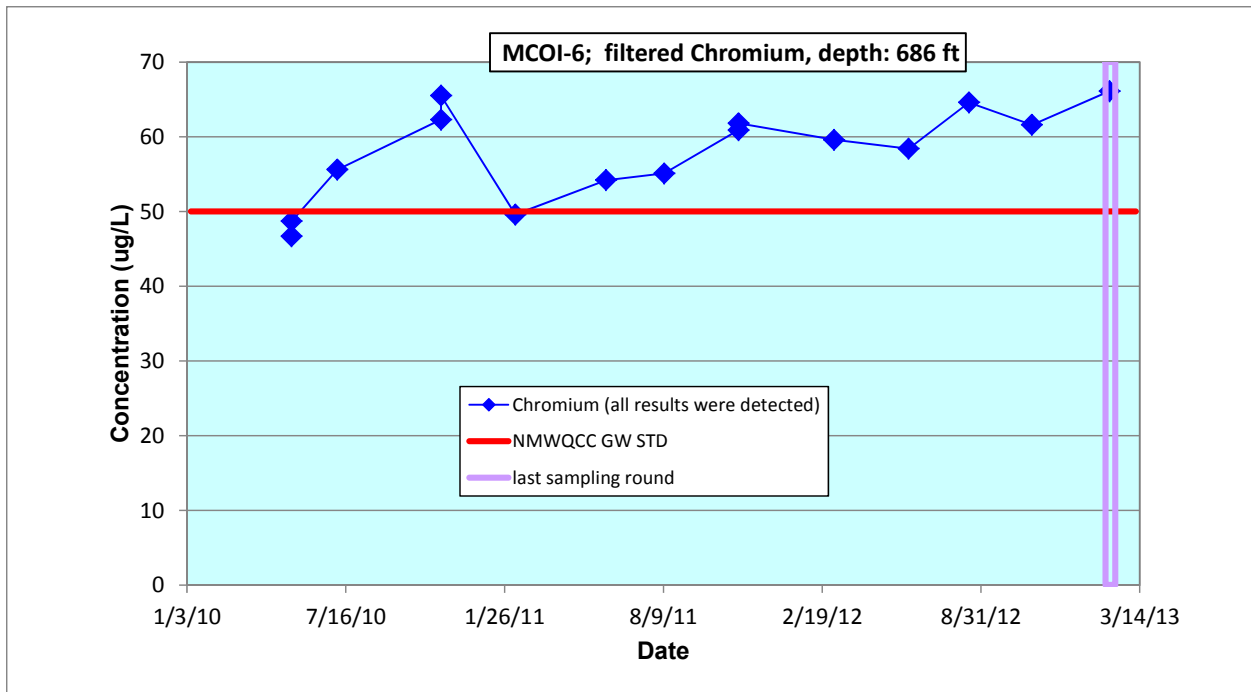
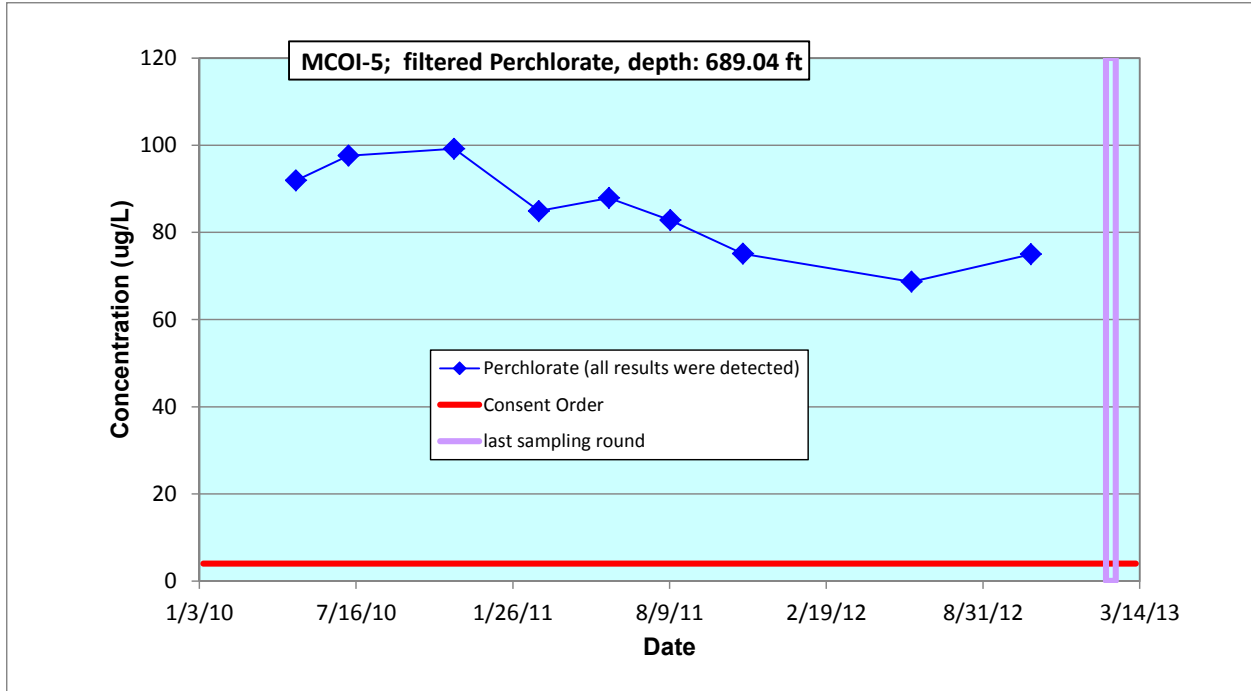


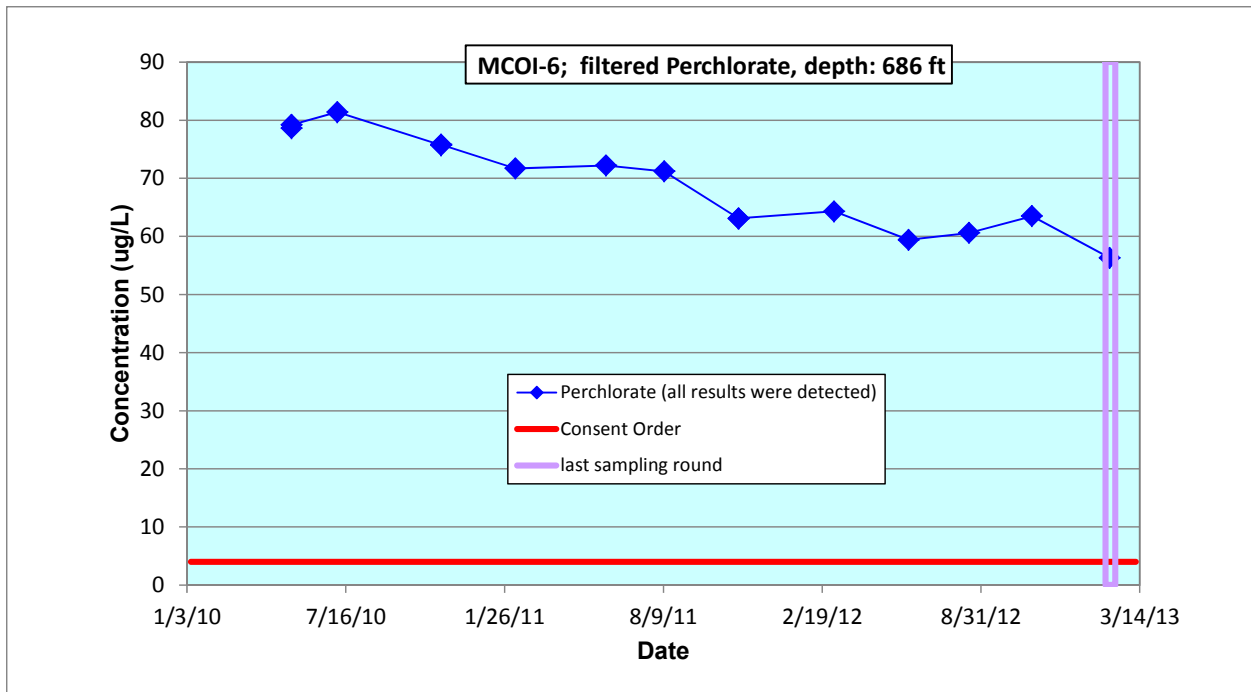
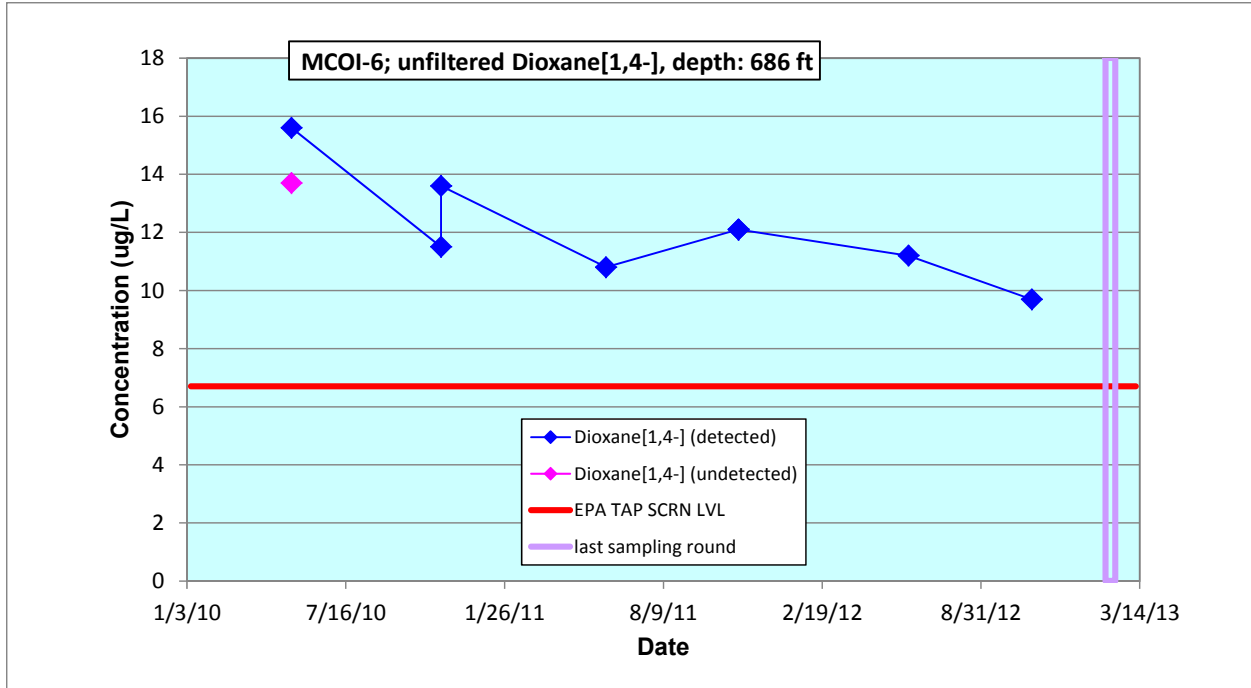
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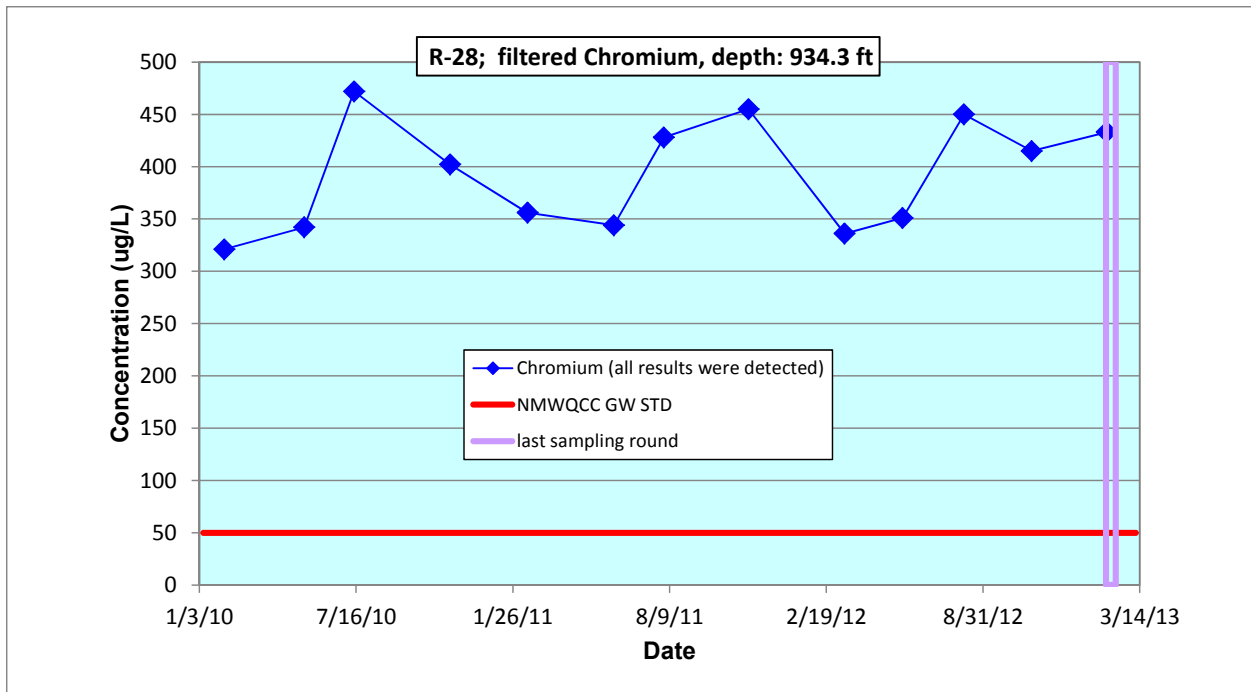
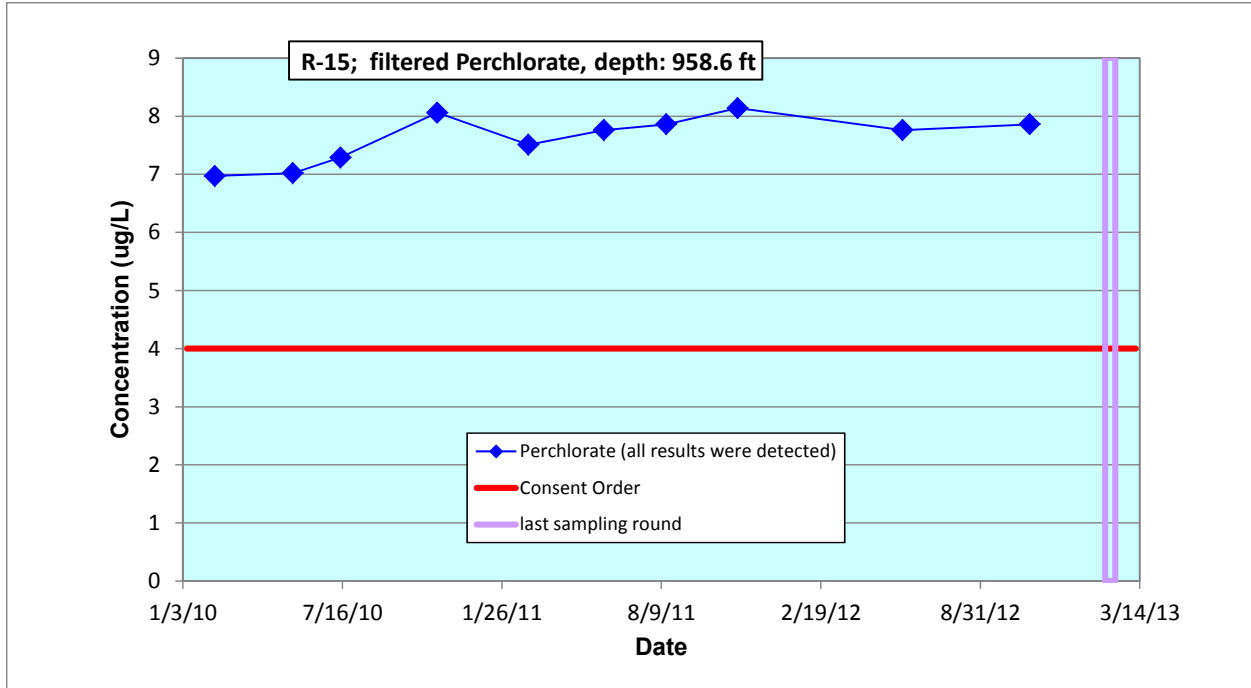
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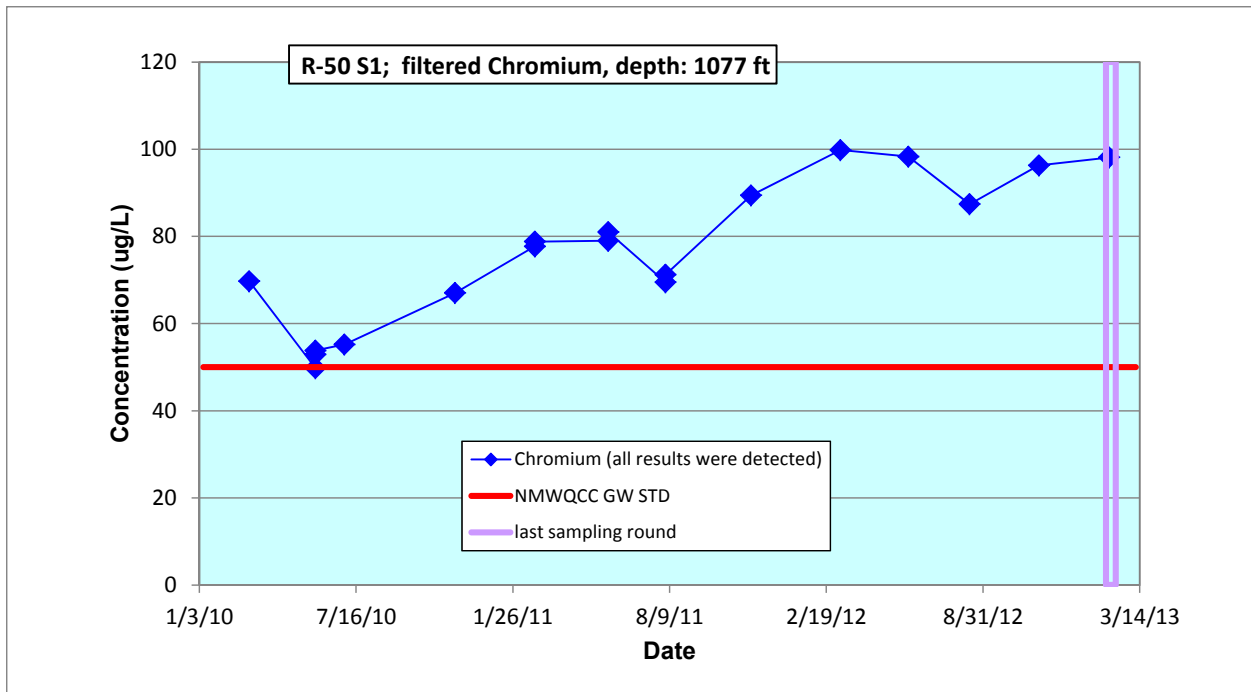
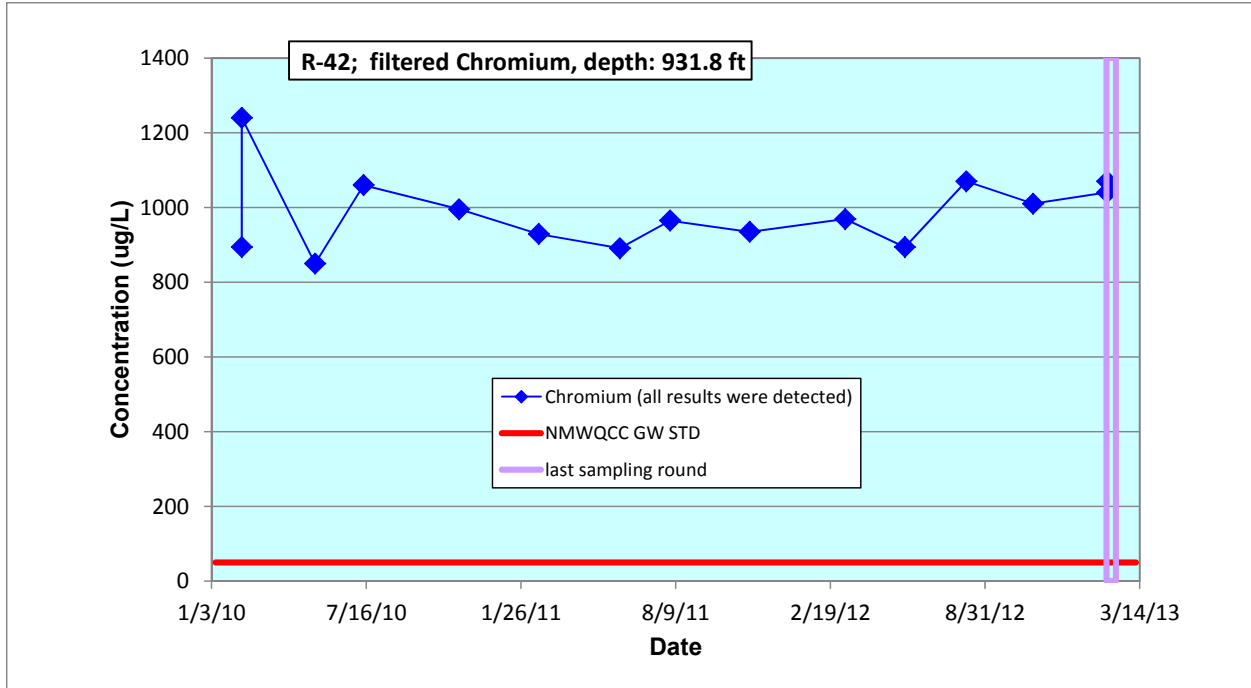
*Analytical Chemistry Graphs of Screening-Level Exceedances*



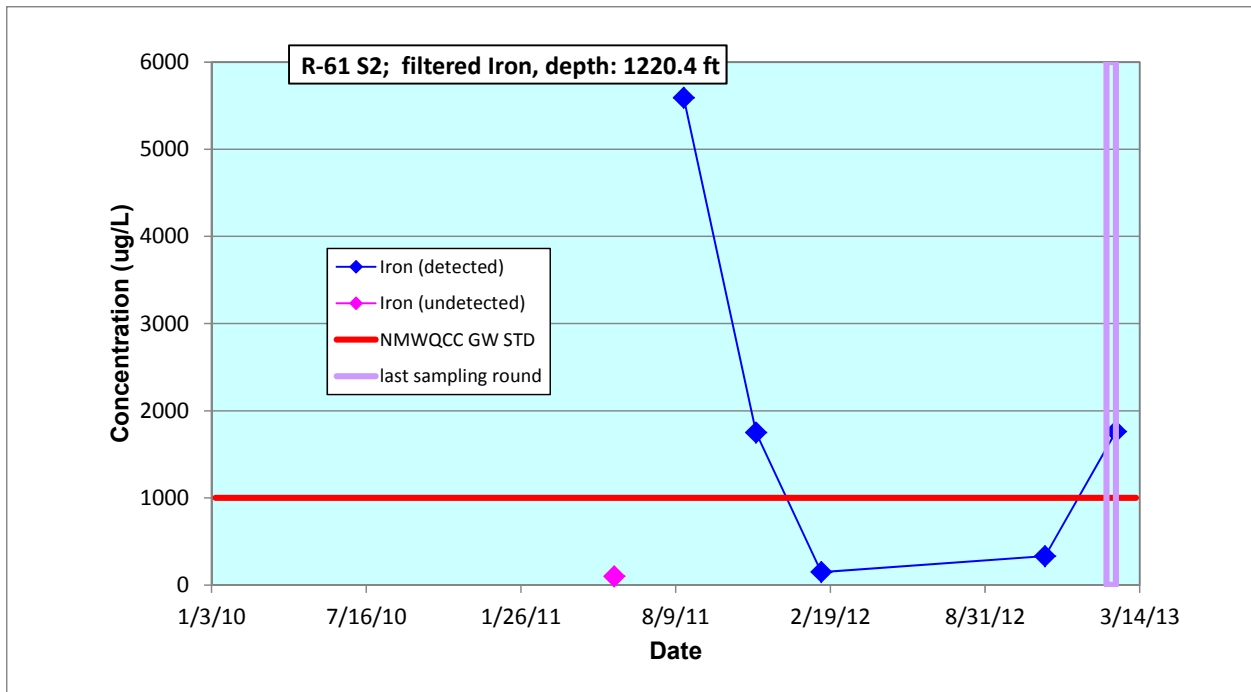
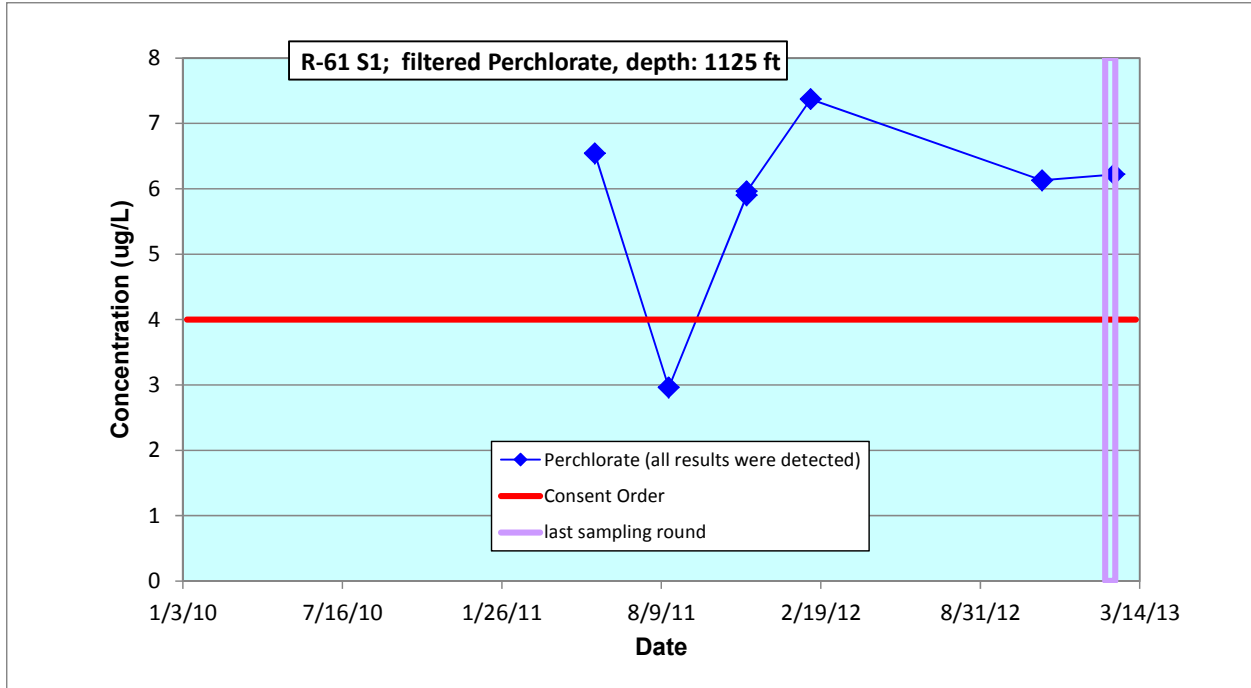


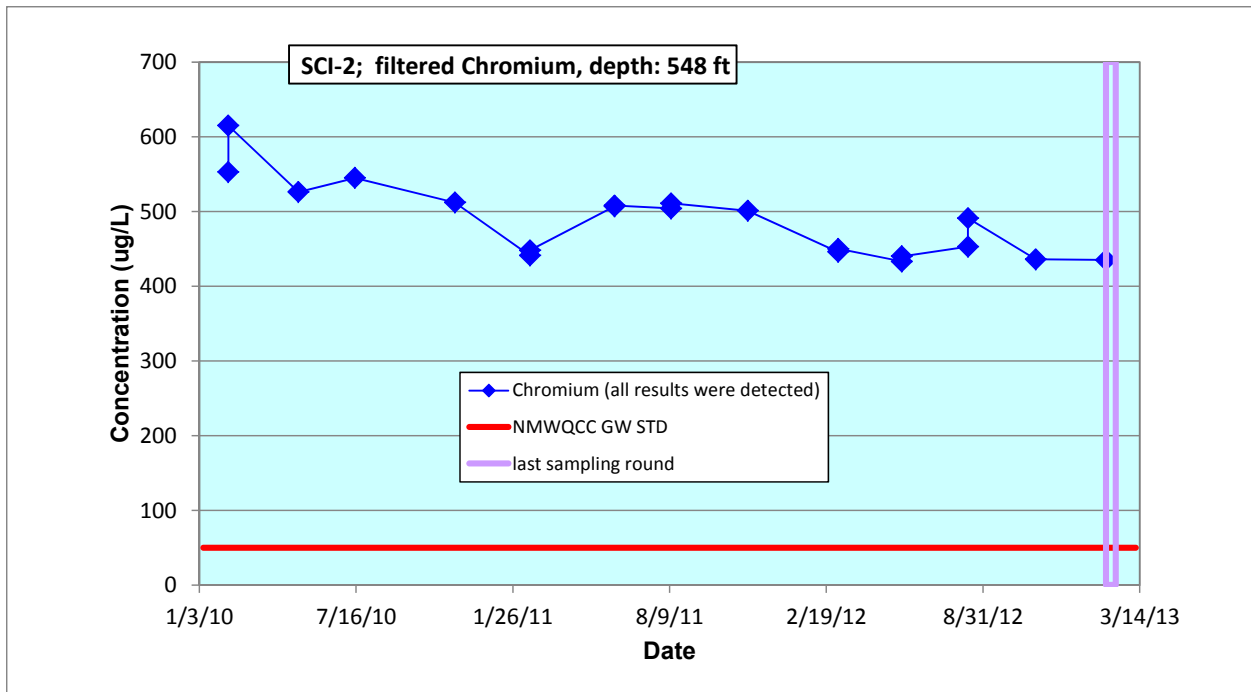
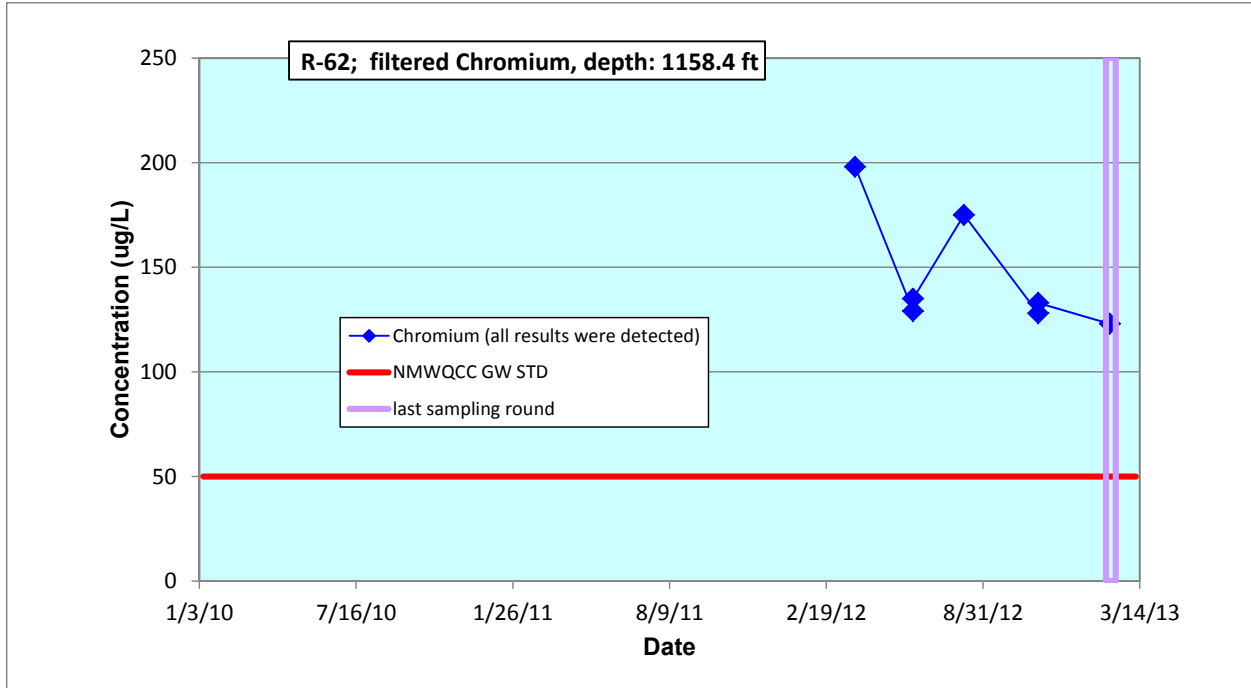


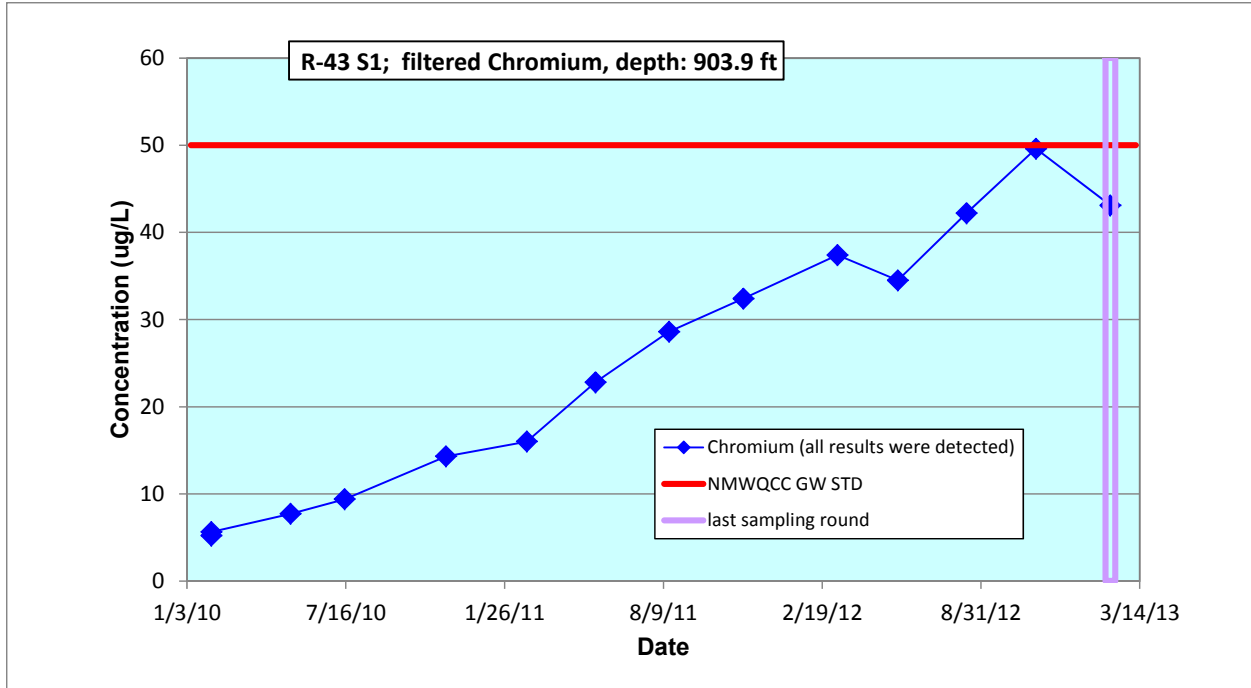














## **Appendix F**

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*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)
12-1052	Inorganic	GELC <sup>a</sup>	CAMO-12-12017	03/05/12	MCOI-6	686	708.3
12-1052	Inorganic	GELC	CAMO-12-12026	03/05/12	MCOI-6	686	708.3
12-1053	Inorganic	GELC	CASA-12-11712	03/05/12	SCI-2	548	568
12-1053	Inorganic	GELC	CASA-12-11716	03/05/12	SCI-2	548	568
12-1053	Inorganic	GELC	CASA-12-11739	03/05/12	SCI-2	548	568
12-1053	Inorganic	GELC	CASA-12-11740	03/05/12	SCI-2	548	568
12-1053	Organic	GELC	CASA-12-11741	03/05/12	SCI-2	548	568
12-1058	Inorganic	GELC	CASA-12-11709	03/07/12	R-11	855	877.9
12-1058	Inorganic	GELC	CASA-12-11713	03/07/12	R-11	855	877.9
12-1061	Inorganic	GELC	CAMO-12-12022	03/07/12	R-50 S2	1185	1205.6
12-1061	Inorganic	GELC	CAMO-12-12031	03/07/12	R-50 S2	1185	1205.6
12-1064	Inorganic	GELC	CASA-12-12037	03/08/12	R-36	766.9	789.9
12-1064	Inorganic	GELC	CASA-12-12038	03/08/12	R-36	766.9	789.9
12-1066	Inorganic	GELC	CAMO-12-12016	03/08/12	R-50 S1	1077	1087
12-1066	Inorganic	GELC	CAMO-12-12020	03/09/12	R-42	931.8	952.9
12-1066	Inorganic	GELC	CAMO-12-12021	03/08/12	R-50 S1	1077	1087
12-1066	Inorganic	GELC	CAMO-12-12029	03/09/12	R-42	931.8	952.9
12-1066	Inorganic	GELC	CAMO-12-12030	03/08/12	R-50 S1	1077	1087
12-1066	Organic	GELC	CAMO-12-12016	03/08/12	R-50 S1	1077	1087
12-1066	Rad <sup>b</sup>	GELC	CAMO-12-12016	03/08/12	R-50 S1	1077	1087
12-1075	Inorganic	GELC	CASA-12-11710	03/09/12	R-43 S1	903.9	924.6
12-1075	Inorganic	GELC	CASA-12-11714	03/09/12	R-43 S1	903.9	924.6
12-1076	Inorganic	GELC	CASA-12-11711	03/12/12	R-43 S2	969.1	979.1
12-1076	Inorganic	GELC	CASA-12-11715	03/12/12	R-43 S2	969.1	979.1
12-1091	Inorganic	GELC	CAMO-12-12018	03/13/12	R-28	934.3	958.1
12-1091	Inorganic	GELC	CAMO-12-12027	03/13/12	R-28	934.3	958.1
12-1149	Inorganic	GELC	CAMO-12-12025	03/26/12	R-62	1158.4	1179.1
12-1149	Inorganic	GELC	CAMO-12-12034	03/26/12	R-62	1158.4	1179.1
12-1149	Organic	GELC	CAMO-12-12014	03/26/12	R-62	1158.4	1179.1
12-1149	Organic	GELC	CAMO-12-12015	03/26/12	R-62	1158.4	1179.1
12-1149	Organic	GELC	CAMO-12-12025	03/26/12	R-62	1158.4	1179.1
12-1149	Rad	GELC	CAMO-12-12025	03/26/12	R-62	1158.4	1179.1
12-1152	Rad	ARSL <sup>c</sup>	CAMO-12-12025	03/26/12	R-62	1158.4	1179.1
12-734	Inorganic	GELC	CAMO-12-2229	02/07/12	R-61 S1	1125	1135
12-734	Inorganic	GELC	CAMO-12-2230	02/07/12	R-61 S1	1125	1135
12-734	Organic	GELC	CAMO-12-2229	02/07/12	R-61 S1	1125	1135
12-734	Organic	GELC	CAMO-12-2233	02/07/12	R-61 S1	1125	1135
12-735	Inorganic	GELC	CAMO-12-2229	02/07/12	R-61 S1	1125	1135

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Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
12-735	Inorganic	GELC	CAMO-12-2230	02/07/12	R-61 S1	1125	1135
12-735	Rad	GELC	CAMO-12-2229	02/07/12	R-61 S1	1125	1135
12-736	Rad	ARSL	CAMO-12-2229	02/07/12	R-61 S1	1125	1135
12-737	Organic	STSL <sup>d</sup>	CAMO-12-2229	02/07/12	R-61 S1	1125	1135
12-744	Inorganic	GELC	CAMO-12-2231	02/08/12	R-61 S2	1220.4	1241
12-744	Inorganic	GELC	CAMO-12-2232	02/08/12	R-61 S2	1220.4	1241
12-744	Organic	GELC	CAMO-12-2232	02/08/12	R-61 S2	1220.4	1241
12-744	Organic	GELC	CAMO-12-2234	02/08/12	R-61 S2	1220.4	1241
12-745	Inorganic	GELC	CAMO-12-2231	02/08/12	R-61 S2	1220.4	1241
12-745	Inorganic	GELC	CAMO-12-2232	02/08/12	R-61 S2	1220.4	1241
12-745	Rad	GELC	CAMO-12-2232	02/08/12	R-61 S2	1220.4	1241
12-746	Rad	ARSL	CAMO-12-2232	02/08/12	R-61 S2	1220.4	1241
12-747	Organic	GELC	CAMO-12-2232	02/08/12	R-61 S2	1220.4	1241

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

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

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

<sup>d</sup> STSL = Severn Trent Laboratories, Inc., St. Louis, MO.