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Periodic Monitoring Report for Chromium Investigation Monitoring Group, Second Quarter, Monitoring Year 2016

Los Alamos
NATIONAL LABORATORY
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Prepared by the Associate Directorate for Environmental Management

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EP2016-0090

Periodic Monitoring Report for Chromium Investigation Monitoring Group, Second Quarter, Monitoring Year 2016

August 2016

Responsible project manager:

Printed Name	Signature	Title	Organization	Date
Steve Paris		Project Manager	Environmental Remediation Program	8-17-2016

Responsible LANS representative:

Printed Name	Signature	Title	Organization	Date
Randall Erickson		Associate Director	Associate Directorate for Environmental Management	8/19/16

Responsible DOE-EM-LA representative:

Printed Name	Signature	Title	Organization	Date
David S. Rhodes		Office Director	Quality and Regulatory Compliance	8-24-2016

EXECUTIVE SUMMARY

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

The PME documented in this report occurred from February 2 to February 19, 2016, and included the monitoring of groundwater wells and well screens. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of a PME are also included in this report.

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

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

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

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Acronyms and Abbreviations

amsl	above mean sea level
AOC	area of concern
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CFR	Code of Federal Regulations (U.S.)
Consent Order	Compliance Order on Consent
DCS	Derived Concentration Technical Standard (DOE)
DOE	Department of Energy (U.S.)
EIM	Environmental Information Management (Database)
EPA	Environmental Protection Agency (U.S.)
ESH	Environment, Safety, and Health (Directorate)
F	filtered
gpm	gallons per minute
HE	high explosives
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDA	material disposal area
MDL	method detection limit
N	no (best value flag code)
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NM HH OO	Human health organism only, New Mexico surface-water standards
NMWQCC	New Mexico Water Quality Control Commission
PME	periodic monitoring event
PMR	periodic monitoring report
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RLWTF	Radioactive Liquid Waste Treatment Facility
SIM	selected ion monitoring
SOP	standard operating procedure
SVOC	semivolatile organic compound

SWMU	solid waste management unit
TA	technical area
TDS	total dissolved solids
TNT	2,4,6-trinitrotoluene
UF	unfiltered
VOC	volatile organic compound
Y	yes (best value flag code)

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of monitoring year 2016, 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 2016 Monitoring Year, October 2015–September 2016 (2016 IFGMP) (LANL 2015, 600467), which was prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from February 2 to February 19, 2016, and included sampling of groundwater wells and well screens.

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

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

This report presents the following information:

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

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

1.1 Background

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

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

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

Mortandad Canyon is an east-to-southeast trending canyon that heads on the Pajarito Plateau near the main Laboratory complex at TA-03 at an elevation of 7380 ft. The drainage extends about 9.6 mi from its headwaters to its confluence with the Rio Grande at an elevation of 5440 ft. The canyon crosses San Ildefonso Pueblo land for several miles before joining the Rio Grande (LANL 1997, 056835). The Mortandad Canyon watershed is located in the central portion of the Laboratory and covers approximately 10 mi^2. The Mortandad Canyon watershed contains several tributary canyons that have received contaminants released during Laboratory operations, including Ten Site Canyon, Pratt Canyon, Effluent Canyon, and Cañada del Buey. TAs located in the Mortandad Canyon watershed include TA-03, TA-05, TA-35, TA-48, TA-50, TA-52, TA-55, TA-60, TA-63, former TA-04, and former TA-42. A total of 257 SWMUs and AOCs are located within the portions of these TAs in the Mortandad Canyon watershed.

Chromium concentrations exceed the NMWQCC groundwater standard of 50 µg/L in Mortandad Canyon regional aquifer wells R-28, R-42, R-43, R-50, and R-62. The primary source of chromium is chromated water discharged from the TA-03 power plant cooling tower that occurred from 1956 to 1972. Perchlorate exceeds the Consent Order screening level of 4 µg/L in regional aquifer well R-15. The primary source of perchlorate is effluent discharged from the TA-50 RLWTF. Other constituents detected above background in wells in the monitoring group include nitrate and tritium. A conceptual model for the sources and distribution of these contaminants is presented in the Investigation Report for Sandia Canyon (LANL 2009, 107453) and the Phase II Investigation Report for Sandia Canyon (LANL 2012, 228624).

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

2.0 SCOPE OF ACTIVITIES

The PME for the Chromium Investigation monitoring group was conducted pursuant to the 2016 IFGMP (LANL 2015, 600467).

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

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the PME are documented in the 2016 IFGMP (LANL 2015, 600467).

3.2 Field Parameter Results

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

3.3 Groundwater Elevations

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

3.4 Deviations from Planned Scope

As shown in Table 3.4-1, there was one deviation from the planned scope for the current PME. Additional information regarding this deviation is presented below.

The low-level tritium result of 0.932 pCi/L (qualified as nondetect) reported by the analytical laboratory for the groundwater sample collected from SIMR-2 on February 18, 2016, was intentionally changed to 3.932 pCi/L (nondetect qualification not changed) on March 21, 2016, while testing a database auto-validation tool. Following successful completion of the test, the low-level tritium value was not immediately changed back to the original (correct) value before it was uploaded into the Laboratory's Environmental Information Management (EIM) database. The value was later corrected in the database on July 14, 2016.

A draft of this PMR that inadvertently included the incorrect low-level tritium test value was emailed to the Pueblo de San Ildefonso for review on June 22, 2016. The Pueblo de San Ildefonso reviewed the draft PMR and provided concurrence without comments on July 7, 2016. The incorrect low-level tritium value (3.932 pCi/L) for SIMR-2 was included in Table C-2 (p. C-87) of the draft PMR. This final PMR for the Chromium Investigation monitoring group includes the original and properly validated low-level tritium value reported by the analytical laboratory for the groundwater sample collected from SIMR-2 on February 18, 2016. Other than the correction made to Table C-2 (i.e., 3.932 pCi/L changed to 0.932 pCi/L) and the deviation text added to this section, no other changes to this final PMR were required or made.

Table 3.4-2 presents a list of analytes with method detection limits (MDLs) greater than screening levels. Some of the analytes were measured using more than one analytical method, leading to a range of MDLs. For some of these analytes, the MDL is much lower than for earlier analyses. Table 3.4-3 presents a list of analytes with MDLs below screening levels. The tables apply to the results with the lowest MDL, so the analytical method and analytical laboratory are included in the tables for reference.

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PME are documented in the 2016 IFGMP (LANL 2015, 600467). Purge water is managed and characterized in accordance with the waste characterization strategy form associated with the well and ENV-RCRA-QP-010, Land Application of Groundwater. ENV-RCRA-QP-010 implements the NMED-approved Decision Tree for land application of drilling, development, rehabilitation, and purge water.

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

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

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

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

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

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

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

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

4.2 Analytical Data

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

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

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

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

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

- The base-flow monitoring locations are assigned to one of two screening categories—perennial or ephemeral. Along with a hardness value, this category determines the screening levels used for data at each monitoring location. Hardness-dependent screening levels used to screen data at each base-flow monitoring location are determined using the geometric mean of hardness data (mg/L as calcium carbonate) collected from 2006 to 2010 at each location. Hardness-dependent acute and chronic criteria were used for total aluminum and dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc in accordance with the requirements of 20 New Mexico Administrative Code (NMAC) 6.4.900.
- Surface-water and groundwater perchlorate data are compared with the screening level of 4 µg/L established in Section VIII.A.1.a of the Consent Order.
- Other groundwater data are screened to groundwater cleanup levels described in Section VIII.A.1 of the Consent Order; for an individual substance, the lower of the EPA MCL or the NMWQCC groundwater standard is used.

- If an NMWQCC standard or an MCL has not been established for a specific substance for which toxicological information is published, the EPA regional screening levels for tap water are used as the groundwater cleanup level. These screening levels are for either a cancer- or noncancer-risk type. For the cancer-risk type, the Consent Order specifies screening at a 10^{-5} excess cancer risk. The EPA screening levels are for 10^{-6} excess cancer risk, so 10 times the EPA 10^{-6} screening levels are used for screening. This report was prepared using the November 2015 EPA regional screening levels.
- The NMWQCC groundwater standards apply to the dissolved (filtered) portion of specified contaminants; however, the standards for mercury, organic compounds, and nonaqueous-phase liquids apply to the total unfiltered concentrations of the contaminants. EPA MCLs are applied to both filtered and unfiltered sample results.
- The analytical results for radionuclides and radioactivity are voluntarily compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Technical Standards (DCSs) for groundwater but are not reported in Table 4.2-2 or Appendix D.

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

Table 4.2-2 provides groundwater analytical results (by hydrogeologic zone for a specific analytical suite) that are above screening levels. Multiple detections are included in the table except for field duplicate exceedances. For example, if aluminum was detected above a screening level in both a primary sample and a field duplicate, only the primary sample result is shown. If aluminum was detected above a screening level in two primary samples, both results are shown.

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

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

4.2.1 Surface Water (Base Flow)

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

4.2.2 Groundwater

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

Intermediate Monitoring Wells

For the current PME, the filtered perchlorate concentrations for intermediate groundwater wells MCOI-5 and MCOI-6 were 99.4 µg/L and 69.1 µg/L, respectively, above the Consent Order screening level of 4 µg/L. Perchlorate results for MCOI-5 since 2007 range between 68.7 µg/L and 105 µg/L. At MCOI-6, perchlorate concentrations since 2007 range between 56.3 µg/L and 190 µg/L.

In MCOI-6, the filtered chromium concentration of 78.8 µg/L was above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for MCOI-6 have increased from 29.4 µg/L to a maximum of 81.3 µg/L since 2007.

The filtered chromium result of 355 µg/L at intermediate well SCI-2 was above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations observed at SCI-2 since October 2008 have generally decreased from 658 µg/L.

Regional Monitoring Wells

The filtered perchlorate concentration in regional well R-15 was 8.67 µg/L, above the Consent Order screening level of 4 µg/L. Previous perchlorate values for R-15 measured by the liquid chromatography/mass spectrometry method since 2003 range from 4.6 µg/L to 9.05 µg/L, though many are estimated values (J-qualified).

In regional well R-28, the filtered chromium concentration was 404 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for R-28 since 2005 range from 310 µg/L to 472 µg/L.

In regional well R-42, the filtered chromium concentration was 836 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for R-42 since 2008 range from 744 µg/L to 1240 µg/L.

At regional aquifer well R-43 S1 (screen 1), the filtered chromium concentration was 153 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for R-43 S1 have risen steadily from the first nondetect results in late 2008 to the recent maximum of 153 µg/L.

The filtered chromium concentration from regional aquifer well R-50 S1 was 139 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for R-50 S1 since 2010 range from 49.8 µg/L to the recent maximum of 139 µg/L.

The filtered chromium concentration from regional aquifer well R-62 was 183 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations for R-62 since 2012 range from 104 µg/L to 240 µg/L.

4.3 Sampling Program Modifications

In its December 15, 2011, Approval, Extension Request to Submit the Phase II Investigation Report for Sandia Canyon (NMED 2011, 208852), NMED stated that R-61 was affected by impacts from drilling and well construction, and groundwater data from this well may not be representative of aquifer conditions. With the exception of the first sampling round from R-61, data showed elevated concentrations of dissolved iron and manganese and low concentrations of chromium, indicating reducing conditions in the vicinity of both well screens.

R-61 was redeveloped in October 2012. Following redevelopment, samples collected from screen 1 showed mitigated reducing conditions and more representative geochemistry. However, samples from screen 2 continued to show elevated concentrations of dissolved iron and manganese, indicating persistent reducing conditions in the vicinity of this screen. Sampling of R-61 S2 was discontinued for quarters 3 and 4 of monitoring year 2014 because of the continued reducing conditions at this screen.

In June 2014, the Laboratory provided a report, Evaluation of Regional Well R-61 (LANL 2014, 257586), to NMED that included an extensive review of post-redevelopment data from R-61 S1 to assess whether data from this screen are representative and sufficient to support ongoing monitoring for the Chromium Investigation monitoring group. The report recommended that R-61 S1 be retained in the monitoring network as a single-screen well, with an extended sample purging protocol to improve representativeness of samples. NMED responded to the Laboratory's R-61 report in December 2014 (NMED 2014, 600065), stating that groundwater samples collected at R-61 for contaminant monitoring and detection do not meet requirements included in the March 2005 Consent Order. NMED required that the Laboratory submit a well-replacement drilling work plan for R-61 by February 2, 2015. The Drilling Work Plan for Regional Aquifer Well R-61r was submitted by the Laboratory on February 2, 2015 (LANL 2015, 600175), and an approval with modification was received from NMED on April 1, 2015 (NMED 2015, 600334).

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

5.0 SUMMARY AND INTERPRETATIONS

5.1 Monitoring Results

The field parameter monitoring results are presented in Appendix A.

5.2 Analytical Results

5.2.1 Surface Water (Base Flow)

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

5.2.2 Groundwater

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

For results above screening levels, the types of contaminants detected and their concentrations are consistent with data reported from previous PMEs in this monitoring group, with two exceptions. The filtered chromium concentrations detected at R-43 S1 and R-50 S1 are the highest observed to date for each of these monitoring wells.

5.3 Data Gaps

There were no field deviations encountered during the PME (Table 3.4-1).

5.4 Remediation System Monitoring

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

6.0 REFERENCES

The following list includes all documents cited in this report. Parenthetical information following each reference provides the author(s), publication date, and ER ID or ESH ID. This information is also included in text citations. ER IDs were assigned by the Environmental Programs Directorate's Records Processing Facility (IDs through 599999), and ESH IDs are assigned by the Environment, Safety, and Health (ESH) Directorate (IDs 600000 and above). IDs are used to locate documents in the Laboratory's Electronic Document Management System and, where applicable, in the master reference set.

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

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

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

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

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

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

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

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

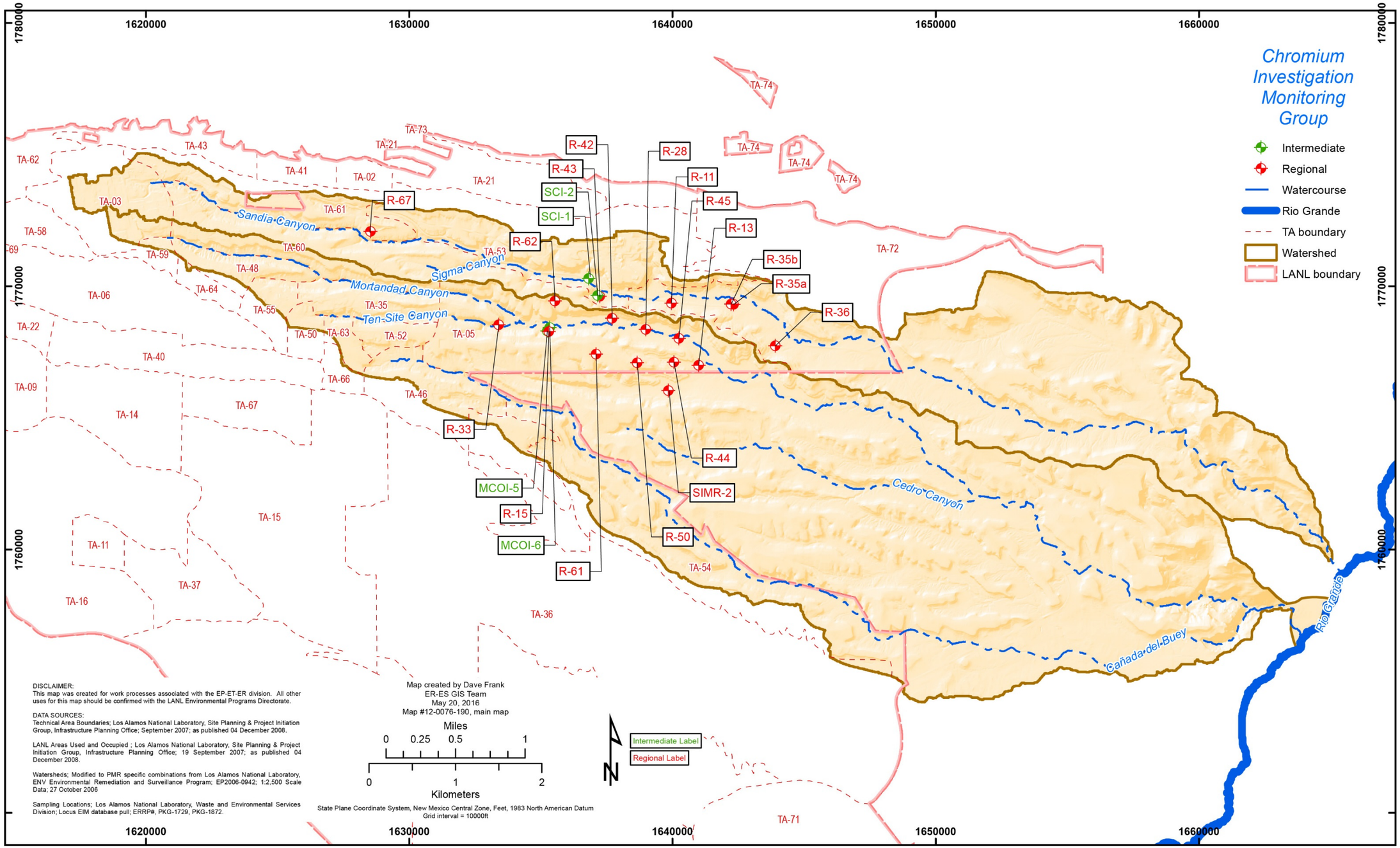


Figure 2.0-1 Locations scheduled to be monitored for this PME (see Table 2.0-1)

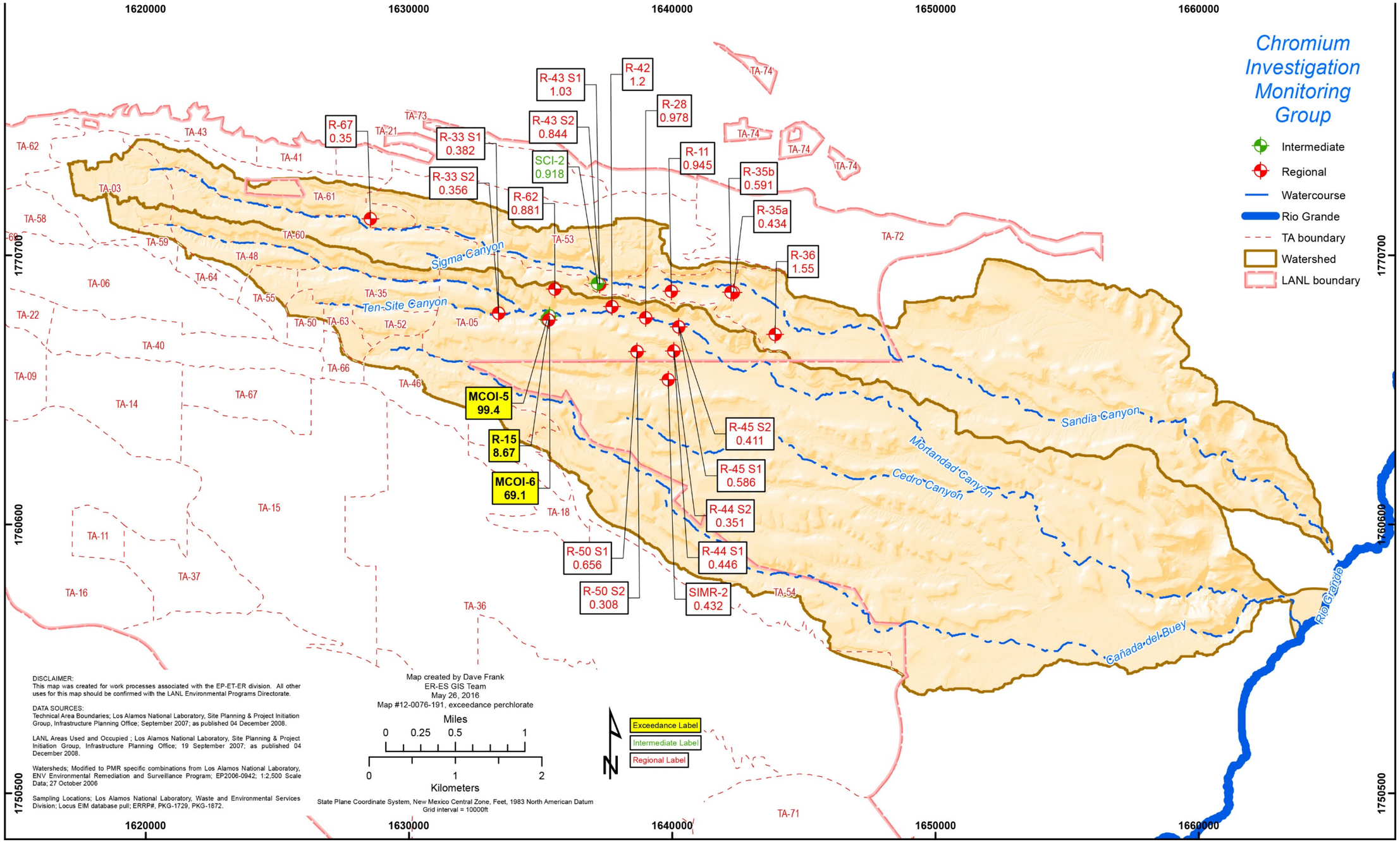


Figure 4.2-1 Monitoring group filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L.

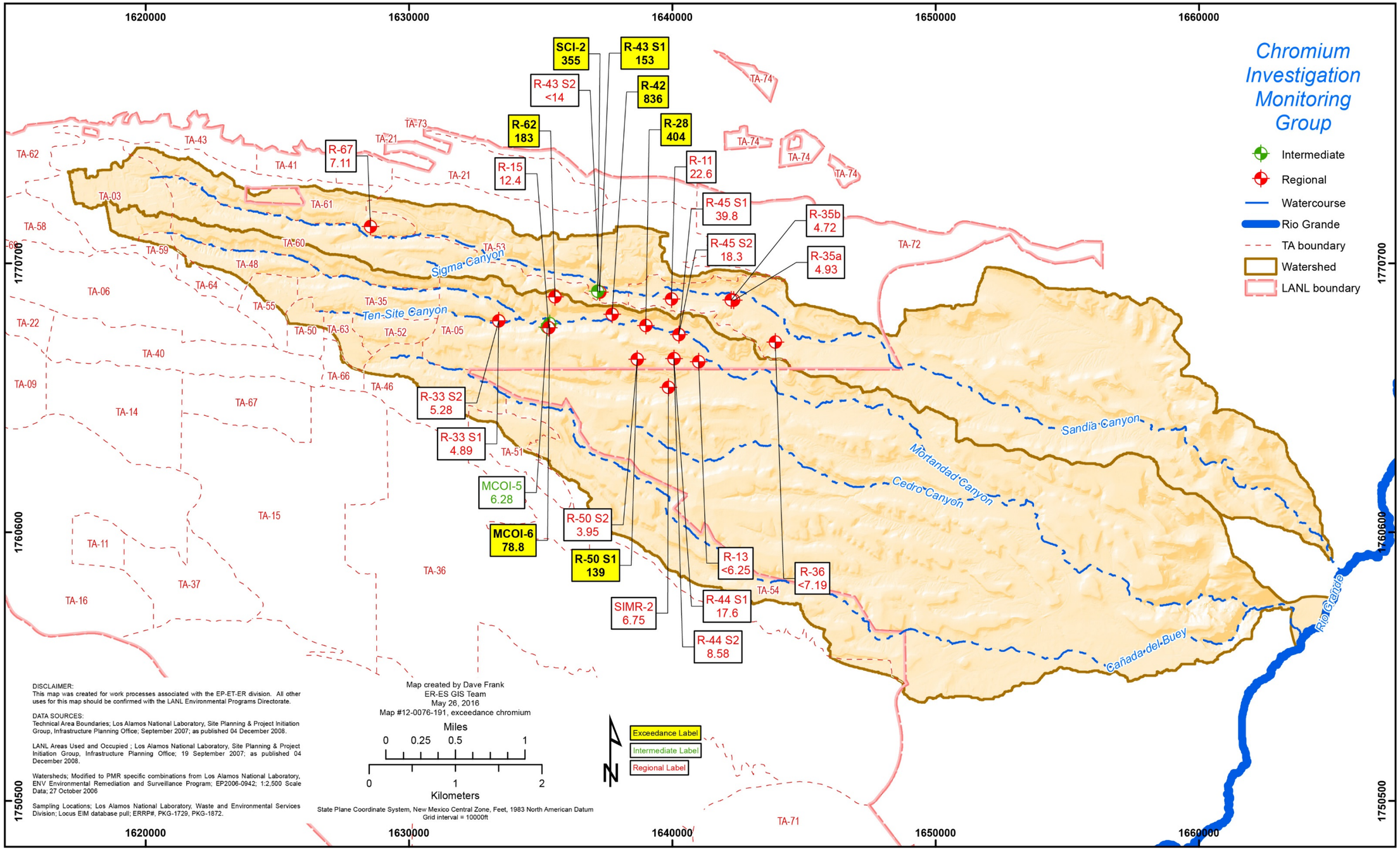


Figure 4.2-2 Monitoring group filtered chromium concentrations in µg/L. The NMWQCC groundwater standard screening level is 50 µg/L.

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*)
Intermediate							
MCOI-5	02/05/16	10	689.04	699	10.96	11.33	0.53
MCOI-6	02/08/16	22.3	686	708.3	42.42	127.68	1.52
SCI-1	02/12/16	19.5	358.4	377.9	4.5	5.3	0.35
SCI-2	02/11/16	20	548	568	5.23	23.6	0.84
Regional							
R-11	02/08/16	22.9	855	877.9	50.8	154.5	3.09
R-13	02/17/16	60.4	958.3	1018.7	155.57	469.78	5.66
R-15	02/04/16	61.7	958.6	1020.3	57.3	211.2	8.8
R-28	02/11/16	23.8	934.3	958.1	70.93	213.36	2.54
R-33 S1	02/05/16	23	995.5	1018.5	73.5	220.8	3.2
R-33 S2	02/05/16	9.9	1112.4	1122.3	40.4	123	3
R-35a	02/02/16	49.1	1013.1	1062.2	241.1	725.7	4.1
R-35b	02/02/16	23.1	825.4	848.5	66.63	199.98	3.03
R-36	02/08/16	23	766.9	789.9	41.9	127.7	3.45
R-42	02/04/16	21.1	931.8	952.9	51	153.6	3.2
R-43 S1	02/16/16	20.7	903.9	924.6	65.14	196.85	1.55
R-43 S2	02/16/16	10	969.1	979.1	25.5	77.74	1.69
R-44 S1	02/09/16	10	895	905	55.2	165.6	3.45
R-44 S2	02/09/16	9.9	985.3	995.2	76.4	231.2	3.45
R-45 S1	02/10/16	10	880	890	51.15	155.32	3.53
R-45 S2	02/10/16	20	974.9	994.9	91.8	278.9	3.53
R-50 S1	02/16/16	10	1077	1087	49.3	148.4	2.65
R-50 S2	02/09/16	20.6	1185	1205.6	96.5	291.2	2.24
R-61 S1	02/03/16	10	1125	1135	59.2	534	2
R-62	02/19/16	20.7	1158.4	1179.1	45	136.7	1.73
R-67	02/03/16	20.4	1242.6	1263.0	47.16	144	1.76
SIMR-2	02/18/16	20.4	885	905.4	60.3	183	3.66

*gpm = Gallons per minute.

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

Location	Deviation	Cause	Comment
SIMR-2	A draft PMR for the Chromium Investigation monitoring group (monitoring year 2016, second quarter) was prepared with an incorrect low-level tritium value for the groundwater sample collected from SIMR-2 on 02/18/16. The draft PMR was submitted to the Pueblo de San Ildefonso for review.	The low-level tritium value for SIMR-2 was intentionally changed during the data validation phase for the purpose of testing an EIM auto-validation tool. The draft PMR was prepared before the low-level tritium value was changed back to the correct value in the EIM database.	The database has been corrected to include the correct low-level tritium value for the groundwater sample collected from SIMR-2 on 02/18/16.

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

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
Semivolatile Organic Compounds						
Azobenzene	1.5	SW-846:8270D	1.2	µg/L	EPA TAP SCRN LVL[a]	GELC[b]
Benzidine	0.83–1.95	SW-846:8270DGCMS_SIM, SW-846:8270D	0.0011	µg/L	EPA TAP SCRN LVL	GELC
Benzo(a)anthracene	0.15	SW-846:8270D	0.12	µg/L	EPA TAP SCRN LVL	GELC
Bis(2-chloroethyl)ether	1.5	SW-846:8270D	0.14	µg/L	EPA TAP SCRN LVL	GELC
Dibenz(a,h)anthracene	0.15	SW-846:8270D	0.034	µg/L	EPA TAP SCRN LVL	GELC
Dichlorobenzidine[3,3'-]	1.5	SW-846:8270D	1.3	µg/L	EPA TAP SCRN LVL	GELC
Hexachlorobenzene	1.5	SW-846:8270D	1	µg/L	EPA MCL	GELC
Nitrosodiethylamine[N-]	0.03–1.5	SW-846:8270DGCMS_SIM, SW-846:8270D	0.0017	µg/L	EPA TAP SCRN LVL	GELC
Nitrosodimethylamine[N-]	0.07–1.5	SW-846:8270DGCMS_SIM, SW-846:8270D	0.0011	µg/L	EPA TAP SCRN LVL	GELC
Nitroso-di-n-butylamine[N-]	0.03–1.5	SW-846:8270DGCMS_SIM, SW-846:8270D	0.027	µg/L	EPA TAP SCRN LVL	GELC
Nitroso-di-n-propylamine[N-]	1.5	SW-846:8270D	0.11	µg/L	EPA TAP SCRN LVL	GELC
Nitrosopyrrolidine[N-]	1.5	SW-846:8270D	0.37	µg/L	EPA TAP SCRN LVL	GELC
Pentachlorophenol	1.5	SW-846:8270D	1	µg/L	EPA MCL	GELC
Volatile Organic Compounds						
Acrolein	0.5–1.5	SW-846:8260B_SIM, SW-846:8260B	0.042	µg/L	EPA TAP SCRN LVL	GELC
Acrylonitrile	1	SW-846:8260B	0.52	µg/L	EPA TAP SCRN LVL	GELC
Chloro-1,3-butadiene[2-]	0.2	SW-846:8260B	0.19	µg/L	EPA TAP SCRN LVL	GELC
Trichloropropane[1,2,3-]	0.0197–0.3	SW-846:8011, SW-846:8260B	0.0075	µg/L	EPA TAP SCRN LVL	GELC

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

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

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

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

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
Herbicides						
Pentachlorophenol	0.085	SW-846:8151A	1	µg/L	EPA MCL	GELC[a]
Pesticides and PCBs						
Hexachlorobenzene	0.00644	SW-846:8081B	1	µg/L	EPA MCL	GELC
Semivolatile Organic Compounds						
Atrazine	1.5	SW-846:8270D	3	µg/L	EPA MCL	GELC
Benzo(a)anthracene	0.03	SW-846:8270DGCMS_SIM	0.12	µg/L	EPA TAP SCRN LVL[b]	GELC
Benzo(a)pyrene	0.03–0.15	SW-846:8270D, SW-846:8270DGCMS_SIM	0.2	µg/L	EPA MCL	GELC
Benzo(b)fluoranthene	0.03–0.15	SW-846:8270D, SW-846:8270DGCMS_SIM	0.34	µg/L	EPA TAP SCRN LVL	GELC
Bis(2-chloroethyl)ether	0.03	SW-846:8270DGCMS_SIM	0.14	µg/L	EPA TAP SCRN LVL	GELC
Dibenz(a,h)anthracene	0.03	SW-846:8270DGCMS_SIM	0.034	µg/L	EPA TAP SCRN LVL	GELC
Dichlorobenzidine[3,3'-]	0.039	SW-846:8270DGCMS_SIM	1.3	µg/L	EPA TAP SCRN LVL	GELC
Dinitro-2-methylphenol[4,6-]	1.5	SW-846:8270D	1.5	µg/L	EPA TAP SCRN LVL	GELC
Indeno(1,2,3-cd)pyrene	0.03–0.15	SW-846:8270D, SW-846:8270DGCMS_SIM	0.34	µg/L	EPA TAP SCRN LVL	GELC
Nitroso-di-n-propylamine[N-]	0.03	SW-846:8270DGCMS_SIM	0.11	µg/L	EPA TAP SCRN LVL	GELC
Nitrosopyrrolidine[N-]	0.03	SW-846:8270DGCMS_SIM	0.37	µg/L	EPA TAP SCRN LVL	GELC
Oxybis(1-chloropropane)[2,2'-]	1.5	SW-846:8270D	710	µg/L	EPA TAP SCRN LVL	GELC
Volatile Organic Compounds						
Acrylonitrile	0.5	SW-846:8260B_SIM	0.52	µg/L	EPA TAP SCRN LVL	GELC
Chloro-1,3-butadiene[2-]	0.1	SW-846:8260B_SIM	0.19	µg/L	EPA TAP SCRN LVL	GELC
Dibromo-3-chloropropane[1,2-]	0.00932	SW-846:8011	0.2	µg/L	EPA MCL	GELC
Dibromoethane[1,2-]	0.00932	SW-846:8011	0.05	µg/L	EPA MCL	GELC
Methacrylonitrile	1	SW-846:8260B	1.9	µg/L	EPA TAP SCRN LVL	GELC

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

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

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

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

Standard Source	Standard Type	Groundwater	Surface Water
DOE Order 458.1	DOE BCG	n/a[a]	X[b]
DOE Order 458.1	DOE 100-mrem Public Dose DCS	X	n/a
DOE Order 458.1	DOE 4-mrem Drinking Water DCS	X	n/a
40 CFR[c] 141	EPA MCL	X	n/a
EPA Regional Screening Levels[d]	EPA Regional Screening Levels for Tap Water	X	n/a
Consent Order	Screening Level for Perchlorate in Groundwater	X	n/a
20 NMAC 6.2.3103	NMWQCC Groundwater Standard	X	n/a
20 NMAC 6.4.900.C	NMWQCC Irrigation Standard	n/a	X
20 NMAC 6.4.900.F	NMWQCC Livestock Watering Standard	n/a	X
20 NMAC 6.4.900.G	NMWQCC Wildlife Habitat Standard	n/a	X
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Standards Acute	n/a	X[e,f]
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Standards Chronic	n/a	X[e,f]
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Human Health Standard	n/a	X

[a] n/a = Not applicable.

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

[c] CFR = Code of Federal Regulations.

[d] Available at http://www.epa.gov/risk/risk-based-screening-table-generic-tables.

[e] Hardness-based standards for total recoverable aluminum and dissolved chromium(III) conservatively compared with results for total aluminum and dissolved chromium, respectively.

[f] Standard for dissolved chromium(VI) conservatively compared with results for dissolved chromium.

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

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Intermediate Groundwater							
MCOI-5	02/05/16	Perchlorate	F[a]	99.4	µg/L	4	Consent Order
MCOI-6	02/08/16	Perchlorate	F	69.1	µg/L	4	Consent Order
MCOI-6	02/08/16	Chromium	F	78.8	µg/L	50	NMWQCC GW STD[b]
SCI-2	02/11/16	Chromium	F	355	µg/L	50	NMWQCC GW STD
Regional Groundwater							
R-15	02/04/16	Perchlorate	F	8.67	µg/L	4	Consent Order
R-28	02/11/16	Chromium	F	404	µg/L	50	NMWQCC GW STD
R-42	02/04/16	Chromium	F	836	µg/L	50	NMWQCC GW STD
R-43 S1	02/16/16	Chromium	F	153	µg/L	50	NMWQCC GW STD
R-50 S1	02/16/16	Chromium	F	139	µg/L	50	NMWQCC GW STD
R-62	02/19/16	Chromium	F	183	µg/L	50	NMWQCC GW STD

[a] F = Filtered.

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

Appendix A

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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-5	689.04	02/05/16	WG[a]	Dissolved Oxygen	6.7	mg/L	CAMO-16-110015
MCOI-5	689.04	11/16/15	WG	Dissolved Oxygen	6.7	mg/L	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Dissolved Oxygen	6.36	mg/L	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	Dissolved Oxygen	6.06	mg/L	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	Dissolved Oxygen	6.54	mg/L	CAMO-15-92477
MCOI-5	689.04	02/05/16	WG	Flow (in gpm[b])	0.53	gpm	CAMO-16-110015
MCOI-5	689.04	11/16/15	WG	Flow (in gpm)	0.48	gpm	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Flow (in gpm)	0.43	gpm	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	Flow (in gpm)	0.45	gpm	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	Flow (in gpm)	0.4	gpm	CAMO-15-92477
MCOI-5	689.04	02/05/16	WG	Oxidation-Reduction Potential	137.8	mV	CAMO-16-110015
MCOI-5	689.04	11/16/15	WG	Oxidation-Reduction Potential	68.6	mV	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Oxidation-Reduction Potential	151.3	mV	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	Oxidation-Reduction Potential	166.3	mV	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	Oxidation-Reduction Potential	181.1	mV	CAMO-15-92477
MCOI-5	689.04	02/05/16	WG	pH	8.51	SU[c]	CAMO-16-110015
MCOI-5	689.04	11/16/15	WG	pH	8.35	SU	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	pH	8.63	SU	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	pH	8.49	SU	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	pH	8.58	SU	CAMO-15-92477
MCOI-5	689.04	02/05/16	WG	Specific Conductance	218	µS/cm	CAMO-16-110015
MCOI-5	689.04	11/16/15	WG	Specific Conductance	219	µS/cm	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Specific Conductance	216	µS/cm	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	Specific Conductance	215	µS/cm	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	Specific Conductance	208	µS/cm	CAMO-15-92477
MCOI-5	689.04	02/05/16	WG	Temperature	11.54	deg C	CAMO-16-110015
MCOI-5	689.04	11/16/15	WG	Temperature	13.22	deg C	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Temperature	15.24	deg C	CAMO-15-102572

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-5	689.04	05/13/15	WG	Temperature	14.22	deg C	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	Temperature	13.39	deg C	CAMO-15-92477
MCOI-5	689.04	02/05/16	WG	Turbidity	1.6	NTU[d]	CAMO-16-110015
MCOI-5	689.04	11/16/15	WG	Turbidity	0.64	NTU	CAMO-16-106094
MCOI-5	689.04	08/14/15	WG	Turbidity	1.9	NTU	CAMO-15-102572
MCOI-5	689.04	05/13/15	WG	Turbidity	1.4	NTU	CAMO-15-95772
MCOI-5	689.04	02/20/15	WG	Turbidity	0.74	NTU	CAMO-15-92477
MCOI-6	686	02/08/16	WG	Dissolved Oxygen	7.2	mg/L	CAMO-16-110016
MCOI-6	686	11/06/15	WG	Dissolved Oxygen	7.31	mg/L	CAMO-16-106095
MCOI-6	686	08/04/15	WG	Dissolved Oxygen	7.07	mg/L	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Dissolved Oxygen	7.06	mg/L	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Dissolved Oxygen	6.81	mg/L	CAMO-15-92478
MCOI-6	686	02/08/16	WG	Flow (in gpm)	1.52	gpm	CAMO-16-110016
MCOI-6	686	11/06/15	WG	Flow (in gpm)	1.55	gpm	CAMO-16-106095
MCOI-6	686	08/04/15	WG	Flow (in gpm)	1.5	gpm	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Flow (in gpm)	1.6	gpm	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Flow (in gpm)	1.43	gpm	CAMO-15-92478
MCOI-6	686	02/08/16	WG	Oxidation-Reduction Potential	155	mV	CAMO-16-110016
MCOI-6	686	11/06/15	WG	Oxidation-Reduction Potential	196.1	mV	CAMO-16-106095
MCOI-6	686	08/04/15	WG	Oxidation-Reduction Potential	122	mV	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Oxidation-Reduction Potential	141.9	mV	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Oxidation-Reduction Potential	103.4	mV	CAMO-15-92478
MCOI-6	686	02/08/16	WG	pH	7.05	SU	CAMO-16-110016
MCOI-6	686	11/06/15	WG	pH	7.3	SU	CAMO-16-106095
MCOI-6	686	08/04/15	WG	pH	6.98	SU	CAMO-15-102573
MCOI-6	686	05/05/15	WG	pH	7.11	SU	CAMO-15-95773
MCOI-6	686	02/26/15	WG	pH	7.04	SU	CAMO-15-92478
MCOI-6	686	02/08/16	WG	Specific Conductance	572	µS/cm	CAMO-16-110016

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	11/06/15	WG	Specific Conductance	566	µS/cm	CAMO-16-106095
MCOI-6	686	08/04/15	WG	Specific Conductance	642	µS/cm	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Specific Conductance	577	µS/cm	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Specific Conductance	567	µS/cm	CAMO-15-92478
MCOI-6	686	02/08/16	WG	Temperature	14.86	deg C	CAMO-16-110016
MCOI-6	686	11/06/15	WG	Temperature	15.84	deg C	CAMO-16-106095
MCOI-6	686	08/04/15	WG	Temperature	16.27	deg C	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Temperature	14.65	deg C	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Temperature	17.54	deg C	CAMO-15-92478
MCOI-6	686	02/08/16	WG	Turbidity	0.9	NTU	CAMO-16-110016
MCOI-6	686	11/06/15	WG	Turbidity	0.7	NTU	CAMO-16-106095
MCOI-6	686	08/04/15	WG	Turbidity	0.9	NTU	CAMO-15-102573
MCOI-6	686	05/05/15	WG	Turbidity	0.1	NTU	CAMO-15-95773
MCOI-6	686	02/26/15	WG	Turbidity	1.3	NTU	CAMO-15-92478
R-11	855	02/08/16	WG	Dissolved Oxygen	7.32	mg/L	CASA-16-110054
R-11	855	11/11/15	WG	Dissolved Oxygen	7.1	mg/L	CASA-16-106240
R-11	855	08/07/15	WG	Dissolved Oxygen	6.86	mg/L	CASA-15-102633
R-11	855	05/14/15	WG	Dissolved Oxygen	7.23	mg/L	CASA-15-95818
R-11	855	02/12/15	WG	Dissolved Oxygen	7.14	mg/L	CASA-15-92511
R-11	855	02/08/16	WG	Flow (in gpm)	3.09	gpm	CASA-16-110054
R-11	855	11/11/15	WG	Flow (in gpm)	3	gpm	CASA-16-106240
R-11	855	08/07/15	WG	Flow (in gpm)	3	gpm	CASA-15-102633
R-11	855	05/14/15	WG	Flow (in gpm)	2.9	gpm	CASA-15-95818
R-11	855	02/12/15	WG	Flow (in gpm)	3	gpm	CASA-15-92511
R-11	855	02/08/16	WG	Oxidation-Reduction Potential	163.5	mV	CASA-16-110054
R-11	855	11/11/15	WG	Oxidation-Reduction Potential	167.1	mV	CASA-16-106240
R-11	855	08/07/15	WG	Oxidation-Reduction Potential	69.7	mV	CASA-15-102633
R-11	855	05/14/15	WG	Oxidation-Reduction Potential	170.9	mV	CASA-15-95818

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-11	855	02/12/15	WG	Oxidation-Reduction Potential	184.1	mV	CASA-15-92511
R-11	855	02/08/16	WG	pH	8.05	SU	CASA-16-110054
R-11	855	11/11/15	WG	pH	8.03	SU	CASA-16-106240
R-11	855	08/07/15	WG	pH	7.9	SU	CASA-15-102633
R-11	855	05/14/15	WG	pH	8.06	SU	CASA-15-95818
R-11	855	02/12/15	WG	pH	7.97	SU	CASA-15-92511
R-11	855	02/08/16	WG	Specific Conductance	229	µS/cm	CASA-16-110054
R-11	855	11/11/15	WG	Specific Conductance	230	µS/cm	CASA-16-106240
R-11	855	08/07/15	WG	Specific Conductance	254	µS/cm	CASA-15-102633
R-11	855	05/14/15	WG	Specific Conductance	233	µS/cm	CASA-15-95818
R-11	855	02/12/15	WG	Specific Conductance	230	µS/cm	CASA-15-92511
R-11	855	02/08/16	WG	Temperature	21.22	deg C	CASA-16-110054
R-11	855	11/11/15	WG	Temperature	20.71	deg C	CASA-16-106240
R-11	855	08/07/15	WG	Temperature	21.68	deg C	CASA-15-102633
R-11	855	05/14/15	WG	Temperature	21.62	deg C	CASA-15-95818
R-11	855	02/12/15	WG	Temperature	21.24	deg C	CASA-15-92511
R-11	855	02/08/16	WG	Turbidity	0.5	NTU	CASA-16-110054
R-11	855	11/11/15	WG	Turbidity	0.2	NTU	CASA-16-106240
R-11	855	08/07/15	WG	Turbidity	0.9	NTU	CASA-15-102633
R-11	855	05/14/15	WG	Turbidity	0.74	NTU	CASA-15-95818
R-11	855	02/12/15	WG	Turbidity	0.8	NTU	CASA-15-92511
R-13	958.33	02/17/16	WG	Dissolved Oxygen	6.56	mg/L	CAMO-16-110017
R-13	958.33	11/10/15	WG	Dissolved Oxygen	6.45	mg/L	CAMO-16-106097
R-13	958.33	08/11/15	WG	Dissolved Oxygen	6.17	mg/L	CAMO-15-102574
R-13	958.33	05/14/15	WG	Dissolved Oxygen	6.3	mg/L	CAMO-15-95775
R-13	958.33	02/13/15	WG	Dissolved Oxygen	6.51	mg/L	CAMO-15-92479
R-13	958.33	02/17/16	WG	Flow (in gpm)	5.66	gpm	CAMO-16-110017
R-13	958.33	11/10/15	WG	Flow (in gpm)	5.77	gpm	CAMO-16-106097

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-13	958.33	08/11/15	WG	Flow (in gpm)	5.66	gpm	CAMO-15-102574
R-13	958.33	05/14/15	WG	Flow (in gpm)	0.89	gpm	CAMO-15-95775
R-13	958.33	02/13/15	WG	Flow (in gpm)	5	gpm	CAMO-15-92479
R-13	958.33	02/17/16	WG	Oxidation-Reduction Potential	119.1	mV	CAMO-16-110017
R-13	958.33	11/10/15	WG	Oxidation-Reduction Potential	142.9	mV	CAMO-16-106097
R-13	958.33	08/11/15	WG	Oxidation-Reduction Potential	121.8	mV	CAMO-15-102574
R-13	958.33	05/14/15	WG	Oxidation-Reduction Potential	6.3	mV	CAMO-15-95775
R-13	958.33	02/13/15	WG	Oxidation-Reduction Potential	45.5	mV	CAMO-15-92479
R-13	958.33	02/17/16	WG	pH	8.17	SU	CAMO-16-110017
R-13	958.33	11/10/15	WG	pH	8.13	SU	CAMO-16-106097
R-13	958.33	08/11/15	WG	pH	8.18	SU	CAMO-15-102574
R-13	958.33	05/14/15	WG	pH	8.24	SU	CAMO-15-95775
R-13	958.33	02/13/15	WG	pH	8.23	SU	CAMO-15-92479
R-13	958.33	02/17/16	WG	Specific Conductance	145	µS/cm	CAMO-16-110017
R-13	958.33	11/10/15	WG	Specific Conductance	144	µS/cm	CAMO-16-106097
R-13	958.33	08/11/15	WG	Specific Conductance	146	µS/cm	CAMO-15-102574
R-13	958.33	05/14/15	WG	Specific Conductance	144	µS/cm	CAMO-15-95775
R-13	958.33	02/13/15	WG	Specific Conductance	143	µS/cm	CAMO-15-92479
R-13	958.33	02/17/16	WG	Temperature	21.14	deg C	CAMO-16-110017
R-13	958.33	11/10/15	WG	Temperature	21.1	deg C	CAMO-16-106097
R-13	958.33	08/11/15	WG	Temperature	22.1	deg C	CAMO-15-102574
R-13	958.33	05/14/15	WG	Temperature	20.52	deg C	CAMO-15-95775
R-13	958.33	02/13/15	WG	Temperature	21.69	deg C	CAMO-15-92479
R-13	958.33	02/17/16	WG	Turbidity	0.34	NTU	CAMO-16-110017
R-13	958.33	11/10/15	WG	Turbidity	0.4	NTU	CAMO-16-106097
R-13	958.33	08/11/15	WG	Turbidity	1	NTU	CAMO-15-102574
R-13	958.33	05/14/15	WG	Turbidity	0.89	NTU	CAMO-15-95775
R-13	958.33	02/13/15	WG	Turbidity	0.4	NTU	CAMO-15-92479

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-15	958.6	02/04/16	WG	Dissolved Oxygen	6.93	mg/L	CAMO-16-110018
R-15	958.6	11/20/15	WG	Dissolved Oxygen	6.58	mg/L	CAMO-16-106099
R-15	958.6	08/13/15	WG	Dissolved Oxygen	7.42	mg/L	CAMO-15-102575
R-15	958.6	05/04/15	WG	Dissolved Oxygen	6.95	mg/L	CAMO-15-95777
R-15	958.6	02/13/15	WG	Dissolved Oxygen	7.06	mg/L	CAMO-15-92480
R-15	958.6	02/04/16	WG	Flow (in gpm)	8.8	gpm	CAMO-16-110018
R-15	958.6	11/20/15	WG	Flow (in gpm)	8.3	gpm	CAMO-16-106099
R-15	958.6	08/13/15	WG	Flow (in gpm)	6.38	gpm	CAMO-15-102575
R-15	958.6	05/04/15	WG	Flow (in gpm)	7.9	gpm	CAMO-15-95777
R-15	958.6	02/13/15	WG	Flow (in gpm)	7.5	gpm	CAMO-15-92480
R-15	958.6	02/04/16	WG	Oxidation-Reduction Potential	71.5	mV	CAMO-16-110018
R-15	958.6	11/20/15	WG	Oxidation-Reduction Potential	69.4	mV	CAMO-16-106099
R-15	958.6	08/13/15	WG	Oxidation-Reduction Potential	52.8	mV	CAMO-15-102575
R-15	958.6	05/04/15	WG	Oxidation-Reduction Potential	54.6	mV	CAMO-15-95777
R-15	958.6	02/13/15	WG	Oxidation-Reduction Potential	32	mV	CAMO-15-92480
R-15	958.6	02/04/16	WG	pH	8.15	SU	CAMO-16-110018
R-15	958.6	11/20/15	WG	pH	8.04	SU	CAMO-16-106099
R-15	958.6	08/13/15	WG	pH	8.05	SU	CAMO-15-102575
R-15	958.6	05/04/15	WG	pH	8.25	SU	CAMO-15-95777
R-15	958.6	02/13/15	WG	pH	8.32	SU	CAMO-15-92480
R-15	958.6	02/04/16	WG	Specific Conductance	158	µS/cm	CAMO-16-110018
R-15	958.6	11/20/15	WG	Specific Conductance	157	µS/cm	CAMO-16-106099
R-15	958.6	08/13/15	WG	Specific Conductance	167	µS/cm	CAMO-15-102575
R-15	958.6	05/04/15	WG	Specific Conductance	157	µS/cm	CAMO-15-95777
R-15	958.6	02/13/15	WG	Specific Conductance	156	µS/cm	CAMO-15-92480
R-15	958.6	02/04/16	WG	Temperature	18.79	deg C	CAMO-16-110018
R-15	958.6	11/20/15	WG	Temperature	18.1	deg C	CAMO-16-106099
R-15	958.6	08/13/15	WG	Temperature	20.53	deg C	CAMO-15-102575

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-15	958.6	05/04/15	WG	Temperature	20.31	deg C	CAMO-15-95777
R-15	958.6	02/13/15	WG	Temperature	20.2	deg C	CAMO-15-92480
R-15	958.6	02/04/16	WG	Turbidity	1.2	NTU	CAMO-16-110018
R-15	958.6	11/20/15	WG	Turbidity	2.3	NTU	CAMO-16-106099
R-15	958.6	08/13/15	WG	Turbidity	1.4	NTU	CAMO-15-102575
R-15	958.6	05/04/15	WG	Turbidity	5.3	NTU	CAMO-15-95777
R-15	958.6	02/13/15	WG	Turbidity	1.8	NTU	CAMO-15-92480
R-28	934.3	02/11/16	WG	Dissolved Oxygen	6.89	mg/L	CAMO-16-110019
R-28	934.3	11/16/15	WG	Dissolved Oxygen	6.75	mg/L	CAMO-16-106100
R-28	934.3	08/12/15	WG	Dissolved Oxygen	6.66	mg/L	CAMO-15-102579
R-28	934.3	05/11/15	WG	Dissolved Oxygen	6.62	mg/L	CAMO-15-95778
R-28	934.3	02/25/15	WG	Dissolved Oxygen	6.84	mg/L	CAMO-15-92481
R-28	934.3	02/11/16	WG	Flow (in gpm)	2.54	gpm	CAMO-16-110019
R-28	934.3	11/16/15	WG	Flow (in gpm)	2.56	gpm	CAMO-16-106100
R-28	934.3	08/12/15	WG	Flow (in gpm)	2.6	gpm	CAMO-15-102579
R-28	934.3	05/11/15	WG	Flow (in gpm)	2.54	gpm	CAMO-15-95778
R-28	934.3	02/25/15	WG	Flow (in gpm)	2.5	gpm	CAMO-15-92481
R-28	934.3	02/11/16	WG	Oxidation-Reduction Potential	211.4	mV	CAMO-16-110019
R-28	934.3	11/16/15	WG	Oxidation-Reduction Potential	119.1	mV	CAMO-16-106100
R-28	934.3	08/12/15	WG	Oxidation-Reduction Potential	105.9	mV	CAMO-15-102579
R-28	934.3	05/11/15	WG	Oxidation-Reduction Potential	229.2	mV	CAMO-15-95778
R-28	934.3	02/25/15	WG	Oxidation-Reduction Potential	118.7	mV	CAMO-15-92481
R-28	934.3	02/11/16	WG	pH	7.64	SU	CAMO-16-110019
R-28	934.3	11/16/15	WG	pH	7.59	SU	CAMO-16-106100
R-28	934.3	08/12/15	WG	pH	7.75	SU	CAMO-15-102579
R-28	934.3	05/11/15	WG	pH	7.79	SU	CAMO-15-95778
R-28	934.3	02/25/15	WG	pH	7.77	SU	CAMO-15-92481
R-28	934.3	02/11/16	WG	Specific Conductance	426	µS/cm	CAMO-16-110019

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-28	934.3	11/16/15	WG	Specific Conductance	434	µS/cm	CAMO-16-106100
R-28	934.3	08/12/15	WG	Specific Conductance	433	µS/cm	CAMO-15-102579
R-28	934.3	05/11/15	WG	Specific Conductance	422	µS/cm	CAMO-15-95778
R-28	934.3	02/25/15	WG	Specific Conductance	442	µS/cm	CAMO-15-92481
R-28	934.3	02/11/16	WG	Temperature	20.83	deg C	CAMO-16-110019
R-28	934.3	11/16/15	WG	Temperature	20.08	deg C	CAMO-16-106100
R-28	934.3	08/12/15	WG	Temperature	22.13	deg C	CAMO-15-102579
R-28	934.3	05/11/15	WG	Temperature	21.53	deg C	CAMO-15-95778
R-28	934.3	02/25/15	WG	Temperature	21.06	deg C	CAMO-15-92481
R-28	934.3	02/11/16	WG	Turbidity	0.3	NTU	CAMO-16-110019
R-28	934.3	11/16/15	WG	Turbidity	0.6	NTU	CAMO-16-106100
R-28	934.3	08/12/15	WG	Turbidity	0.4	NTU	CAMO-15-102579
R-28	934.3	05/11/15	WG	Turbidity	0.38	NTU	CAMO-15-95778
R-28	934.3	02/25/15	WG	Turbidity	1.21	NTU	CAMO-15-92481
R-33 S1	995.5	02/05/16	WG	Dissolved Oxygen	5.13	mg/L	CAMO-16-110020
R-33 S1	995.5	11/12/15	WG	Dissolved Oxygen	5.31	mg/L	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Dissolved Oxygen	5.35	mg/L	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	Dissolved Oxygen	5.23	mg/L	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	Dissolved Oxygen	5.12	mg/L	CAMO-15-92676
R-33 S1	995.5	02/05/16	WG	Flow (in gpm)	3.2	gpm	CAMO-16-110020
R-33 S1	995.5	11/12/15	WG	Flow (in gpm)	3.15	gpm	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Flow (in gpm)	0.6	gpm	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	Flow (in gpm)	2.86	gpm	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	Flow (in gpm)	3.26	gpm	CAMO-15-92676
R-33 S1	995.5	02/05/16	WG	Oxidation-Reduction Potential	109.1	mV	CAMO-16-110020
R-33 S1	995.5	11/12/15	WG	Oxidation-Reduction Potential	72.6	mV	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Oxidation-Reduction Potential	102	mV	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	Oxidation-Reduction Potential	101.2	mV	CAMO-15-95779

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-33 S1	995.5	02/26/15	WG	Oxidation-Reduction Potential	105.2	mV	CAMO-15-92676
R-33 S1	995.5	02/05/16	WG	pH	7.33	SU	CAMO-16-110020
R-33 S1	995.5	11/12/15	WG	pH	7.48	SU	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	pH	7.32	SU	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	pH	7.63	SU	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	pH	7.54	SU	CAMO-15-92676
R-33 S1	995.5	02/05/16	WG	Specific Conductance	147	µS/cm	CAMO-16-110020
R-33 S1	995.5	11/12/15	WG	Specific Conductance	146	µS/cm	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Specific Conductance	147	µS/cm	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	Specific Conductance	144	µS/cm	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	Specific Conductance	145	µS/cm	CAMO-15-92676
R-33 S1	995.5	02/05/16	WG	Temperature	18.78	deg C	CAMO-16-110020
R-33 S1	995.5	11/12/15	WG	Temperature	21.41	deg C	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Temperature	22.76	deg C	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	Temperature	18.54	deg C	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	Temperature	19.74	deg C	CAMO-15-92676
R-33 S1	995.5	02/05/16	WG	Turbidity	0.6	NTU	CAMO-16-110020
R-33 S1	995.5	11/12/15	WG	Turbidity	0.62	NTU	CAMO-16-106101
R-33 S1	995.5	08/06/15	WG	Turbidity	0.6	NTU	CAMO-15-102580
R-33 S1	995.5	05/12/15	WG	Turbidity	0.51	NTU	CAMO-15-95779
R-33 S1	995.5	02/26/15	WG	Turbidity	0.79	NTU	CAMO-15-92676
R-33 S2	1112.4	02/05/16	WG	Dissolved Oxygen	6.48	mg/L	CAMO-16-110021
R-33 S2	1112.4	11/12/15	WG	Dissolved Oxygen	6.61	mg/L	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	Dissolved Oxygen	6.55	mg/L	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Dissolved Oxygen	6.62	mg/L	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	Dissolved Oxygen	6.56	mg/L	CAMO-15-92677
R-33 S2	1112.4	02/05/16	WG	Flow (in gpm)	3	gpm	CAMO-16-110021
R-33 S2	1112.4	11/12/15	WG	Flow (in gpm)	2.9	gpm	CAMO-16-106102

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-33 S2	1112.4	08/06/15	WG	Flow (in gpm)	2.8	gpm	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Flow (in gpm)	2.86	gpm	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	Flow (in gpm)	2.8	gpm	CAMO-15-92677
R-33 S2	1112.4	02/05/16	WG	Oxidation-Reduction Potential	109.2	mV	CAMO-16-110021
R-33 S2	1112.4	11/12/15	WG	Oxidation-Reduction Potential	78.1	mV	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	Oxidation-Reduction Potential	104.2	mV	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Oxidation-Reduction Potential	139.1	mV	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	Oxidation-Reduction Potential	93.5	mV	CAMO-15-92677
R-33 S2	1112.4	02/05/16	WG	pH	7.48	SU	CAMO-16-110021
R-33 S2	1112.4	11/12/15	WG	pH	7.61	SU	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	pH	7.4	SU	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	pH	7.78	SU	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	pH	7.67	SU	CAMO-15-92677
R-33 S2	1112.4	02/05/16	WG	Specific Conductance	144	µS/cm	CAMO-16-110021
R-33 S2	1112.4	11/12/15	WG	Specific Conductance	142	µS/cm	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	Specific Conductance	144	µS/cm	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Specific Conductance	141	µS/cm	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	Specific Conductance	142	µS/cm	CAMO-15-92677
R-33 S2	1112.4	02/05/16	WG	Temperature	18.25	deg C	CAMO-16-110021
R-33 S2	1112.4	11/12/15	WG	Temperature	21.52	deg C	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	Temperature	22.38	deg C	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Temperature	21.14	deg C	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	Temperature	20.06	deg C	CAMO-15-92677
R-33 S2	1112.4	02/05/16	WG	Turbidity	1.1	NTU	CAMO-16-110021
R-33 S2	1112.4	11/12/15	WG	Turbidity	0.66	NTU	CAMO-16-106102
R-33 S2	1112.4	08/06/15	WG	Turbidity	0.7	NTU	CAMO-15-102581
R-33 S2	1112.4	05/12/15	WG	Turbidity	1.05	NTU	CAMO-15-95780
R-33 S2	1112.4	02/26/15	WG	Turbidity	0.82	NTU	CAMO-15-92677

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35a	1013.1	02/02/16	WG	Dissolved Oxygen	4.89	mg/L	CASA-16-110055
R-35a	1013.1	11/09/15	WG	Dissolved Oxygen	5.13	mg/L	CASA-16-106241
R-35a	1013.1	08/10/15	WG	Dissolved Oxygen	4.76	mg/L	CASA-15-102636
R-35a	1013.1	05/06/15	WG	Dissolved Oxygen	4.56	mg/L	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Dissolved Oxygen	4.62	mg/L	CASA-15-92512
R-35a	1013.1	02/02/16	WG	Flow (in gpm)	4.1	gpm	CASA-16-110055
R-35a	1013.1	11/09/15	WG	Flow (in gpm)	3.85	gpm	CASA-16-106241
R-35a	1013.1	08/10/15	WG	Flow (in gpm)	4	gpm	CASA-15-102636
R-35a	1013.1	05/06/15	WG	Flow (in gpm)	3.75	gpm	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Flow (in gpm)	3.9	gpm	CASA-15-92512
R-35a	1013.1	02/02/16	WG	Oxidation-Reduction Potential	135.6	mV	CASA-16-110055
R-35a	1013.1	11/09/15	WG	Oxidation-Reduction Potential	108.9	mV	CASA-16-106241
R-35a	1013.1	08/10/15	WG	Oxidation-Reduction Potential	117	mV	CASA-15-102636
R-35a	1013.1	05/06/15	WG	Oxidation-Reduction Potential	229.6	mV	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Oxidation-Reduction Potential	39	mV	CASA-15-92512
R-35a	1013.1	02/02/16	WG	pH	8.07	SU	CASA-16-110055
R-35a	1013.1	11/09/15	WG	pH	8.01	SU	CASA-16-106241
R-35a	1013.1	08/10/15	WG	pH	7.91	SU	CASA-15-102636
R-35a	1013.1	05/06/15	WG	pH	8.09	SU	CASA-15-95819
R-35a	1013.1	02/25/15	WG	pH	8.07	SU	CASA-15-92512
R-35a	1013.1	02/02/16	WG	Specific Conductance	239	µS/cm	CASA-16-110055
R-35a	1013.1	11/09/15	WG	Specific Conductance	245	µS/cm	CASA-16-106241
R-35a	1013.1	08/10/15	WG	Specific Conductance	271	µS/cm	CASA-15-102636
R-35a	1013.1	05/06/15	WG	Specific Conductance	246	µS/cm	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Specific Conductance	244	µS/cm	CASA-15-92512
R-35a	1013.1	02/02/16	WG	Temperature	21.98	deg C	CASA-16-110055
R-35a	1013.1	11/09/15	WG	Temperature	23.9	deg C	CASA-16-106241
R-35a	1013.1	08/10/15	WG	Temperature	24.95	deg C	CASA-15-102636

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35a	1013.1	05/06/15	WG	Temperature	23.9	deg C	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Temperature	24.05	deg C	CASA-15-92512
R-35a	1013.1	02/02/16	WG	Turbidity	0.6	NTU	CASA-16-110055
R-35a	1013.1	11/09/15	WG	Turbidity	0.2	NTU	CASA-16-106241
R-35a	1013.1	08/10/15	WG	Turbidity	0.5	NTU	CASA-15-102636
R-35a	1013.1	05/06/15	WG	Turbidity	0.7	NTU	CASA-15-95819
R-35a	1013.1	02/25/15	WG	Turbidity	1.08	NTU	CASA-15-92512
R-35b	825.4	02/02/16	WG	Dissolved Oxygen	6.07	mg/L	CASA-16-110056
R-35b	825.4	11/06/15	WG	Dissolved Oxygen	6.18	mg/L	CASA-16-106242
R-35b	825.4	08/04/15	WG	Dissolved Oxygen	6.11	mg/L	CASA-15-102637
R-35b	825.4	05/05/15	WG	Dissolved Oxygen	5.96	mg/L	CASA-15-95820
R-35b	825.4	02/20/15	WG	Dissolved Oxygen	6.33	mg/L	CASA-15-92513
R-35b	825.4	02/02/16	WG	Flow (in gpm)	3.03	gpm	CASA-16-110056
R-35b	825.4	11/06/15	WG	Flow (in gpm)	3.09	gpm	CASA-16-106242
R-35b	825.4	08/04/15	WG	Flow (in gpm)	2.88	gpm	CASA-15-102637
R-35b	825.4	05/05/15	WG	Flow (in gpm)	2.91	gpm	CASA-15-95820
R-35b	825.4	02/20/15	WG	Flow (in gpm)	3.16	gpm	CASA-15-92513
R-35b	825.4	02/02/16	WG	Oxidation-Reduction Potential	99.2	mV	CASA-16-110056
R-35b	825.4	11/06/15	WG	Oxidation-Reduction Potential	108.6	mV	CASA-16-106242
R-35b	825.4	08/04/15	WG	Oxidation-Reduction Potential	136.2	mV	CASA-15-102637
R-35b	825.4	05/05/15	WG	Oxidation-Reduction Potential	5.96	mV	CASA-15-95820
R-35b	825.4	02/20/15	WG	Oxidation-Reduction Potential	32.2	mV	CASA-15-92513
R-35b	825.4	02/02/16	WG	pH	7.48	SU	CASA-16-110056
R-35b	825.4	11/06/15	WG	pH	7.56	SU	CASA-16-106242
R-35b	825.4	08/04/15	WG	pH	7.62	SU	CASA-15-102637
R-35b	825.4	05/05/15	WG	pH	7.55	SU	CASA-15-95820
R-35b	825.4	02/20/15	WG	pH	7.47	SU	CASA-15-92513
R-35b	825.4	02/02/16	WG	Specific Conductance	171	µS/cm	CASA-16-110056

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35b	825.4	11/06/15	WG	Specific Conductance	172	µS/cm	CASA-16-106242
R-35b	825.4	08/04/15	WG	Specific Conductance	173	µS/cm	CASA-15-102637
R-35b	825.4	05/05/15	WG	Specific Conductance	172	µS/cm	CASA-15-95820
R-35b	825.4	02/20/15	WG	Specific Conductance	170	µS/cm	CASA-15-92513
R-35b	825.4	02/02/16	WG	Temperature	19.84	deg C	CASA-16-110056
R-35b	825.4	11/06/15	WG	Temperature	20.55	deg C	CASA-16-106242
R-35b	825.4	08/04/15	WG	Temperature	22.59	deg C	CASA-15-102637
R-35b	825.4	05/05/15	WG	Temperature	20.73	deg C	CASA-15-95820
R-35b	825.4	02/20/15	WG	Temperature	21.27	deg C	CASA-15-92513
R-35b	825.4	02/02/16	WG	Turbidity	0.3	NTU	CASA-16-110056
R-35b	825.4	11/06/15	WG	Turbidity	0.5	NTU	CASA-16-106242
R-35b	825.4	08/04/15	WG	Turbidity	0.5	NTU	CASA-15-102637
R-35b	825.4	05/05/15	WG	Turbidity	0.41	NTU	CASA-15-95820
R-35b	825.4	02/20/15	WG	Turbidity	6.2	NTU	CASA-15-92513
R-36	766.9	02/08/16	WG	Dissolved Oxygen	5.84	mg/L	CASA-16-110057
R-36	766.9	11/17/15	WG	Dissolved Oxygen	5.7	mg/L	CASA-16-106243
R-36	766.9	08/07/15	WG	Dissolved Oxygen	5.74	mg/L	CASA-15-102638
R-36	766.9	05/05/15	WG	Dissolved Oxygen	5.61	mg/L	CASA-15-95821
R-36	766.9	02/12/15	WG	Dissolved Oxygen	5.74	mg/L	CASA-15-92514
R-36	766.9	02/08/16	WG	Flow (in gpm)	3.45	gpm	CASA-16-110057
R-36	766.9	11/17/15	WG	Flow (in gpm)	3.45	gpm	CASA-16-106243
R-36	766.9	08/07/15	WG	Flow (in gpm)	3.37	gpm	CASA-15-102638
R-36	766.9	05/05/15	WG	Flow (in gpm)	3.33	gpm	CASA-15-95821
R-36	766.9	02/12/15	WG	Flow (in gpm)	3.33	gpm	CASA-15-92514
R-36	766.9	02/08/16	WG	Oxidation-Reduction Potential	140.9	mV	CASA-16-110057
R-36	766.9	11/17/15	WG	Oxidation-Reduction Potential	103.8	mV	CASA-16-106243
R-36	766.9	08/07/15	WG	Oxidation-Reduction Potential	161	mV	CASA-15-102638
R-36	766.9	05/05/15	WG	Oxidation-Reduction Potential	214.1	mV	CASA-15-95821

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-36	766.9	02/12/15	WG	Oxidation-Reduction Potential	145	mV	CASA-15-92514
R-36	766.9	02/08/16	WG	pH	7.21	SU	CASA-16-110057
R-36	766.9	11/17/15	WG	pH	7.21	SU	CASA-16-106243
R-36	766.9	08/07/15	WG	pH	7.14	SU	CASA-15-102638
R-36	766.9	05/05/15	WG	pH	7.28	SU	CASA-15-95821
R-36	766.9	02/12/15	WG	pH	7.19	SU	CASA-15-92514
R-36	766.9	02/08/16	WG	Specific Conductance	195	µS/cm	CASA-16-110057
R-36	766.9	11/17/15	WG	Specific Conductance	194	µS/cm	CASA-16-106243
R-36	766.9	08/07/15	WG	Specific Conductance	196	µS/cm	CASA-15-102638
R-36	766.9	05/05/15	WG	Specific Conductance	194	µS/cm	CASA-15-95821
R-36	766.9	02/12/15	WG	Specific Conductance	193	µS/cm	CASA-15-92514
R-36	766.9	02/08/16	WG	Temperature	20.49	deg C	CASA-16-110057
R-36	766.9	11/17/15	WG	Temperature	19.23	deg C	CASA-16-106243
R-36	766.9	08/07/15	WG	Temperature	21.09	deg C	CASA-15-102638
R-36	766.9	05/05/15	WG	Temperature	20.23	deg C	CASA-15-95821
R-36	766.9	02/12/15	WG	Temperature	20.12	deg C	CASA-15-92514
R-36	766.9	02/08/16	WG	Turbidity	0.1	NTU	CASA-16-110057
R-36	766.9	11/17/15	WG	Turbidity	0.1	NTU	CASA-16-106243
R-36	766.9	08/07/15	WG	Turbidity	0.85	NTU	CASA-15-102638
R-36	766.9	05/05/15	WG	Turbidity	0.37	NTU	CASA-15-95821
R-36	766.9	02/12/15	WG	Turbidity	1.07	NTU	CASA-15-92514
R-42	931.8	02/04/16	WG	Dissolved Oxygen	7.17	mg/L	CAMO-16-110023
R-42	931.8	11/16/15	WG	Dissolved Oxygen	7.09	mg/L	CAMO-16-106104
R-42	931.8	08/12/15	WG	Dissolved Oxygen	7	mg/L	CAMO-15-102583
R-42	931.8	05/08/15	WG	Dissolved Oxygen	7.01	mg/L	CAMO-15-95782
R-42	931.8	02/26/15	WG	Dissolved Oxygen	7.06	mg/L	CAMO-15-92484
R-42	931.8	02/04/16	WG	Flow (in gpm)	3.2	gpm	CAMO-16-110023
R-42	931.8	11/16/15	WG	Flow (in gpm)	3	gpm	CAMO-16-106104

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-42	931.8	08/12/15	WG	Flow (in gpm)	3.06	gpm	CAMO-15-102583
R-42	931.8	05/08/15	WG	Flow (in gpm)	2.85	gpm	CAMO-15-95782
R-42	931.8	02/26/15	WG	Flow (in gpm)	2.65	gpm	CAMO-15-92484
R-42	931.8	02/04/16	WG	Oxidation-Reduction Potential	108.1	mV	CAMO-16-110023
R-42	931.8	11/16/15	WG	Oxidation-Reduction Potential	124	mV	CAMO-16-106104
R-42	931.8	08/12/15	WG	Oxidation-Reduction Potential	165.2	mV	CAMO-15-102583
R-42	931.8	05/08/15	WG	Oxidation-Reduction Potential	171.9	mV	CAMO-15-95782
R-42	931.8	02/26/15	WG	Oxidation-Reduction Potential	76.1	mV	CAMO-15-92484
R-42	931.8	02/04/16	WG	pH	7.38	SU	CAMO-16-110023
R-42	931.8	11/16/15	WG	pH	7.43	SU	CAMO-16-106104
R-42	931.8	08/12/15	WG	pH	7.43	SU	CAMO-15-102583
R-42	931.8	05/08/15	WG	pH	7.49	SU	CAMO-15-95782
R-42	931.8	02/26/15	WG	pH	7.49	SU	CAMO-15-92484
R-42	931.8	02/04/16	WG	Specific Conductance	525	µS/cm	CAMO-16-110023
R-42	931.8	11/16/15	WG	Specific Conductance	518	µS/cm	CAMO-16-106104
R-42	931.8	08/12/15	WG	Specific Conductance	519	µS/cm	CAMO-15-102583
R-42	931.8	05/08/15	WG	Specific Conductance	514	µS/cm	CAMO-15-95782
R-42	931.8	02/26/15	WG	Specific Conductance	499	µS/cm	CAMO-15-92484
R-42	931.8	02/04/16	WG	Temperature	18.74	deg C	CAMO-16-110023
R-42	931.8	11/16/15	WG	Temperature	18.64	deg C	CAMO-16-106104
R-42	931.8	08/12/15	WG	Temperature	20.73	deg C	CAMO-15-102583
R-42	931.8	05/08/15	WG	Temperature	20.53	deg C	CAMO-15-95782
R-42	931.8	02/26/15	WG	Temperature	19.21	deg C	CAMO-15-92484
R-42	931.8	02/04/16	WG	Turbidity	1.2	NTU	CAMO-16-110023
R-42	931.8	11/16/15	WG	Turbidity	0.9	NTU	CAMO-16-106104
R-42	931.8	08/12/15	WG	Turbidity	0.7	NTU	CAMO-15-102583
R-42	931.8	05/08/15	WG	Turbidity	1.2	NTU	CAMO-15-95782
R-42	931.8	02/26/15	WG	Turbidity	1.56	NTU	CAMO-15-92484

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S1	903.9	02/16/16	WG	Dissolved Oxygen	6.94	mg/L	CASA-16-110058
R-43 S1	903.9	11/18/15	WG	Dissolved Oxygen	6.96	mg/L	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	Dissolved Oxygen	6.83	mg/L	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	Dissolved Oxygen	6.98	mg/L	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Dissolved Oxygen	7.04	mg/L	CASA-15-92515
R-43 S1	903.9	02/16/16	WG	Flow (in gpm)	1.55	gpm	CASA-16-110058
R-43 S1	903.9	11/18/15	WG	Flow (in gpm)	1.52	gpm	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	Flow (in gpm)	1.54	gpm	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	Flow (in gpm)	1.54	gpm	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Flow (in gpm)	1.67	gpm	CASA-15-92515
R-43 S1	903.9	02/16/16	WG	Oxidation-Reduction Potential	160.9	mV	CASA-16-110058
R-43 S1	903.9	11/18/15	WG	Oxidation-Reduction Potential	151.6	mV	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	Oxidation-Reduction Potential	121.3	mV	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	Oxidation-Reduction Potential	111.6	mV	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Oxidation-Reduction Potential	124.9	mV	CASA-15-92515
R-43 S1	903.9	02/16/16	WG	pH	8.2	SU	CASA-16-110058
R-43 S1	903.9	11/18/15	WG	pH	8.09	SU	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	pH	7.95	SU	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	pH	8.19	SU	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	pH	8.21	SU	CASA-15-92515
R-43 S1	903.9	02/16/16	WG	Specific Conductance	196	µS/cm	CASA-16-110058
R-43 S1	903.9	11/18/15	WG	Specific Conductance	195	µS/cm	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	Specific Conductance	214	µS/cm	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	Specific Conductance	193	µS/cm	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Specific Conductance	192	µS/cm	CASA-15-92515
R-43 S1	903.9	02/16/16	WG	Temperature	20.17	deg C	CASA-16-110058
R-43 S1	903.9	11/18/15	WG	Temperature	19.51	deg C	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	Temperature	21.62	deg C	CASA-15-102639

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S1	903.9	05/15/15	WG	Temperature	20.07	deg C	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Temperature	19.75	deg C	CASA-15-92515
R-43 S1	903.9	02/16/16	WG	Turbidity	0.3	NTU	CASA-16-110058
R-43 S1	903.9	11/18/15	WG	Turbidity	0	NTU	CASA-16-106244
R-43 S1	903.9	08/19/15	WG	Turbidity	0	NTU	CASA-15-102639
R-43 S1	903.9	05/15/15	WG	Turbidity	0.84	NTU	CASA-15-95831
R-43 S1	903.9	03/02/15	WG	Turbidity	0.69	NTU	CASA-15-92515
R-43 S2	969.1	02/16/16	WG	Dissolved Oxygen	5.13	mg/L	CASA-16-110059
R-43 S2	969.1	11/18/15	WG	Dissolved Oxygen	3.41	mg/L	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Dissolved Oxygen	4.26	mg/L	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	Dissolved Oxygen	5.26	mg/L	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Dissolved Oxygen	5.5	mg/L	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	Dissolved Oxygen	5.71	mg/L	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Dissolved Oxygen	3.27	mg/L	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	Dissolved Oxygen	3.27	mg/L	CASA-15-92516
R-43 S2	969.1	02/16/16	WG	Flow (in gpm)	1.69	gpm	CASA-16-110059
R-43 S2	969.1	11/18/15	WG	Flow (in gpm)	1.57	gpm	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Flow (in gpm)	1.52	gpm	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	Flow (in gpm)	1.52	gpm	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Flow (in gpm)	1.52	gpm	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	Flow (in gpm)	1.52	gpm	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Flow (in gpm)	1.53	gpm	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	Flow (in gpm)	1.67	gpm	CASA-15-92516
R-43 S2	969.1	02/16/16	WG	Oxidation-Reduction Potential	95.4	mV	CASA-16-110059
R-43 S2	969.1	11/18/15	WG	Oxidation-Reduction Potential	153.1	mV	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Oxidation-Reduction Potential	125.4	mV	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	Oxidation-Reduction Potential	124.8	mV	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Oxidation-Reduction Potential	122.8	mV	CAMO-15-104025

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	08/18/15	WG	Oxidation-Reduction Potential	131.5	mV	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Oxidation-Reduction Potential	112.4	mV	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	Oxidation-Reduction Potential	107.3	mV	CASA-15-92516
R-43 S2	969.1	02/16/16	WG	pH	8.63	SU	CASA-16-110059
R-43 S2	969.1	11/18/15	WG	pH	8.5	SU	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	pH	8.46	SU	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	pH	8.38	SU	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	pH	8.36	SU	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	pH	8.31	SU	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	pH	8.65	SU	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	pH	8.63	SU	CASA-15-92516
R-43 S2	969.1	02/16/16	WG	Specific Conductance	199	µS/cm	CASA-16-110059
R-43 S2	969.1	11/18/15	WG	Specific Conductance	199	µS/cm	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Specific Conductance	201	µS/cm	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	Specific Conductance	200	µS/cm	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Specific Conductance	200	µS/cm	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	Specific Conductance	200	µS/cm	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Specific Conductance	198	µS/cm	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	Specific Conductance	199	µS/cm	CASA-15-92516
R-43 S2	969.1	02/16/16	WG	Temperature	19.99	deg C	CASA-16-110059
R-43 S2	969.1	11/18/15	WG	Temperature	18.22	deg C	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Temperature	20.18	deg C	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	Temperature	21.19	deg C	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Temperature	21.42	deg C	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	Temperature	21.55	deg C	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Temperature	20.52	deg C	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	Temperature	20.29	deg C	CASA-15-92516
R-43 S2	969.1	02/16/16	WG	Turbidity	0.2	NTU	CASA-16-110059

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	11/18/15	WG	Turbidity	0.1	NTU	CASA-16-106245
R-43 S2	969.1	08/18/15	WG	Turbidity	0.2	NTU	CAMO-15-104020
R-43 S2	969.1	08/18/15	WG	Turbidity	0.1	NTU	CAMO-15-104023
R-43 S2	969.1	08/18/15	WG	Turbidity	0.1	NTU	CAMO-15-104025
R-43 S2	969.1	08/18/15	WG	Turbidity	0.1	NTU	CAMO-15-104065
R-43 S2	969.1	05/19/15	WG	Turbidity	1.33	NTU	CASA-15-95832
R-43 S2	969.1	03/02/15	WG	Turbidity	0.81	NTU	CASA-15-92516
R-44 S1	895	02/09/16	WG	Dissolved Oxygen	6.86	mg/L	CAMO-16-110024
R-44 S1	895	11/12/15	WG	Dissolved Oxygen	6.91	mg/L	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Dissolved Oxygen	6.84	mg/L	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Dissolved Oxygen	6.7	mg/L	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Dissolved Oxygen	6.73	mg/L	CAMO-15-92485
R-44 S1	895	02/09/16	WG	Flow (in gpm)	3.45	gpm	CAMO-16-110024
R-44 S1	895	11/12/15	WG	Flow (in gpm)	3.33	gpm	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Flow (in gpm)	3.33	gpm	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Flow (in gpm)	3.41	gpm	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Flow (in gpm)	3.3	gpm	CAMO-15-92485
R-44 S1	895	02/09/16	WG	Oxidation-Reduction Potential	151	mV	CAMO-16-110024
R-44 S1	895	11/12/15	WG	Oxidation-Reduction Potential	104.3	mV	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Oxidation-Reduction Potential	156.6	mV	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Oxidation-Reduction Potential	182.9	mV	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Oxidation-Reduction Potential	152.1	mV	CAMO-15-92485
R-44 S1	895	02/09/16	WG	pH	7.78	SU	CAMO-16-110024
R-44 S1	895	11/12/15	WG	pH	7.6	SU	CAMO-16-106105
R-44 S1	895	08/06/15	WG	pH	7.77	SU	CAMO-15-103604
R-44 S1	895	05/06/15	WG	pH	7.72	SU	CAMO-15-95783
R-44 S1	895	02/17/15	WG	pH	7.76	SU	CAMO-15-92485
R-44 S1	895	02/09/16	WG	Specific Conductance	139	µS/cm	CAMO-16-110024

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44 S1	895	11/12/15	WG	Specific Conductance	136	µS/cm	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Specific Conductance	138	µS/cm	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Specific Conductance	136	µS/cm	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Specific Conductance	136	µS/cm	CAMO-15-92485
R-44 S1	895	02/09/16	WG	Temperature	20.47	deg C	CAMO-16-110024
R-44 S1	895	11/12/15	WG	Temperature	19.66	deg C	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Temperature	21	deg C	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Temperature	20.59	deg C	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Temperature	19.63	deg C	CAMO-15-92485
R-44 S1	895	02/09/16	WG	Turbidity	0.73	NTU	CAMO-16-110024
R-44 S1	895	11/12/15	WG	Turbidity	0.6	NTU	CAMO-16-106105
R-44 S1	895	08/06/15	WG	Turbidity	0.4	NTU	CAMO-15-103604
R-44 S1	895	05/06/15	WG	Turbidity	0.8	NTU	CAMO-15-95783
R-44 S1	895	02/17/15	WG	Turbidity	0.67	NTU	CAMO-15-92485
R-44 S2	985.3	02/09/16	WG	Dissolved Oxygen	7.15	mg/L	CAMO-16-110025
R-44 S2	985.3	11/12/15	WG	Dissolved Oxygen	7.02	mg/L	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Dissolved Oxygen	7.06	mg/L	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	Dissolved Oxygen	7.06	mg/L	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	Dissolved Oxygen	7.17	mg/L	CAMO-15-92502
R-44 S2	985.3	02/09/16	WG	Flow (in gpm)	3.45	gpm	CAMO-16-110025
R-44 S2	985.3	11/12/15	WG	Flow (in gpm)	3.33	gpm	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Flow (in gpm)	3.45	gpm	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	Flow (in gpm)	3.33	gpm	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	Flow (in gpm)	3.4	gpm	CAMO-15-92502
R-44 S2	985.3	02/09/16	WG	Oxidation-Reduction Potential	142.7	mV	CAMO-16-110025
R-44 S2	985.3	11/12/15	WG	Oxidation-Reduction Potential	105.7	mV	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Oxidation-Reduction Potential	136.2	mV	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	Oxidation-Reduction Potential	165.5	mV	CAMO-15-95784

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44 S2	985.3	02/17/15	WG	Oxidation-Reduction Potential	164.8	mV	CAMO-15-92502
R-44 S2	985.3	02/09/16	WG	pH	7.85	SU	CAMO-16-110025
R-44 S2	985.3	11/12/15	WG	pH	7.78	SU	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	pH	7.85	SU	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	pH	7.8	SU	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	pH	7.86	SU	CAMO-15-92502
R-44 S2	985.3	02/09/16	WG	Specific Conductance	147	µS/cm	CAMO-16-110025
R-44 S2	985.3	11/12/15	WG	Specific Conductance	145	µS/cm	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Specific Conductance	145	µS/cm	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	Specific Conductance	143	µS/cm	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	Specific Conductance	144	µS/cm	CAMO-15-92502
R-44 S2	985.3	02/09/16	WG	Temperature	20.8	deg C	CAMO-16-110025
R-44 S2	985.3	11/12/15	WG	Temperature	19.67	deg C	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Temperature	21.57	deg C	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	Temperature	21.19	deg C	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	Temperature	20.48	deg C	CAMO-15-92502
R-44 S2	985.3	02/09/16	WG	Turbidity	0.49	NTU	CAMO-16-110025
R-44 S2	985.3	11/12/15	WG	Turbidity	0.5	NTU	CAMO-16-106106
R-44 S2	985.3	08/06/15	WG	Turbidity	0.3	NTU	CAMO-15-102585
R-44 S2	985.3	05/06/15	WG	Turbidity	0.86	NTU	CAMO-15-95784
R-44 S2	985.3	02/17/15	WG	Turbidity	0.6	NTU	CAMO-15-92502
R-45 S1	880	02/10/16	WG	Dissolved Oxygen	7.19	mg/L	CAMO-16-110026
R-45 S1	880	11/11/15	WG	Dissolved Oxygen	7.22	mg/L	CAMO-16-106107
R-45 S1	880	08/05/15	WG	Dissolved Oxygen	7.04	mg/L	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Dissolved Oxygen	7.08	mg/L	CAMO-15-95785
R-45 S1	880	02/18/15	WG	Dissolved Oxygen	7.1	mg/L	CAMO-15-92487
R-45 S1	880	02/10/16	WG	Flow (in gpm)	3.53	gpm	CAMO-16-110026
R-45 S1	880	11/11/15	WG	Flow (in gpm)	3.53	gpm	CAMO-16-106107

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45 S1	880	08/05/15	WG	Flow (in gpm)	3.5	gpm	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Flow (in gpm)	3.5	gpm	CAMO-15-95785
R-45 S1	880	02/18/15	WG	Flow (in gpm)	3.61	gpm	CAMO-15-92487
R-45 S1	880	02/10/16	WG	Oxidation-Reduction Potential	143.1	mV	CAMO-16-110026
R-45 S1	880	11/11/15	WG	Oxidation-Reduction Potential	164.5	mV	CAMO-16-106107
R-45 S1	880	08/05/15	WG	Oxidation-Reduction Potential	161	mV	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Oxidation-Reduction Potential	213.1	mV	CAMO-15-95785
R-45 S1	880	02/18/15	WG	Oxidation-Reduction Potential	199.5	mV	CAMO-15-92487
R-45 S1	880	02/10/16	WG	pH	7.77	SU	CAMO-16-110026
R-45 S1	880	11/11/15	WG	pH	7.76	SU	CAMO-16-106107
R-45 S1	880	08/05/15	WG	pH	7.69	SU	CAMO-15-102586
R-45 S1	880	05/04/15	WG	pH	7.85	SU	CAMO-15-95785
R-45 S1	880	02/18/15	WG	pH	7.75	SU	CAMO-15-92487
R-45 S1	880	02/10/16	WG	Specific Conductance	189	µS/cm	CAMO-16-110026
R-45 S1	880	11/11/15	WG	Specific Conductance	184	µS/cm	CAMO-16-106107
R-45 S1	880	08/05/15	WG	Specific Conductance	188	µS/cm	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Specific Conductance	187	µS/cm	CAMO-15-95785
R-45 S1	880	02/18/15	WG	Specific Conductance	185	µS/cm	CAMO-15-92487
R-45 S1	880	02/10/16	WG	Temperature	19.93	deg C	CAMO-16-110026
R-45 S1	880	11/11/15	WG	Temperature	19.77	deg C	CAMO-16-106107
R-45 S1	880	08/05/15	WG	Temperature	20.98	deg C	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Temperature	20.86	deg C	CAMO-15-95785
R-45 S1	880	02/18/15	WG	Temperature	20.58	deg C	CAMO-15-92487
R-45 S1	880	02/10/16	WG	Turbidity	0	NTU	CAMO-16-110026
R-45 S1	880	11/11/15	WG	Turbidity	0.3	NTU	CAMO-16-106107
R-45 S1	880	08/05/15	WG	Turbidity	1.03	NTU	CAMO-15-102586
R-45 S1	880	05/04/15	WG	Turbidity	0.21	NTU	CAMO-15-95785
R-45 S1	880	02/18/15	WG	Turbidity	0.61	NTU	CAMO-15-92487

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45 S2	974.9	02/10/16	WG	Dissolved Oxygen	6.2	mg/L	CAMO-16-110027
R-45 S2	974.9	11/11/15	WG	Dissolved Oxygen	6.2	mg/L	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	Dissolved Oxygen	6.22	mg/L	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	Dissolved Oxygen	6.14	mg/L	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Dissolved Oxygen	6.09	mg/L	CAMO-15-92488
R-45 S2	974.9	02/10/16	WG	Flow (in gpm)	3.53	gpm	CAMO-16-110027
R-45 S2	974.9	11/11/15	WG	Flow (in gpm)	3.09	gpm	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	Flow (in gpm)	3.5	gpm	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	Flow (in gpm)	3.3	gpm	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Flow (in gpm)	3.52	gpm	CAMO-15-92488
R-45 S2	974.9	02/10/16	WG	Oxidation-Reduction Potential	134.9	mV	CAMO-16-110027
R-45 S2	974.9	11/11/15	WG	Oxidation-Reduction Potential	171.7	mV	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	Oxidation-Reduction Potential	125.4	mV	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	Oxidation-Reduction Potential	243	mV	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Oxidation-Reduction Potential	171.7	mV	CAMO-15-92488
R-45 S2	974.9	02/10/16	WG	pH	8.23	SU	CAMO-16-110027
R-45 S2	974.9	11/11/15	WG	pH	8.03	SU	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	pH	8.18	SU	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	pH	8.3	SU	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	pH	8.23	SU	CAMO-15-92488
R-45 S2	974.9	02/10/16	WG	Specific Conductance	176	µS/cm	CAMO-16-110027
R-45 S2	974.9	11/11/15	WG	Specific Conductance	171	µS/cm	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	Specific Conductance	175	µS/cm	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	Specific Conductance	174	µS/cm	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Specific Conductance	173	µS/cm	CAMO-15-92488
R-45 S2	974.9	02/10/16	WG	Temperature	20.75	deg C	CAMO-16-110027
R-45 S2	974.9	11/11/15	WG	Temperature	19.78	deg C	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	Temperature	22.12	deg C	CAMO-15-102611

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45 S2	974.9	05/04/15	WG	Temperature	21.04	deg C	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Temperature	21.27	deg C	CAMO-15-92488
R-45 S2	974.9	02/10/16	WG	Turbidity	0.4	NTU	CAMO-16-110027
R-45 S2	974.9	11/11/15	WG	Turbidity	0.1	NTU	CAMO-16-106108
R-45 S2	974.9	08/05/15	WG	Turbidity	0.86	NTU	CAMO-15-102611
R-45 S2	974.9	05/04/15	WG	Turbidity	0.24	NTU	CAMO-15-95786
R-45 S2	974.9	02/19/15	WG	Turbidity	0.65	NTU	CAMO-15-92488
R-50 S1	1077	02/16/16	WG	Dissolved Oxygen	6.17	mg/L	CAMO-16-110028
R-50 S1	1077	11/09/15	WG	Dissolved Oxygen	6.03	mg/L	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Dissolved Oxygen	5.52	mg/L	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Dissolved Oxygen	5.53	mg/L	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Dissolved Oxygen	6.04	mg/L	CAMO-15-92489
R-50 S1	1077	02/16/16	WG	Flow (in gpm)	2.65	gpm	CAMO-16-110028
R-50 S1	1077	11/09/15	WG	Flow (in gpm)	2.61	gpm	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Flow (in gpm)	2.56	gpm	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Flow (in gpm)	2.27	gpm	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Flow (in gpm)	2.65	gpm	CAMO-15-92489
R-50 S1	1077	02/16/16	WG	Oxidation-Reduction Potential	139.9	mV	CAMO-16-110028
R-50 S1	1077	11/09/15	WG	Oxidation-Reduction Potential	23.4	mV	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Oxidation-Reduction Potential	58.9	mV	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Oxidation-Reduction Potential	238.4	mV	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Oxidation-Reduction Potential	76.7	mV	CAMO-15-92489
R-50 S1	1077	02/16/16	WG	pH	7.81	SU	CAMO-16-110028
R-50 S1	1077	11/09/15	WG	pH	7.65	SU	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	pH	7.79	SU	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	pH	7.98	SU	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	pH	7.85	SU	CAMO-15-92489
R-50 S1	1077	02/16/16	WG	Specific Conductance	196	µS/cm	CAMO-16-110028

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S1	1077	11/09/15	WG	Specific Conductance	182	µS/cm	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Specific Conductance	199	µS/cm	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Specific Conductance	195	µS/cm	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Specific Conductance	186	µS/cm	CAMO-15-92489
R-50 S1	1077	02/16/16	WG	Temperature	20.44	deg C	CAMO-16-110028
R-50 S1	1077	11/09/15	WG	Temperature	19.76	deg C	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Temperature	21.9	deg C	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Temperature	20.18	deg C	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Temperature	19.16	deg C	CAMO-15-92489
R-50 S1	1077	02/16/16	WG	Turbidity	0.5	NTU	CAMO-16-110028
R-50 S1	1077	11/09/15	WG	Turbidity	0.6	NTU	CAMO-16-106110
R-50 S1	1077	08/05/15	WG	Turbidity	0.7	NTU	CAMO-15-102588
R-50 S1	1077	05/08/15	WG	Turbidity	0.55	NTU	CAMO-15-95788
R-50 S1	1077	02/23/15	WG	Turbidity	0.42	NTU	CAMO-15-92489
R-50 S2	1185	02/09/16	WG	Dissolved Oxygen	7.82	mg/L	CAMO-16-110029
R-50 S2	1185	11/09/15	WG	Dissolved Oxygen	7.46	mg/L	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Dissolved Oxygen	8.12	mg/L	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	Dissolved Oxygen	8.18	mg/L	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	Dissolved Oxygen	7.73	mg/L	CAMO-15-92490
R-50 S2	1185	02/09/16	WG	Flow (in gpm)	2.24	gpm	CAMO-16-110029
R-50 S2	1185	11/09/15	WG	Flow (in gpm)	1.79	gpm	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Flow (in gpm)	1.69	gpm	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	Flow (in gpm)	1.27	gpm	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	Flow (in gpm)	1.47	gpm	CAMO-15-92490
R-50 S2	1185	02/09/16	WG	Oxidation-Reduction Potential	144.4	mV	CAMO-16-110029
R-50 S2	1185	11/09/15	WG	Oxidation-Reduction Potential	76.2	mV	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Oxidation-Reduction Potential	70.8	mV	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	Oxidation-Reduction Potential	121.3	mV	CAMO-15-95789

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S2	1185	02/23/15	WG	Oxidation-Reduction Potential	61.8	mV	CAMO-15-92490
R-50 S2	1185	02/09/16	WG	pH	7.83	SU	CAMO-16-110029
R-50 S2	1185	11/09/15	WG	pH	7.9	SU	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	pH	7.81	SU	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	pH	7.97	SU	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	pH	8.03	SU	CAMO-15-92490
R-50 S2	1185	02/09/16	WG	Specific Conductance	137	µS/cm	CAMO-16-110029
R-50 S2	1185	11/09/15	WG	Specific Conductance	134	µS/cm	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Specific Conductance	136	µS/cm	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	Specific Conductance	137	µS/cm	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	Specific Conductance	131	µS/cm	CAMO-15-92490
R-50 S2	1185	02/09/16	WG	Temperature	20.13	deg C	CAMO-16-110029
R-50 S2	1185	11/09/15	WG	Temperature	20.28	deg C	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Temperature	21.68	deg C	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	Temperature	21.41	deg C	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	Temperature	18.65	deg C	CAMO-15-92490
R-50 S2	1185	02/09/16	WG	Turbidity	9.6	NTU	CAMO-16-110029
R-50 S2	1185	11/09/15	WG	Turbidity	2.3	NTU	CAMO-16-106111
R-50 S2	1185	08/05/15	WG	Turbidity	16	NTU	CAMO-15-102589
R-50 S2	1185	05/11/15	WG	Turbidity	1.51	NTU	CAMO-15-95789
R-50 S2	1185	02/23/15	WG	Turbidity	0.88	NTU	CAMO-15-92490
R-62	1158.4	02/19/16	WG	Dissolved Oxygen	6.47	mg/L	CAMO-16-110031
R-62	1158.4	11/19/15	WG	Dissolved Oxygen	6.41	mg/L	CAMO-16-106114
R-62	1158.4	08/13/15	WG	Dissolved Oxygen	6.07	mg/L	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Dissolved Oxygen	6.56	mg/L	CAMO-15-95792
R-62	1158.4	02/24/15	WG	Dissolved Oxygen	6.76	mg/L	CAMO-15-92492
R-62	1158.4	02/19/16	WG	Flow (in gpm)	1.73	gpm	CAMO-16-110031
R-62	1158.4	11/19/15	WG	Flow (in gpm)	1.78	gpm	CAMO-16-106114

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-62	1158.4	08/13/15	WG	Flow (in gpm)	1.9	gpm	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Flow (in gpm)	1.8	gpm	CAMO-15-95792
R-62	1158.4	02/24/15	WG	Flow (in gpm)	1.6	gpm	CAMO-15-92492
R-62	1158.4	02/19/16	WG	Oxidation-Reduction Potential	114.1	mV	CAMO-16-110031
R-62	1158.4	11/19/15	WG	Oxidation-Reduction Potential	97.4	mV	CAMO-16-106114
R-62	1158.4	08/13/15	WG	Oxidation-Reduction Potential	98.2	mV	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Oxidation-Reduction Potential	66.2	mV	CAMO-15-95792
R-62	1158.4	02/24/15	WG	Oxidation-Reduction Potential	21.2	mV	CAMO-15-92492
R-62	1158.4	02/19/16	WG	pH	8.43	SU	CAMO-16-110031
R-62	1158.4	11/19/15	WG	pH	8.49	SU	CAMO-16-106114
R-62	1158.4	08/13/15	WG	pH	8.4	SU	CAMO-15-102591
R-62	1158.4	05/12/15	WG	pH	8.39	SU	CAMO-15-95792
R-62	1158.4	02/24/15	WG	pH	8.42	SU	CAMO-15-92492
R-62	1158.4	02/19/16	WG	Specific Conductance	210	µS/cm	CAMO-16-110031
R-62	1158.4	11/19/15	WG	Specific Conductance	204	µS/cm	CAMO-16-106114
R-62	1158.4	08/13/15	WG	Specific Conductance	191	µS/cm	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Specific Conductance	194	µS/cm	CAMO-15-95792
R-62	1158.4	02/24/15	WG	Specific Conductance	196	µS/cm	CAMO-15-92492
R-62	1158.4	02/19/16	WG	Temperature	18.53	deg C	CAMO-16-110031
R-62	1158.4	11/19/15	WG	Temperature	17.74	deg C	CAMO-16-106114
R-62	1158.4	08/13/15	WG	Temperature	20.16	deg C	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Temperature	19.12	deg C	CAMO-15-95792
R-62	1158.4	02/24/15	WG	Temperature	19.03	deg C	CAMO-15-92492
R-62	1158.4	02/19/16	WG	Turbidity	1	NTU	CAMO-16-110031
R-62	1158.4	11/19/15	WG	Turbidity	0.5	NTU	CAMO-16-106114
R-62	1158.4	08/13/15	WG	Turbidity	0.76	NTU	CAMO-15-102591
R-62	1158.4	05/12/15	WG	Turbidity	0.92	NTU	CAMO-15-95792
R-62	1158.4	02/24/15	WG	Turbidity	0.37	NTU	CAMO-15-92492

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-67	1242.6	02/03/16	WG	Dissolved Oxygen	4.81	mg/L	CASA-16-110060
R-67	1242.6	12/03/15	WG	Dissolved Oxygen	5.8	mg/L	CASA-16-106063
R-67	1242.6	02/03/16	WG	Flow (in gpm)	1.76	gpm	CASA-16-110060
R-67	1242.6	12/03/15	WG	Flow (in gpm)	3.48	gpm	CASA-16-106063
R-67	1242.6	02/03/16	WG	Oxidation-Reduction Potential	54.3	mV	CASA-16-110060
R-67	1242.6	12/03/15	WG	Oxidation-Reduction Potential	107.7	mV	CASA-16-106063
R-67	1242.6	02/03/16	WG	pH	7.76	SU	CASA-16-110060
R-67	1242.6	12/03/15	WG	pH	7.67	SU	CASA-16-106063
R-67	1242.6	02/03/16	WG	Specific Conductance	178	µS/cm	CASA-16-110060
R-67	1242.6	12/03/15	WG	Specific Conductance	176	µS/cm	CASA-16-106063
R-67	1242.6	02/03/16	WG	Temperature	17.41	deg C	CASA-16-110060
R-67	1242.6	12/03/15	WG	Temperature	19.03	deg C	CASA-16-106063
R-67	1242.6	02/03/16	WG	Turbidity	4.2	NTU	CASA-16-110060
R-67	1242.6	12/03/15	WG	Turbidity	7.3	NTU	CASA-16-106063
SCI-1	358.4	02/12/16	WG	Dissolved Oxygen	8.95	mg/L	CASA-16-110070
SCI-1	358.4	05/07/15	WG	Dissolved Oxygen	11.21	mg/L	CASA-15-95824
SCI-1	358.4	11/12/14	WG	Dissolved Oxygen	9.35	mg/L	CASA-15-90255
SCI-1	358.4	05/08/14	WG	Dissolved Oxygen	9.86	mg/L	CASA-14-75530
SCI-1	358.4	11/19/13	WG	Dissolved Oxygen	11.57	mg/L	CASA-14-45718
SCI-1	358.4	02/12/16	WG	Oxidation-Reduction Potential	261.2	mV	CASA-16-110070
SCI-1	358.4	05/07/15	WG	Oxidation-Reduction Potential	80.3	mV	CASA-15-95824
SCI-1	358.4	11/12/14	WG	Oxidation-Reduction Potential	99.9	mV	CASA-15-90255
SCI-1	358.4	05/08/14	WG	Oxidation-Reduction Potential	28.9	mV	CASA-14-75530
SCI-1	358.4	11/19/13	WG	Oxidation-Reduction Potential	99.4	mV	CASA-14-45718
SCI-1	358.4	02/12/16	WG	pH	6.74	SU	CASA-16-110070
SCI-1	358.4	05/07/15	WG	pH	7.19	SU	CASA-15-95824
SCI-1	358.4	11/12/14	WG	pH	7.17	SU	CASA-15-90255
SCI-1	358.4	05/08/14	WG	pH	7.25	SU	CASA-14-75530

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-1	358.4	11/19/13	WG	pH	7.24	SU	CASA-14-45718
SCI-1	358.4	02/12/16	WG	Specific Conductance	685	µS/cm	CASA-16-110070
SCI-1	358.4	05/07/15	WG	Specific Conductance	706	µS/cm	CASA-15-95824
SCI-1	358.4	11/12/14	WG	Specific Conductance	724	µS/cm	CASA-15-90255
SCI-1	358.4	05/08/14	WG	Specific Conductance	712	µS/cm	CASA-14-75530
SCI-1	358.4	11/19/13	WG	Specific Conductance	705	µS/cm	CASA-14-45718
SCI-1	358.4	02/12/16	WG	Temperature	9.81	deg C	CASA-16-110070
SCI-1	358.4	05/07/15	WG	Temperature	11.12	deg C	CASA-15-95824
SCI-1	358.4	11/12/14	WG	Temperature	9.6	deg C	CASA-15-90255
SCI-1	358.4	05/08/14	WG	Temperature	9.77	deg C	CASA-14-75530
SCI-1	358.4	11/19/13	WG	Temperature	10.81	deg C	CASA-14-45718
SCI-1	358.4	02/12/16	WG	Turbidity	3.5	NTU	CASA-16-110070
SCI-1	358.4	05/07/15	WG	Turbidity	4.27	NTU	CASA-15-95824
SCI-1	358.4	11/12/14	WG	Turbidity	5.6	NTU	CASA-15-90255
SCI-1	358.4	05/08/14	WG	Turbidity	2.1	NTU	CASA-14-75530
SCI-1	358.4	11/19/13	WG	Turbidity	1.6	NTU	CASA-14-45718
SCI-2	548	02/11/16	WG	Dissolved Oxygen	8.38	mg/L	CASA-16-110062
SCI-2	548	11/13/15	WG	Dissolved Oxygen	8.44	mg/L	CASA-16-106248
SCI-2	548	08/10/15	WG	Dissolved Oxygen	8.21	mg/L	CASA-15-102643
SCI-2	548	05/07/15	WG	Dissolved Oxygen	8.25	mg/L	CASA-15-95825
SCI-2	548	02/19/15	WG	Dissolved Oxygen	8.48	mg/L	CASA-15-92517
SCI-2	548	02/11/16	WG	Flow (in gpm)	0.89	gpm	CASA-16-110062
SCI-2	548	11/13/15	WG	Flow (in gpm)	0.85	gpm	CASA-16-106248
SCI-2	548	08/10/15	WG	Flow (in gpm)	0.71	gpm	CASA-15-102643
SCI-2	548	05/07/15	WG	Flow (in gpm)	0.79	gpm	CASA-15-95825
SCI-2	548	02/19/15	WG	Flow (in gpm)	0.8	gpm	CASA-15-92517
SCI-2	548	02/11/16	WG	Oxidation-Reduction Potential	167.3	mV	CASA-16-110062
SCI-2	548	11/13/15	WG	Oxidation-Reduction Potential	171.6	mV	CASA-16-106248

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	548	08/10/15	WG	Oxidation-Reduction Potential	142.5	mV	CASA-15-102643
SCI-2	548	05/07/15	WG	Oxidation-Reduction Potential	218	mV	CASA-15-95825
SCI-2	548	02/19/15	WG	Oxidation-Reduction Potential	117.4	mV	CASA-15-92517
SCI-2	548	02/11/16	WG	pH	7.36	SU	CASA-16-110062
SCI-2	548	11/13/15	WG	pH	7.29	SU	CASA-16-106248
SCI-2	548	08/10/15	WG	pH	7.25	SU	CASA-15-102643
SCI-2	548	05/07/15	WG	pH	7.43	SU	CASA-15-95825
SCI-2	548	02/19/15	WG	pH	7.3	SU	CASA-15-92517
SCI-2	548	02/11/16	WG	Specific Conductance	598	µS/cm	CASA-16-110062
SCI-2	548	11/13/15	WG	Specific Conductance	611	µS/cm	CASA-16-106248
SCI-2	548	08/10/15	WG	Specific Conductance	615	µS/cm	CASA-15-102643
SCI-2	548	05/07/15	WG	Specific Conductance	621	µS/cm	CASA-15-95825
SCI-2	548	02/19/15	WG	Specific Conductance	604	µS/cm	CASA-15-92517
SCI-2	548	02/11/16	WG	Temperature	13.92	deg C	CASA-16-110062
SCI-2	548	11/13/15	WG	Temperature	13.95	deg C	CASA-16-106248
SCI-2	548	08/10/15	WG	Temperature	14.32	deg C	CASA-15-102643
SCI-2	548	05/07/15	WG	Temperature	14.41	deg C	CASA-15-95825
SCI-2	548	02/19/15	WG	Temperature	13.73	deg C	CASA-15-92517
SCI-2	548	02/11/16	WG	Turbidity	1.2	NTU	CASA-16-110062
SCI-2	548	11/13/15	WG	Turbidity	1.9	NTU	CASA-16-106248
SCI-2	548	08/10/15	WG	Turbidity	1.93	NTU	CASA-15-102643
SCI-2	548	05/07/15	WG	Turbidity	0.92	NTU	CASA-15-95825
SCI-2	548	02/19/15	WG	Turbidity	1.3	NTU	CASA-15-92517
SIMR-2	885	02/18/16	WG	Dissolved Oxygen	7.88	mg/L	CAMO-16-110032
SIMR-2	885	11/24/15	WG	Dissolved Oxygen	8.48	mg/L	CASA-16-106249
SIMR-2	885	10/23/15	WG	Dissolved Oxygen	8	mg/L	CASA-16-106064
SIMR-2	885	02/18/16	WG	Flow (in gpm)	3.66	gpm	CAMO-16-110032
SIMR-2	885	11/24/15	WG	Flow (in gpm)	3.61	gpm	CASA-16-106249

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SIMR-2	885	10/23/15	WG	Flow (in gpm)	3.7	gpm	CASA-16-106064
SIMR-2	885	02/18/16	WG	Oxidation-Reduction Potential	52.9	mV	CAMO-16-110032
SIMR-2	885	11/24/15	WG	Oxidation-Reduction Potential	132.4	mV	CASA-16-106249
SIMR-2	885	10/23/15	WG	Oxidation-Reduction Potential	82.6	mV	CASA-16-106064
SIMR-2	885	02/18/16	WG	pH	7.69	SU	CAMO-16-110032
SIMR-2	885	11/24/15	WG	pH	7.76	SU	CASA-16-106249
SIMR-2	885	10/23/15	WG	pH	7.67	SU	CASA-16-106064
SIMR-2	885	02/18/16	WG	Specific Conductance	133	µS/cm	CAMO-16-110032
SIMR-2	885	11/24/15	WG	Specific Conductance	135	µS/cm	CASA-16-106249
SIMR-2	885	10/23/15	WG	Specific Conductance	133	µS/cm	CASA-16-106064
SIMR-2	885	02/18/16	WG	Temperature	20.45	deg C	CAMO-16-110032
SIMR-2	885	11/24/15	WG	Temperature	20.31	deg C	CASA-16-106249
SIMR-2	885	10/23/15	WG	Temperature	19.9	deg C	CASA-16-106064
SIMR-2	885	02/18/16	WG	Turbidity	1	NTU	CAMO-16-110032
SIMR-2	885	11/24/15	WG	Turbidity	0.3	NTU	CASA-16-106249
SIMR-2	885	10/23/15	WG	Turbidity	4.1	NTU	CASA-16-106064

[a] WG = Groundwater.

[b] gpm = Gallons per minute.

[c] SU = Standard unit.

[d] NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

The following pages provide lists of (1) acronyms, abbreviations, symbols, and various analytical codes; (2) analytical laboratory qualifier codes; and (3) secondary validation flag codes that may be used in Appendix C. Please note that these are comprehensive lists, and this periodic monitoring report may not include all of the terms in the lists.

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
%D	percent difference
%R	percent recovery
%RSD	percent relative standard deviation
<	Based on qualifiers, the result was a nondetection.
—	none
4,4'-DDD	4,4'-dichlorodiphenyldichloroethane
4,4'-DDT	4,4'-dichlorodiphenyltrichloroethane
BHC	benzene hexachloride
CB	chlorinated biphenyl
CCB	continuing calibration blank
CCV	continuing calibration verification
CLP	Contract Laboratory Program
CRDL	contract-required detection limit
CRI	CDRL check standard
DCG	Derived Concentration Guide (DOE)
DDE	dichlorodiphenyldichloroethylene
DNX	dinitroso-RDX (or hexahydro-1,3-dinitroso-5-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
DQO	data quality objective
EPA	Environmental Protection Agency (U.S.)
GC	gas chromatography
GC/MS	gas chromatography/mass spectrometry
GFAA	graphite furnace atomic absorption
GFPC	gas-flow proportional counter
GW	groundwater
HH OO	Human Health—Organism Only (NMWQCC standard)
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HPLC	high-pressure liquid chromatography
ICAL	initial calibration
ICPAES	inductively coupled plasma atomic (optical) emission spectroscopy
ICV	initial calibration verification
IDL	instrument detection limit

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
IS	internal standard
LAL	lower acceptance limit
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
LLEE	low-level electrolytic extraction
LOC	level of chlorination
LSC	liquid scintillation counting
Lvl	level
MCL	maximum contaminant level (EPA)
MDA	minimum detectable activity
MDC	minimum detectable concentration
MDL	method detection limit
MNX	mononitroso-RDX (or hexahydro-1-nitroso-3,5-dinitro-1,3,5-triazine)
MS	matrix spike
MSD	matrix spike duplicate
NM	New Mexico
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
OPR	ongoing precision recovery
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzo-p-dioxin
PCDF	polychlorinated dibenzofuran
PQL	practical quantitation limit
Prelim	preliminary
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RF	response factor
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RRT	relative retention time
RT	retention time
Scr	screening
SDG	sample delivery group
SMO	Sample Management Office
SSC	suspended sediment concentration
SU	standard unit
TCDD	tetrachlorodibenzo-p-dioxin

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
TCDF	tetrachlorodibenzofuran
TDS	total dissolved solids
TPH-DRO	total petroleum hydrocarbons—diesel range organics
TNX	trinitroso-RDX (or hexahydro-1,3,5-trinitroso-1,3,5-triazine)
TPU	total propagated uncertainty
UAL	upper acceptance limit
Field Matrix Codes	
W	water
WG	groundwater
WM	snowmelt
WP	persistent flow
WS	base flow
WT	storm runoff
Field Prep Codes	
F	filtered
UF	unfiltered
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
INIT	initial
RE	reanalysis
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate
Field QC Type Codes	
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
FR	field rinsate
FS	field split
FTB	field trip blank
FTR	field triplicate
INB	equipment blank taken during installation and not associated with a sampling event
ITB	trip blank taken during installation and not associated with a sampling event
NA	not applicable
PEB	performance evaluation blank

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Field QC Type Codes (continued)	
PEK	performance evaluation known
REG	regular
RES	resample
SS	special sampling event, data unique
SS-EQB	equipment blank of special sampling event, data unique
SS-FB	field blank of special sampling event, data unique
SS-FD	field duplicate of special sampling event, data unique
SS-FTB	field trip blank of special sampling event, data unique
Analytical Suite Codes	
DIOX/FUR, Diox/Fur	dioxins and furans
DRO	diesel range organics
Geninorg, GENINORG, General Chemistry	general inorganics
GRO	gasoline range organics
HERB	herbicides
HEXP	high explosives
INORGANIC	inorganics
ISOTOPE, Isotope	isotope ratios
LCMS/MS	liquid chromatography mass spectrometry/mass spectrometry
METALS, Metals	metals
PEST/PCB, PESTPCB	pesticides and PCBs
RAD, Rad	radiochemistry
SVOC, SVOA	semivolatile organic compounds
VOC, VOA	volatile organic compounds
Detect Flag and Best Value Flag Codes	
N	no
Y	yes
Lab Codes	
ALTC	Alta Analytical Laboratory, Inc., San Diego, CA
ARSL	American Radiation Services, Inc.
CFA	Cape Fear Analytical, LLC, Wilmington, NC
C-INC	Isotope and Nuclear Chemistry Division (LANL)
COAST	Coastal Science Laboratories, Austin, TX
CST	Chemical Sciences and Technology Division (LANL)
EES6	Hydrology, Geochemistry, and Geology Group (LANL)
ESE	Environmental Sciences & Engineering, Inc., Gainesville, FL
FLD	measurement taken in field
GEL	General Engineering Laboratories, Inc.

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Lab Codes (continued)	
GELC	General Engineering Laboratories, Inc., Charleston, SC
GEO	Geochron Laboratories, Boston, MA
HENV	Health and Environmental Laboratory (Johnson Controls, Northern New Mexico)
HUFFMAN	Huffman Laboratories, Inc., Golden, CO
KA	KEMRON Environmental Services, Inc., Vienna, VA
LVLI	Lionville Laboratory, Inc., Philadelphia, PA
PARA	Paragon Analytics, Inc., Salt Lake City, UT
PEC	Pacific Ecorisk Laboratories, Fairfield, CA
QESL	Quanterra Environmental Services, St. Louis, MO
QST	QST Environmental, Newberry, FL
RECRAP	RECRA Labnet, Lionville, PA
RFWC	Roy F. Weston, Inc., West Chester, PA
SGSW	Paradigm Analytical Laboratories, Inc., Wilmington, NC
SILENS	Stable Isotope Laboratory, Woods Hole, MA
STL2, STR	Severn Trent Laboratories, Inc., Richland, WA (historical)
STLA	Severn Trent Laboratories, Inc., Los Angeles, CA
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
SwRI	Southwest Research Institute, San Antonio, TX
UAZ	University of Arizona, Tucson
UIL	University of Illinois, Urbana-Champaign
UMTL	University of Miami Tritium Lab

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

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Secondary Validation Flag Codes

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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.41	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106115	UIL
MCOI-5	689.04	11/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.6	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90224	UIL
MCOI-5	689.04	01/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	2.4	—	—	—	%	Y	—	NQ	10-3591	CAMO-10-9737	UIL
MCOI-5	689.04	11/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	2.06	—	—	—	%	Y	—	NQ	10-1028	CAMO-10-3898	UIL
MCOI-5	689.04	08/06/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.5	—	—	—	%	Y	—	NQ	09-3060	CAMO-09-9531	UIL
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.7584	—	—	—	permil	Y	—	NQ	2016-345	CAMO-16-106115	EES6
MCOI-5	689.04	11/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.99789	—	—	—	permil	Y	—	NQ	2015-368	CAMO-15-90224	EES6
MCOI-5	689.04	07/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.56852	—	—	—	permil	N	—	NQ	10-3602	CAMO-10-22834	EES6
MCOI-5	689.04	01/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.23	—	—	—	permil	N	—	NQ	10-1412	CAMO-10-9316	EES6
MCOI-5	689.04	08/06/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	N	4.1	—	—	0.001	permil	N	U	U	09-2809	CAMO-09-9531	EES6
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	16.249	—	—	—	permil	Y	—	NQ	2016-345	CAMO-16-106115	EES6
MCOI-5	689.04	11/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	15.3266	—	—	—	permil	Y	—	NQ	2015-368	CAMO-15-90224	EES6
MCOI-5	689.04	07/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	14.1962	—	—	—	permil	N	—	NQ	10-3602	CAMO-10-22834	EES6
MCOI-5	689.04	01/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	15.6	—	—	—	permil	N	—	NQ	10-1412	CAMO-10-9316	EES6
MCOI-5	689.04	08/06/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	14.77	—	—	—	permil	N	—	NQ	09-2809	CAMO-09-9531	EES6
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.11	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106116	UIL
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.13	—	—	—	%	Y	—	NQ	2016-219	CAMO-15-102597	UIL
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.27	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95795	UIL
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.26	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95761	UIL
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.34	—	—	—	%	Y	—	NQ	2015-1059	CAMO-15-92475	UIL
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.36	—	—	—	%	Y	—	NQ	2015-1059	CAMO-15-92494	UIL
MCOI-6	686	11/07/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.36	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90189	UIL
MCOI-6	686	11/07/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.33	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90225	UIL
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	-19.706	—	—	—	permil	N	—	NQ	2016-291	CAMO-16-106116	EES6
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	-19.155	—	—	—	permil	Y	—	NQ	2016-291	CAMO-16-106116	EES6
MCOI-6	686	11/07/14	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	-19.77	—	—	—	permil	Y	—	NQ	2015-258	CAMO-15-90189	EES6
MCOI-6	686	11/07/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	-19.2407	—	—	—	permil	Y	—	NQ	2015-258	CAMO-15-90225	EES6
MCOI-6	686	11/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	-19.94	—	—	—	permil	Y	—	NQ	2014-2427	CAMO-14-45760	EES6
MCOI-6	686	07/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	-33.228	—	—	—	permil	N	—	NQ	10-3587	CAMO-10-22838	EES6
MCOI-6	686	01/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	-32.33	—	—	—	permil	N	—	NQ	10-1440	CAMO-10-9317	EES6
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	7.4807	—	—	—	permil	N	—	NQ	2016-291	CAMO-16-106116	EES6
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	8.3379	—	—	—	permil	Y	—	NQ	2016-291	CAMO-16-106116	EES6
MCOI-6	686	11/07/14	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	7.37081	—	—	—	permil	Y	—	NQ	2015-258	CAMO-15-90189	EES6
MCOI-6	686	11/07/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	8.06076	—	—	—	permil	Y	—	NQ	2015-258	CAMO-15-90225	EES6
MCOI-6	686	11/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	7.17	—	—	—	permil	Y	—	NQ	2014-2427	CAMO-14-45760	EES6
MCOI-6	686	07/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	5.35527	—	—	—	permil	N	—	NQ	10-3587	CAMO-10-22838	EES6
MCOI-6	686	01/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	8.46	—	—	—	permil	N	—	NQ	10-1440	CAMO-10-9317	EES6
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.25	—	—	—	%	Y	—	NQ	2016-583	CASA-16-106253	UIL
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.28	—	—	—	%	Y	—	NQ	2015-1491	CASA-15-95827	UIL
R-11	855	11/19/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.19	—	—	—	%	Y	—	NQ	2015-562	CASA-15-90257	UIL
R-11	855	04/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.21	—	—	—	%	Y	—	NQ	09-1858	CASA-09-8275	UIL
R-11	855	11/05/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.34	—	—	—	%	Y	—	NQ	09-323	CASA-09-883	UIL
R-11	855	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.7253	—	—	—	permil	Y	—	NQ	2016-308	CASA-16-106253	EES6
R-11	855	11/19/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.33271	—	—	—	permil	Y	—	NQ	2015-387	CASA-15-90257	EES6
R-11	855	07/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.92233	—	—	—	permil	N	—	NQ	10-3623	CASA-10-22658	EES6
R-11	855	08/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.24	—	—	0.01	permil	N	—	NQ	09-2824	CASA-09-10364	EES6
R-11	855	08/11/08	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.02	0.27	—	—	permil	Y	—	NQ	08-1647	CASA-08-14383	SILENS
R-11	855	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	2.1399	—	—	—	permil	Y	—	NQ	2016-308	CASA-16-106253	EES6
R-11	855	11/19/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.47662	—	—	—	permil	Y	—	NQ	2015-387	CASA-15-90257	EES6
R-11	855	07/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.67026	—	—	—	permil	N	—	NQ	10-3623	CASA-10-22658	EES6
R-11	855	08/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.67	—	—	—	permil	N	—	NQ	09-2824	CASA-09-10364	EES6
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.07	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106118	UIL
R-13	958.33	11/19/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.15	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90227	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-13	958.33	04/30/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.15	—	—	—	%	Y	—	NQ	09-1857	CAMO-09-8179	UIL
R-13	958.33	04/30/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.13	—	—	—	%	Y	—	NQ	09-1857	CAMO-09-8182	UIL
R-13	958.33	11/10/08	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.18	—	—	—	%	Y	—	NQ	09-324	CAMO-09-813	UIL
R-13	958.33	11/10/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.09	—	—	—	%	Y	—	NQ	09-324	CAMO-09-810	UIL
R-13	958.33	08/14/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.84	—	—	0.1	%	Y	—	NQ	08-1741	CAMO-08-14534	UIL
R-13	958.33	08/14/08	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.92	—	—	0.1	%	Y	—	NQ	08-1741	CAMO-08-14535	UIL
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.4789	—	—	—	permil	Y	—	NQ	2016-306	CAMO-16-106118	EES6
R-13	958.33	11/19/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.06598	—	—	—	permil	Y	—	NQ	2015-388	CAMO-15-90227	EES6
R-13	958.33	07/13/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.89	—	—	—	permil	N	—	NQ	10-3664	CAMO-10-22846	EES6
R-13	958.33	08/06/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	N	5.58	—	—	0.001	permil	N	U	U	09-2809	CAMO-09-9560	EES6
R-13	958.33	08/14/08	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.08	0.24	—	—	permil	Y	—	NQ	08-1686	CAMO-08-14534	SILENS
R-13	958.33	08/14/08	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.93	0.24	—	—	permil	Y	—	NQ	08-1686	CAMO-08-14535	SILENS
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.9294	—	—	—	permil	Y	—	NQ	2016-306	CAMO-16-106118	EES6
R-13	958.33	11/19/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.64977	—	—	—	permil	Y	—	NQ	2015-388	CAMO-15-90227	EES6
R-13	958.33	07/13/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.25719	—	—	—	permil	N	—	NQ	10-3664	CAMO-10-22846	EES6
R-13	958.33	08/06/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.59	—	—	—	permil	N	—	NQ	09-2809	CAMO-09-9560	EES6
R-13	958.33	08/14/08	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.55	—	—	—	permil	Y	—	NQ	08-1686	CAMO-08-14535	SILENS
R-13	958.33	08/14/08	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.6	—	—	—	permil	Y	—	NQ	08-1686	CAMO-08-14534	SILENS
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.86	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106120	UIL
R-15	958.6	11/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.02	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90228	UIL
R-15	958.6	08/15/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.97	—	—	0.1	%	Y	—	NQ	08-1741	CAMO-08-14540	UIL
R-15	958.6	05/20/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.03	—	—	0.1	%	Y	—	NQ	08-1271	CAMO-08-12752	UIL
R-15	958.6	02/25/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.02	—	—	0.1	%	Y	—	NQ	08-732	CAMO-08-10436	UIL
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.6604	—	—	—	permil	Y	—	NQ	2016-393	CAMO-16-106120	EES6
R-15	958.6	11/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.97424	—	—	—	permil	Y	—	NQ	2015-260	CAMO-15-90228	EES6
R-15	958.6	07/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.55725	—	—	—	permil	Y	—	NQ	10-3695	CAMO-10-22856	EES6
R-15	958.6	08/06/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	N	5.5	—	—	0.001	permil	N	U	U	09-2809	CAMO-09-9540	EES6
R-15	958.6	08/15/08	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.24	0.24	—	—	permil	N	—	NQ	08-1697	CAMO-08-14540	EES6
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	0.4954	—	—	—	permil	Y	—	NQ	2016-393	CAMO-16-106120	EES6
R-15	958.6	11/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.7639	—	—	—	permil	Y	—	NQ	2015-260	CAMO-15-90228	EES6
R-15	958.6	07/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.614	—	—	—	permil	N	—	NQ	10-3695	CAMO-10-22856	EES6
R-15	958.6	08/06/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.59	—	—	—	permil	N	—	NQ	09-2809	CAMO-09-9540	EES6
R-15	958.6	08/15/08	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	0.89	—	—	—	permil	N	—	NQ	08-1697	CAMO-08-14540	EES6
R-28	934.3	11/16/15	WG	F	REP	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.03	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106121	UIL
R-28	934.3	11/13/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.99	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90229	UIL
R-28	934.3	11/10/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.98	—	—	—	%	Y	—	NQ	11-745	CAMO-11-1272	UIL
R-28	934.3	05/01/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.12	—	—	—	%	Y	—	NQ	09-1857	CAMO-09-8178	UIL
R-28	934.3	11/10/08	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.13	—	—	—	%	Y	—	NQ	09-324	CAMO-09-809	UIL
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	11.331	—	—	—	permil	Y	—	NQ	2016-348	CAMO-16-106121	EES6
R-28	934.3	11/13/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	10.5877	—	—	—	permil	Y	—	NQ	2015-316	CAMO-15-90229	EES6
R-28	934.3	08/13/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	11.16	—	—	—	permil	N	—	NQ	09-2876	CAMO-09-9547	EES6
R-28	934.3	08/15/08	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	8.86	0.24	—	—	permil	N	—	NQ	08-1697	CAMO-08-14542	EES6
R-28	934.3	08/17/07	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	10.64	0.18	—	—	permil	N	—	NQ	19337	EF070800G28R01	EES6
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	1.3984	—	—	—	permil	Y	—	NQ	2016-348	CAMO-16-106121	EES6
R-28	934.3	11/13/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.23212	—	—	—	permil	Y	—	NQ	2015-316	CAMO-15-90229	EES6
R-28	934.3	07/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.575011	—	—	—	permil	N	—	NQ	10-3695	CAMO-10-22859	EES6
R-28	934.3	08/13/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.6	—	—	—	permil	N	—	NQ	09-2876	CAMO-09-9547	EES6
R-28	934.3	08/15/08	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.28	—	—	—	permil	N	—	NQ	08-1697	CAMO-08-14542	EES6
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.36	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106122	UIL
R-33 S1	995.5	05/06/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.28	—	—	—	%	Y	—	NQ	09-1857	CAMO-09-8199	UIL
R-33 S1	995.5	11/11/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.34	—	—	—	%	Y	—	NQ	09-324	CAMO-09-794	UIL
R-33 S1	995.5	03/13/07	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.79	—	—	0.1	%	Y	—	—	WG-06011	UF07020G33R101	UIL
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.2251	—	—	—	permil	Y	—	NQ	2016-332	CAMO-16-106122	EES6

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-33 S1	995.5	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.18674	—	—	—	permil	Y	—	NQ	2015-245	CAMO-15-90230	EES6
R-33 S1	995.5	07/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.0344	—	—	—	permil	N	—	NQ	10-3633	CAMO-10-22884	EES6
R-33 S1	995.5	05/12/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.47061	—	—	—	permil	N	—	NQ	10-3155	CAMO-10-16817	EES6
R-33 S1	995.5	01/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.47	—	—	—	permil	N	—	NQ	10-1500	CAMO-10-9363	EES6
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.7685	—	—	—	permil	Y	—	NQ	2016-332	CAMO-16-106122	EES6
R-33 S1	995.5	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.28045	—	—	—	permil	Y	—	NQ	2015-245	CAMO-15-90230	EES6
R-33 S1	995.5	07/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.396165	—	—	—	permil	N	—	NQ	10-3633	CAMO-10-22884	EES6
R-33 S1	995.5	01/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.18	—	—	—	permil	N	—	NQ	10-1500	CAMO-10-9363	EES6
R-33 S1	995.5	11/09/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.44	—	—	—	permil	N	—	NQ	10-474	CAMO-10-3195	EES6
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.25	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106123	UIL
R-33 S2	1112.4	11/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.34	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90231	UIL
R-33 S2	1112.4	05/05/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.39	—	—	—	%	Y	—	NQ	09-1857	CAMO-09-8203	UIL
R-33 S2	1112.4	11/11/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.32	—	—	—	%	Y	—	NQ	09-324	CAMO-09-795	UIL
R-33 S2	1112.4	03/13/07	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.36	—	—	0.1	%	Y	—	—	WG-06012	UF07020G33R201	UIL
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.0298	—	—	—	permil	Y	—	NQ	2016-332	CAMO-16-106123	EES6
R-33 S2	1112.4	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.26304	—	—	—	permil	Y	—	NQ	2015-245	CAMO-15-90231	EES6
R-33 S2	1112.4	07/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.04098	—	—	—	permil	N	—	NQ	10-3633	CAMO-10-22887	EES6
R-33 S2	1112.4	05/12/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.10695	—	—	—	permil	N	—	NQ	10-3155	CAMO-10-16820	EES6
R-33 S2	1112.4	01/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.89	—	—	—	permil	N	—	NQ	10-1500	CAMO-10-9365	EES6
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.6537	—	—	—	permil	Y	—	NQ	2016-332	CAMO-16-106123	EES6
R-33 S2	1112.4	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-4.4979	—	—	—	permil	Y	—	NQ	2015-245	CAMO-15-90231	EES6
R-33 S2	1112.4	07/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.7327	—	—	—	permil	N	—	NQ	10-3633	CAMO-10-22887	EES6
R-33 S2	1112.4	01/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.33	—	—	—	permil	N	—	NQ	10-1500	CAMO-10-9365	EES6
R-33 S2	1112.4	11/06/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-5.14	—	—	—	permil	N	—	NQ	10-474	CAMO-10-3213	EES6
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.91	—	—	—	%	Y	—	NQ	2016-583	CASA-16-106254	UIL
R-35a	1013.1	11/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.93	—	—	—	%	Y	—	NQ	2015-562	CASA-15-90258	UIL
R-35a	1013.1	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.86	—	—	—	%	Y	—	NQ	11-746	CASA-11-1372	UIL
R-35a	1013.1	02/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	2.1	—	—	—	%	Y	—	NQ	10-3592	CASA-10-9846	UIL
R-35a	1013.1	11/04/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	2.25	—	—	—	%	Y	—	NQ	10-1027	CASA-10-3895	UIL
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.7785	—	—	—	permil	Y	—	NQ	2016-295	CASA-16-106254	EES6
R-35a	1013.1	11/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.46046	—	—	—	permil	Y	—	NQ	2015-261	CASA-15-90258	EES6
R-35a	1013.1	07/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.86	—	—	—	permil	N	—	NQ	10-3608	CASA-10-22662	EES6
R-35a	1013.1	08/03/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	N	3.71	—	—	0.001	permil	N	U	U	09-2765	CASA-09-10390	EES6
R-35a	1013.1	04/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.77	—	—	0.01	permil	N	—	NQ	09-1640	CASA-09-8304	EES6
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.956	—	—	—	permil	Y	—	NQ	2016-295	CASA-16-106254	EES6
R-35a	1013.1	11/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.69805	—	—	—	permil	Y	—	NQ	2015-261	CASA-15-90258	EES6
R-35a	1013.1	07/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.92249	—	—	—	permil	N	—	NQ	10-3608	CASA-10-22662	EES6
R-35a	1013.1	08/03/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.83	—	—	—	permil	N	—	NQ	09-2765	CASA-09-10390	EES6
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.16	—	—	—	%	Y	—	NQ	2016-583	CASA-16-106255	UIL
R-35b	825.4	11/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.27	—	—	—	%	Y	—	NQ	2015-562	CASA-15-90259	UIL
R-35b	825.4	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.2	—	—	—	%	Y	—	NQ	11-746	CASA-11-1375	UIL
R-35b	825.4	04/27/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.49	—	—	—	%	Y	—	NQ	09-1858	CASA-09-8307	UIL
R-35b	825.4	02/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.48	—	—	—	%	Y	—	NQ	09-1115	CASA-09-3017	UIL
R-35b	825.4	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.6717	—	—	—	permil	Y	—	NQ	2016-290	CASA-16-106255	EES6
R-35b	825.4	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.18404	—	—	—	permil	Y	—	NQ	2015-246	CASA-15-90259	EES6
R-35b	825.4	07/13/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.8798	—	—	—	permil	N	—	NQ	10-3677	CASA-10-22664	EES6
R-35b	825.4	11/03/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.69	—	—	—	permil	N	—	NQ	10-334	CASA-10-3831	EES6
R-35b	825.4	08/04/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	N	4.27	—	—	0.001	permil	N	U	U	09-2776	CASA-09-10394	EES6
R-35b	825.4	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-4.5312	—	—	—	permil	Y	—	NQ	2016-290	CASA-16-106255	EES6
R-35b	825.4	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.94155	—	—	—	permil	Y	—	NQ	2015-246	CASA-15-90259	EES6
R-35b	825.4	07/13/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.83074	—	—	—	permil	N	—	NQ	10-3677	CASA-10-22664	EES6
R-35b	825.4	11/03/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3	—	—	—	permil	N	—	NQ	10-334	CASA-10-3831	EES6
R-35b	825.4	08/04/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.14	—	—	—	permil	N	—	NQ	09-2776	CASA-09-10394	EES6

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-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.08	—	—	—	%	Y	—	NQ	2016-583	CASA-16-106256	UIL
R-36	766.9	11/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.12	—	—	—	%	Y	—	NQ	2015-562	CASA-15-90260	UIL
R-36	766.9	04/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.19	—	—	—	%	Y	—	NQ	09-1858	CASA-09-8312	UIL
R-36	766.9	02/05/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.27	—	—	—	%	Y	—	NQ	09-1115	CASA-09-3024	UIL
R-36	766.9	11/06/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.16	—	—	—	%	Y	—	NQ	09-323	CASA-09-892	UIL
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	7.373	—	—	—	permil	Y	—	NQ	2016-360	CASA-16-106256	EES6
R-36	766.9	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.77121	—	—	—	permil	Y	—	NQ	2015-246	CASA-15-90260	EES6
R-36	766.9	07/12/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.64624	—	—	—	permil	N	—	NQ	10-3648	CASA-10-22703	EES6
R-36	766.9	05/12/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.81878	—	—	—	permil	N	—	NQ	10-3150	CASA-10-16792	EES6
R-36	766.9	02/04/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.08	—	—	—	permil	N	—	NQ	10-1641	CASA-10-9494	EES6
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	0.71539	—	—	—	permil	Y	—	NQ	2016-360	CASA-16-106256	EES6
R-36	766.9	11/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.73794	—	—	—	permil	Y	—	NQ	2015-246	CASA-15-90260	EES6
R-36	766.9	07/12/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.392801	—	—	—	permil	N	—	NQ	10-3648	CASA-10-22703	EES6
R-36	766.9	02/04/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.35	—	—	—	permil	N	—	NQ	10-1641	CASA-10-9494	EES6
R-36	766.9	08/05/09	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-5.73	—	—	—	permil	N	—	NQ	09-2788	CASA-09-10377	EES6
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.92	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106125	UIL
R-42	931.8	11/14/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.93	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90232	UIL
R-42	931.8	11/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.95	—	—	—	%	Y	—	NQ	2014-2771	CAMO-14-45765	UIL
R-42	931.8	11/10/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.96	—	—	—	%	Y	—	NQ	11-745	CAMO-11-1274	UIL
R-42	931.8	02/10/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.21	—	—	—	%	Y	—	NQ	10-3591	CAMO-10-9739	UIL
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	11.612	—	—	—	permil	Y	—	NQ	2016-348	CAMO-16-106125	EES6
R-42	931.8	11/14/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	10.4028	—	—	—	permil	Y	—	NQ	2015-324	CAMO-15-90232	EES6
R-42	931.8	11/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	10.13	—	—	—	permil	Y	—	NQ	2014-2415	CAMO-14-45765	EES6
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	10.66	—	—	—	permil	N	—	NQ	12-327	CAMO-12-1490	EES6
R-42	931.8	07/13/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	10.55	—	—	—	permil	N	—	NQ	10-3664	CAMO-10-22893	EES6
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	1.9992	—	—	—	permil	Y	—	NQ	2016-348	CAMO-16-106125	EES6
R-42	931.8	11/14/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	0.25732	—	—	—	permil	Y	—	NQ	2015-324	CAMO-15-90232	EES6
R-42	931.8	11/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.64	—	—	—	permil	Y	—	NQ	2014-2415	CAMO-14-45765	EES6
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	0.2	—	—	—	permil	N	—	NQ	12-327	CAMO-12-1490	EES6
R-42	931.8	07/13/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.732475	—	—	—	permil	N	—	NQ	10-3664	CAMO-10-22893	EES6
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.93	—	—	—	%	Y	—	NQ	2016-583	CASA-16-106257	UIL
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.73	—	—	—	%	Y	—	NQ	2016-217	CASA-15-102653	UIL
R-43 S1	903.9	05/15/15	WG	F	REP	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1	—	—	—	%	Y	—	NQ	2015-1491	CASA-15-95831	UIL
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.98	—	—	—	%	N	—	NQ	2015-1491	CASA-15-95831	UIL
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.87	—	—	—	%	Y	—	NQ	2015-1060	CASA-15-92522	UIL
R-43 S1	903.9	11/21/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.91	—	—	—	%	Y	—	NQ	2015-562	CASA-15-90261	UIL
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.4083	—	—	—	permil	Y	—	NQ	2016-369	CASA-16-106257	EES6
R-43 S1	903.9	11/21/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.86766	—	—	—	permil	Y	—	NQ	2015-412	CASA-15-90261	EES6
R-43 S1	903.9	11/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.23	—	—	—	permil	Y	—	NQ	2014-2513	CASA-14-45716	EES6
R-43 S1	903.9	11/07/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.14854	—	—	—	permil	Y	—	NQ	2013-290	CASA-13-24373	EES6
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.72978	—	—	—	permil	N	—	NQ	2013-290	CASA-13-24373	EES6
R-43 S1	903.9	05/22/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.07151	—	—	—	permil	Y	—	NQ	12-1313	CASA-12-14081	EES6
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.90428	—	—	—	permil	N	—	NQ	12-1313	CASA-12-14081	EES6
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.6045	—	—	—	permil	Y	—	NQ	2016-369	CASA-16-106257	EES6
R-43 S1	903.9	11/21/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.94764	—	—	—	permil	Y	—	NQ	2015-412	CASA-15-90261	EES6
R-43 S1	903.9	11/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.61	—	—	—	permil	Y	—	NQ	2014-2513	CASA-14-45716	EES6
R-43 S1	903.9	11/07/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	0.00532	—	—	—	permil	Y	—	NQ	2013-290	CASA-13-24373	EES6
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.54207	—	—	—	permil	N	—	NQ	2013-290	CASA-13-24373	EES6
R-43 S1	903.9	05/22/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.71037	—	—	—	permil	Y	—	NQ	12-1313	CASA-12-14081	EES6
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.8877	—	—	—	permil	N	—	NQ	12-1313	CASA-12-14081	EES6
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.44	—	—	—	%	Y	—	NQ	2016-583	CASA-16-106258	UIL
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.2	—	—	—	%	Y	—	NQ	2016-217	CASA-15-102654	UIL
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.48	—	—	—	%	Y	—	NQ	2015-1491	CASA-15-95832	UIL

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.47	—	—	—	%	Y	—	NQ	2015-1060	CASA-15-92523	UIL
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.41	—	—	—	%	Y	—	NQ	2015-1060	CASA-15-92510	UIL
R-43 S2	969.1	11/21/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.13	—	—	—	%	Y	—	NQ	2015-562	CASA-15-90262	UIL
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.8359	—	—	—	permil	Y	—	NQ	2016-369	CASA-16-106258	EES6
R-43 S2	969.1	11/21/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.49525	—	—	—	permil	Y	—	NQ	2015-412	CASA-15-90262	EES6
R-43 S2	969.1	11/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.42	—	—	—	permil	Y	—	NQ	2014-2513	CASA-14-45717	EES6
R-43 S2	969.1	11/07/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.89096	—	—	—	permil	Y	—	NQ	2013-290	CASA-13-24374	EES6
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.34035	—	—	—	permil	N	—	NQ	2013-290	CASA-13-24374	EES6
R-43 S2	969.1	05/22/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.72942	—	—	—	permil	Y	—	NQ	12-1313	CASA-12-14082	EES6
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.60146	—	—	—	permil	N	—	NQ	12-1313	CASA-12-14082	EES6
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.2643	—	—	—	permil	Y	—	NQ	2016-369	CASA-16-106258	EES6
R-43 S2	969.1	11/21/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.3282	—	—	—	permil	Y	—	NQ	2015-412	CASA-15-90262	EES6
R-43 S2	969.1	11/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.06	—	—	—	permil	Y	—	NQ	2014-2513	CASA-14-45717	EES6
R-43 S2	969.1	11/07/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.65568	—	—	—	permil	Y	—	NQ	2013-290	CASA-13-24374	EES6
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.78874	—	—	—	permil	N	—	NQ	2013-290	CASA-13-24374	EES6
R-43 S2	969.1	05/22/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.96715	—	—	—	permil	Y	—	NQ	12-1313	CASA-12-14082	EES6
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-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.88	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106126	UIL
R-44 S1	895	11/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.05	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90233	UIL
R-44 S1	895	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1	—	—	—	%	Y	—	NQ	11-745	CAMO-11-1275	UIL
R-44 S1	895	02/10/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	2.28	—	—	—	%	Y	—	NQ	10-3591	CAMO-10-9738	UIL
R-44 S1	895	11/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.2	—	—	—	%	Y	—	NQ	10-1026	CAMO-10-4774	UIL
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.2669	—	—	—	permil	Y	—	NQ	2016-332	CAMO-16-106126	EES6
R-44 S1	895	11/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.26889	—	—	—	permil	Y	—	NQ	2015-234	CAMO-15-90233	EES6
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.1	—	—	—	permil	N	—	NQ	12-375	CAMO-12-1498	EES6
R-44 S1	895	07/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.09409	—	—	—	permil	N	—	NQ	10-3700	CAMO-10-22864	EES6
R-44 S1	895	05/04/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.49425	—	—	—	permil	N	—	NQ	10-3021	CAMO-10-16841	EES6
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.1809	—	—	—	permil	Y	—	NQ	2016-332	CAMO-16-106126	EES6
R-44 S1	895	11/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.81032	—	—	—	permil	Y	—	NQ	2015-234	CAMO-15-90233	EES6
R-44 S1	895	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.05	—	—	—	permil	N	—	NQ	12-375	CAMO-12-1498	EES6
R-44 S1	895	07/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.6993	—	—	—	permil	N	—	NQ	10-3700	CAMO-10-22864	EES6
R-44 S1	895	05/04/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.727156	—	—	—	permil	N	—	NQ	10-3021	CAMO-10-16841	EES6
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.19	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106127	UIL
R-44 S2	985.3	11/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.16	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90234	UIL
R-44 S2	985.3	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.28	—	—	—	%	Y	—	NQ	11-745	CAMO-11-1277	UIL
R-44 S2	985.3	02/10/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.29	—	—	—	%	Y	—	NQ	10-3591	CAMO-10-9736	UIL
R-44 S2	985.3	11/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.23	—	—	—	%	Y	—	NQ	10-1026	CAMO-10-4772	UIL
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.1944	—	—	—	permil	Y	—	NQ	2016-332	CAMO-16-106127	EES6
R-44 S2	985.3	11/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.32429	—	—	—	permil	Y	—	NQ	2015-234	CAMO-15-90234	EES6
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.59	—	—	—	permil	N	—	NQ	12-375	CAMO-12-1501	EES6
R-44 S2	985.3	07/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.09484	—	—	—	permil	N	—	NQ	10-3700	CAMO-10-22869	EES6
R-44 S2	985.3	05/04/10	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	7.84739	—	—	—	permil	N	—	NQ	10-3021	CAMO-10-16846	EES6
R-44 S2	985.3	05/04/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	7.36104	—	—	—	permil	N	—	NQ	10-3021	CAMO-10-16844	EES6
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.696	—	—	—	permil	Y	—	NQ	2016-332	CAMO-16-106127	EES6
R-44 S2	985.3	11/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.86901	—	—	—	permil	Y	—	NQ	2015-234	CAMO-15-90234	EES6
R-44 S2	985.3	11/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.67	—	—	—	permil	N	—	NQ	12-375	CAMO-12-1501	EES6
R-44 S2	985.3	07/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.54868	—	—	—	permil	N	—	NQ	10-3700	CAMO-10-22869	EES6
R-44 S2	985.3	05/04/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.04124	—	—	—	permil	N	—	NQ	10-3021	CAMO-10-16844	EES6
R-44 S2	985.3	05/04/10	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.360506	—	—	—	permil	N	—	NQ	10-3021	CAMO-10-16846	EES6
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.01	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106128	UIL
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.96	—	—	—	%	Y	—	NQ	2016-219	CAMO-15-102610	UIL
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.06	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95807	UIL
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.17	—	—	—	%	Y	—	NQ	2015-1059	CAMO-15-92503	UIL

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-45 S1	880	11/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.07	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90235	UIL
R-45 S1	880	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.0952	—	—	—	permil	Y	—	NQ	2016-309	CAMO-16-106128	EES6
R-45 S1	880	11/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.03962	—	—	—	permil	Y	—	NQ	2015-234	CAMO-15-90235	EES6
R-45 S1	880	11/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5	—	—	—	permil	Y	—	NQ	2014-2408	CAMO-14-45768	EES6
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.91	—	—	—	permil	N	—	NQ	12-360	CAMO-12-1492	EES6
R-45 S1	880	07/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.11433	—	—	—	permil	N	—	NQ	10-3564	CAMO-10-22876	EES6
R-45 S1	880	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	0.23098	—	—	—	permil	Y	—	NQ	2016-309	CAMO-16-106128	EES6
R-45 S1	880	11/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.52902	—	—	—	permil	Y	—	NQ	2015-234	CAMO-15-90235	EES6
R-45 S1	880	11/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.55	—	—	—	permil	Y	—	NQ	2014-2408	CAMO-14-45768	EES6
R-45 S1	880	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.69	—	—	—	permil	N	—	NQ	12-360	CAMO-12-1492	EES6
R-45 S1	880	07/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.362919	—	—	—	permil	N	—	NQ	10-3564	CAMO-10-22876	EES6
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.24	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106129	UIL
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.13	—	—	—	%	Y	—	NQ	2016-219	CAMO-15-102611	UIL
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.29	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95808	UIL
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.27	—	—	—	%	Y	—	NQ	2015-1059	CAMO-15-92504	UIL
R-45 S2	974.9	11/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.27	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90236	UIL
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.2962	—	—	—	permil	Y	—	NQ	2016-309	CAMO-16-106129	EES6
R-45 S2	974.9	11/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.54515	—	—	—	permil	Y	—	NQ	2015-234	CAMO-15-90236	EES6
R-45 S2	974.9	11/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.93	—	—	—	permil	Y	—	NQ	2014-2408	CAMO-14-45769	EES6
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.81	—	—	—	permil	N	—	NQ	12-360	CAMO-12-1496	EES6
R-45 S2	974.9	07/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.83133	—	—	—	permil	N	—	NQ	10-3564	CAMO-10-22873	EES6
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.1532	—	—	—	permil	Y	—	NQ	2016-309	CAMO-16-106129	EES6
R-45 S2	974.9	11/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-5.91442	—	—	—	permil	Y	—	NQ	2015-234	CAMO-15-90236	EES6
R-45 S2	974.9	11/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.92	—	—	—	permil	Y	—	NQ	2014-2408	CAMO-14-45769	EES6
R-45 S2	974.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.1	—	—	—	permil	N	—	NQ	12-360	CAMO-12-1496	EES6
R-45 S2	974.9	07/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.61627	—	—	—	permil	N	—	NQ	10-3564	CAMO-10-22873	EES6
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.97	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106071	UIL
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.03	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106131	UIL
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.9	—	—	—	%	Y	—	NQ	2016-219	CAMO-15-102612	UIL
R-50 S1	1077	05/08/15	WG	F	REP	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.04	—	—	—	%	N	—	NQ	2015-1492	CAMO-15-95810	UIL
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.07	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95810	UIL
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.98	—	—	—	%	Y	—	NQ	2015-1059	CAMO-15-92505	UIL
R-50 S1	1077	11/14/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.99	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90237	UIL
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.9965	—	—	—	permil	Y	—	NQ	2016-296	CAMO-16-106071	EES6
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.7233	—	—	—	permil	Y	—	NQ	2016-296	CAMO-16-106131	EES6
R-50 S1	1077	11/14/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	7.23768	—	—	—	permil	Y	—	NQ	2015-324	CAMO-15-90237	EES6
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	7.23	—	—	—	permil	N	—	NQ	12-385	CAMO-12-1504	EES6
R-50 S1	1077	11/16/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	7.62133	—	—	—	permil	N	—	NQ	11-559	CAMO-11-1313	EES6
R-50 S1	1077	07/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	5.54967	—	—	—	permil	N	—	NQ	10-3559	CAMO-10-22904	EES6
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.15461	—	—	—	permil	Y	—	NQ	2016-296	CAMO-16-106071	EES6
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.2431	—	—	—	permil	Y	—	NQ	2016-296	CAMO-16-106131	EES6
R-50 S1	1077	11/14/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.01375	—	—	—	permil	Y	—	NQ	2015-324	CAMO-15-90237	EES6
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.17	—	—	—	permil	N	—	NQ	12-385	CAMO-12-1504	EES6
R-50 S1	1077	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.268438	—	—	—	permil	N	—	NQ	11-2543	CAMO-11-10719	EES6
R-50 S1	1077	11/16/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.688426	—	—	—	permil	N	—	NQ	11-559	CAMO-11-1313	EES6
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.1	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106132	UIL
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.9	—	—	—	%	Y	—	NQ	2016-219	CAMO-15-102613	UIL
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.15	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95811	UIL
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.2	—	—	—	%	Y	—	NQ	2015-1059	CAMO-15-92506	UIL
R-50 S2	1185	11/13/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.21	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90238	UIL
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.8244	—	—	—	permil	Y	—	NQ	2016-296	CAMO-16-106132	EES6
R-50 S2	1185	11/13/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.33792	—	—	—	permil	Y	—	NQ	2015-316	CAMO-15-90238	EES6
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.58	—	—	—	permil	N	—	NQ	12-438	CAMO-12-1808	EES6

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	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.99	—	—	—	permil	N	—	NQ	12-410	CAMO-12-1508	EES6
R-50 S2	1185	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	3.94629	—	—	—	permil	N	—	NQ	11-2523	CAMO-11-10727	EES6
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.3996	—	—	—	permil	Y	—	NQ	2016-296	CAMO-16-106132	EES6
R-50 S2	1185	11/13/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.50387	—	—	—	permil	Y	—	NQ	2015-316	CAMO-15-90238	EES6
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3	—	—	—	permil	N	—	NQ	12-438	CAMO-12-1808	EES6
R-50 S2	1185	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.78601	—	—	—	permil	N	—	NQ	11-2523	CAMO-11-10727	EES6
R-50 S2	1185	11/16/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.85458	—	—	—	permil	N	—	NQ	11-559	CAMO-11-1315	EES6
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.01	—	—	—	%	Y	—	NQ	2016-584	CAMO-16-106135	UIL
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.02	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95814	UIL
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.01	—	—	—	%	Y	—	NQ	2015-1492	CAMO-15-95762	UIL
R-62	1158.4	11/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.02	—	—	—	%	Y	—	NQ	2015-560	CAMO-15-90240	UIL
R-62	1158.4	06/26/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.95	—	—	—	%	Y	—	NQ	2014-4431	CAMO-14-83984	UIL
R-62	1158.4	11/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.95	—	—	—	%	Y	—	NQ	2014-2771	CAMO-14-45727	UIL
R-62	1158.4	11/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	0.95	—	—	—	%	Y	—	NQ	2014-2771	CAMO-14-45774	UIL
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	9.6215	—	—	—	permil	Y	—	NQ	2016-380	CAMO-16-106135	EES6
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	8.1285	—	—	1	permil	Y	—	NQ	2015-1188	CAMO-15-95762	EES6
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	8.3173	—	—	1	permil	Y	—	NQ	2015-1188	CAMO-15-95814	EES6
R-62	1158.4	11/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	8.13432	—	—	—	permil	Y	—	NQ	2015-349	CAMO-15-90240	EES6
R-62	1158.4	11/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	9.38	—	—	—	permil	Y	—	NQ	2014-2447	CAMO-14-45727	EES6
R-62	1158.4	11/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	9.55	—	—	—	permil	Y	—	NQ	2014-2447	CAMO-14-45774	EES6
R-62	1158.4	11/08/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	9.67763	—	—	—	permil	Y	—	NQ	2013-301	CAMO-13-24370	EES6
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	9.45335	—	—	—	permil	N	—	NQ	2013-301	CAMO-13-24370	EES6
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-0.67992	—	—	—	permil	Y	—	NQ	2016-380	CAMO-16-106135	EES6
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.1129	—	—	1	permil	Y	—	NQ	2015-1188	CAMO-15-95762	EES6
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.7982	—	—	1	permil	Y	—	NQ	2015-1188	CAMO-15-95814	EES6
R-62	1158.4	11/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.60706	—	—	—	permil	Y	—	NQ	2015-349	CAMO-15-90240	EES6
R-62	1158.4	11/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.18	—	—	—	permil	Y	—	NQ	2014-2447	CAMO-14-45727	EES6
R-62	1158.4	11/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-2.15	—	—	—	permil	Y	—	NQ	2014-2447	CAMO-14-45774	EES6
R-62	1158.4	11/08/12	WG	F	REP	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.39111	—	—	—	permil	Y	—	NQ	2013-301	CAMO-13-24370	EES6
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.73322	—	—	—	permil	N	—	NQ	2013-301	CAMO-13-24370	EES6
R-67	1242.6	12/03/15	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	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.9	—	—	0.725	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.014	0.00838	0.0469	—	pCi/L	Y	U	U	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.82	—	—	1.7	µg/L	Y	J	J	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.4	—	—	1	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.621	1.24	4.18	—	pCi/L	Y	U	U	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.31	—	—	0.067	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.11	—	—	2	µg/L	Y	J	J	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	2.01	—	—	—	%	Y	—	NQ	2016-585	CASA-16-106065	UIL
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0597	1.5	5.57	—	pCi/L	Y	U	U	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	3.9	—	—	3	µg/L	Y	J	J	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.106	—	—	0.033	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.44	0.882	2.9	—	pCi/L	Y	U	U	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.92	0.697	2.05	—	pCi/L	Y	—	NQ	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.8	—	—	0.453	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.96	—	—	0.11	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	33.5	—	—	2	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.87	—	—	0.165	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.93	2.39	8.74	—	pCi/L	Y	U	U	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.687	—	—	0.5	µg/L	Y	J	J	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.385	—	—	0.017	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	6.4682	—	—	—	permil	Y	—	NQ	2016-459	CASA-16-106065	EES6

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-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-1.9965	—	—	—	permil	Y	—	NQ	2016-459	CASA-16-106065	EES6
R-67	1242.6	12/03/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.35	—	—	0.05	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0133	0.0103	0.0526	—	pCi/L	Y	U	U	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00392	0.00913	0.0455	—	pCi/L	Y	U	U	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.86	—	—	0.05	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.65	20.7	35.6	—	pCi/L	Y	U	U	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.2	—	—	0.053	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.6	—	—	0.1	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.26	1.11	3.43	—	pCi/L	Y	U	U	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	1	µS/cm	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	75.5	—	—	1	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0588	0.137	0.495	—	pCi/L	Y	U	U	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.6	—	—	0.133	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	157	—	—	3.4	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.412	—	—	0.33	mg/L	Y	J	J	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0273	—	—	0.017	mg/L	Y	J	J	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.151	0.675	2.308	—	pCi/L	Y	U	U	2016-504	CASA-16-106063	ARSL
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.41	—	—	0.067	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.3	0.0584	0.1	—	pCi/L	Y	—	NQ	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0383	0.0128	0.0686	—	pCi/L	Y	U	U	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.56	0.0384	0.0861	—	pCi/L	Y	—	NQ	2016-457	CASA-16-106063	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.76	—	—	1	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.75	—	—	3.3	µg/L	Y	J	J	2016-457	CASA-16-106065	GELC
SCI-2	548	11/13/15	WG	F	REP	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.13	—	—	—	%	N	—	NQ	2016-583	CASA-16-106261	UIL
SCI-2	548	11/13/15	WG	F	REP	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.12	—	—	—	%	Y	—	NQ	2016-583	CASA-16-106222	UIL
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.17	—	—	—	%	Y	—	NQ	2016-583	CASA-16-106261	UIL
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.11	—	—	—	%	N	—	NQ	2016-583	CASA-16-106222	UIL
SCI-2	548	11/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.15	—	—	—	%	Y	—	NQ	2015-562	CASA-15-90264	UIL
SCI-2	548	11/16/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.07	—	—	—	%	Y	—	NQ	11-746	CASA-11-1362	UIL
SCI-2	548	02/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.15	—	—	—	%	Y	—	NQ	10-3592	CASA-10-12690	UIL
SCI-2	548	11/17/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.1	—	—	—	%	Y	—	NQ	10-1027	CASA-10-3894	UIL
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	14.646	—	—	—	permil	Y	—	NQ	2016-331	CASA-16-106222	EES6
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	13.924	—	—	—	permil	Y	—	NQ	2016-331	CASA-16-106261	EES6
SCI-2	548	11/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	14.9111	—	—	—	permil	Y	—	NQ	2015-292	CASA-15-90264	EES6
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	13.01	—	—	—	permil	N	—	NQ	12-330	CASA-12-1378	EES6
SCI-2	548	07/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	11.3928	—	—	—	permil	N	—	NQ	10-3715	CASA-10-22651	EES6
SCI-2	548	05/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	11.9992	—	—	—	permil	N	—	NQ	10-3101	CASA-10-16761	EES6
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	2.0747	—	—	—	permil	Y	—	NQ	2016-331	CASA-16-106222	EES6
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	2.8529	—	—	—	permil	Y	—	NQ	2016-331	CASA-16-106261	EES6
SCI-2	548	11/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	1.35411	—	—	—	permil	Y	—	NQ	2015-292	CASA-15-90264	EES6
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	1.27	—	—	—	permil	N	—	NQ	12-330	CASA-12-1378	EES6
SCI-2	548	07/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	3.42077	—	—	—	permil	N	—	NQ	10-3715	CASA-10-22651	EES6
SCI-2	548	05/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	0.172702	—	—	—	permil	N	—	NQ	10-3101	CASA-10-16761	EES6
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.11	—	—	—	%	Y	—	NQ	2016-583	CASA-16-106223	UIL
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.1	—	—	—	%	Y	—	NQ	2016-583	CASA-16-106262	UIL
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium-53/52	Cr-53/52	Y	1.08	—	—	—	%	Y	—	NQ	2016-585	CASA-16-106066	UIL
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.4989	—	—	—	permil	Y	—	NQ	2016-408	CASA-16-106223	EES6
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.1662	—	—	—	permil	Y	—	NQ	2016-408	CASA-16-106262	EES6
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	4.9223	—	—	—	permil	Y	—	NQ	2016-137	CASA-16-106066	EES6
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.9979	—	—	—	permil	Y	—	NQ	2016-408	CASA-16-106223	EES6
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.5584	—	—	—	permil	Y	—	NQ	2016-408	CASA-16-106262	EES6
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	-3.2688	—	—	—	permil	Y	—	NQ	2016-137	CASA-16-106066	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.71	—	—	0.01	SU	Y	H	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.72	—	—	0.01	SU	Y	H	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.42	—	—	0.01	SU	Y	H	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.42	—	—	0.01	SU	Y	H	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.64	—	—	0.01	SU	Y	H	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	—	—	0.01	SU	Y	H	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	5.38	—	—	0.725	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	5.38	—	—	0.725	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	5.06	—	—	0.725	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.29	—	—	0.725	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2	—	—	0.725	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.4	—	—	0.725	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.9	—	—	0.725	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.1	—	—	0.725	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56	—	—	0.725	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56	—	—	0.725	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.8	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.9	—	—	1	µg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18	—	—	1	µg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	15.9	—	—	1	µg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.8	—	—	1	µg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.2	—	—	15	µg/L	Y	J	J	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	22.4	—	—	15	µg/L	Y	J	J	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.6	—	—	15	µg/L	Y	J	J	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.9	—	—	15	µg/L	Y	J	J	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.8	—	—	15	µg/L	Y	J	J	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	21.7	—	—	15	µg/L	Y	J	J	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.147	—	—	0.067	mg/L	Y	J	J	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.149	—	—	0.067	mg/L	Y	J	J	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.13	—	—	0.067	mg/L	Y	J	J	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.139	—	—	0.067	mg/L	Y	J	J	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.127	—	—	0.067	mg/L	Y	J	J	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.137	—	—	0.067	mg/L	Y	J	J	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.2	—	—	0.05	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.9	—	—	0.05	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.9	—	—	0.05	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23	—	—	0.05	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.6	—	—	0.05	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.41	—	—	0.134	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.33	—	—	0.134	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.28	—	—	0.067	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.29	—	—	0.067	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.58	—	—	0.067	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.79	—	—	0.067	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.28	—	—	2	µg/L	Y	J	J	2016-699	CAMO-16-110033	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.23	—	—	2	µg/L	Y	J	J	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.21	—	—	2	µg/L	Y	J	J	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.48	—	—	2	µg/L	Y	J	J	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.53	—	—	2	µg/L	Y	J	J	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.57	—	—	2	µg/L	Y	J	J	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.165	—	—	0.033	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.166	—	—	0.033	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.169	—	—	0.033	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.197	—	—	0.033	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.18	—	—	0.033	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.168	—	—	0.033	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.3	—	—	0.453	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.1	—	—	0.453	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75	—	—	0.453	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.5	—	—	0.453	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	70.5	—	—	0.453	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	71.7	—	—	0.453	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.41	—	—	0.11	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.4	—	—	0.11	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.32	—	—	0.11	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.37	—	—	0.11	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.04	—	—	0.11	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.17	—	—	0.11	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2016-699	CAMO-16-110015	GELC
MCOI-5	689.04	02/05/16	WG	UF	INIT	FD	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.075	—	—	0.067	µg/L	Y	J	J	2016-699	CAMO-16-110011	GELC
MCOI-5	689.04	11/16/15	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2016-351	CAMO-16-106094	GELC
MCOI-5	689.04	08/14/15	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-2166	CAMO-15-102572	GELC
MCOI-5	689.04	05/13/15	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	2	—	—	0.67	µg/L	Y	U	U	2015-1200	CAMO-15-95772	GELC
MCOI-5	689.04	02/20/15	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-808	CAMO-15-92477	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.49	—	—	0.165	µg/L	Y	—	J	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.38	—	—	0.165	µg/L	Y	—	J	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.48	—	—	0.165	µg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.41	—	—	0.165	µg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.35	—	—	0.165	µg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.57	—	—	0.165	µg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.593	—	—	0.5	µg/L	Y	J	J	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.557	—	—	0.5	µg/L	Y	J	J	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.648	—	—	0.5	µg/L	Y	J	J	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.692	—	—	0.5	µg/L	Y	J	J	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.6	—	—	0.17	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.5	—	—	0.17	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.61	—	—	0.17	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.9	—	—	0.085	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.15	—	—	0.17	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.4	—	—	0.085	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	99.4	—	—	10	µg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	99.4	—	—	10	µg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	99.4	—	—	10	µg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	97	—	—	5	µg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	87.2	—	—	5	µg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	78.8	—	—	5	µg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.538	—	—	0.05	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	0.534	—	—	0.05	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.429	—	—	0.05	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.545	—	—	0.05	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.537	—	—	0.05	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.5	—	—	0.05	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.5	—	—	0.053	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.6	—	—	0.053	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.5	—	—	0.053	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.5	—	—	0.053	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65	—	—	0.053	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.4	—	—	0.053	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.5	—	—	0.1	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	249	—	—	1	µS/cm	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	246	—	—	1	µS/cm	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	236	—	—	1	µS/cm	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	2150	—	—	1	µS/cm	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	204	—	—	3.63	µS/cm	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	198	—	—	3.63	µS/cm	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	99.3	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	98.8	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.2	—	—	1	µg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	95.3	—	—	1	µg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	90.7	—	—	1	µg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	17	—	—	0.133	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.9	—	—	0.133	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.7	—	—	0.133	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16	—	—	0.133	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.5	—	—	0.133	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.9	—	—	0.133	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	193	—	—	3.4	mg/L	Y	—	NQ	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	NQ	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	—	3.4	mg/L	Y	—	NQ	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	3.4	mg/L	Y	—	NQ	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	106	—	—	3.4	mg/L	Y	—	NQ	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.346	—	—	0.33	mg/L	Y	J	J	2016-699	CAMO-16-110011	GELC
MCOI-5	689.04	02/05/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.355	—	—	0.33	mg/L	Y	J	J	2016-699	CAMO-16-110015	GELC
MCOI-5	689.04	11/16/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2016-351	CAMO-16-106094	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689.04	08/14/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.519	—	—	0.33	mg/L	Y	J	J	2015-2166	CAMO-15-102572	GELC
MCOI-5	689.04	05/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.387	—	—	0.33	mg/L	Y	J	J	2015-1200	CAMO-15-95772	GELC
MCOI-5	689.04	02/20/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.519	—	—	0.33	mg/L	Y	J	J	2015-808	CAMO-15-92477	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0337	—	—	0.017	mg/L	Y	J	J	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0384	—	—	0.017	mg/L	Y	J	J	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0625	—	—	0.017	mg/L	Y	—	NQ	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0424	—	—	0.017	mg/L	Y	J	J	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0603	—	—	0.017	mg/L	Y	—	U	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0695	—	—	0.017	mg/L	Y	—	U	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.159	—	—	0.067	µg/L	Y	J	J	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.146	—	—	0.067	µg/L	Y	J	J	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.14	—	—	0.067	µg/L	Y	J	J	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.159	—	—	0.067	µg/L	Y	J	J	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.138	—	—	0.067	µg/L	Y	J	J	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.142	—	—	0.067	µg/L	Y	J	J	2015-808	CAMO-15-92493	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.81	—	—	1	µg/L	Y	J	J	2016-699	CAMO-16-110033	GELC
MCOI-5	689.04	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.74	—	—	1	µg/L	Y	J	J	2016-699	CAMO-16-110013	GELC
MCOI-5	689.04	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.15	—	—	1	µg/L	Y	J	J	2016-351	CAMO-16-106115	GELC
MCOI-5	689.04	08/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.9	—	—	1	µg/L	Y	J	J	2015-2166	CAMO-15-102596	GELC
MCOI-5	689.04	05/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.01	—	—	1	µg/L	Y	J	J	2015-1200	CAMO-15-95794	GELC
MCOI-5	689.04	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.58	—	—	1	µg/L	Y	J	J	2015-808	CAMO-15-92493	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.68	—	—	0.01	SU	Y	H	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.31	—	—	0.01	SU	Y	H	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	H	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.42	—	—	0.01	SU	Y	H	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.44	—	—	0.01	SU	Y	H	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.72	—	—	0.01	SU	Y	H	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.69	—	—	0.01	SU	Y	H	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.5	—	—	0.725	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90	—	—	0.725	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	89.6	—	—	0.725	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.7	—	—	0.725	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.7	—	—	0.725	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	98.5	—	—	0.725	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97	—	—	0.725	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	40.3	—	—	1	µg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	43.6	—	—	1	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	40.3	—	—	1	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39.9	—	—	1	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	40.1	—	—	1	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39.2	—	—	1	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.8	—	—	1	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	52.5	—	—	15	µg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	55.9	—	—	15	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	56	—	—	15	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	52.2	—	—	15	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	52.9	—	—	15	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	45.3	—	—	15	µg/L	Y	J	J	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	46.8	—	—	15	µg/L	Y	J	J	2015-837	CAMO-15-92475	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.549	—	—	0.067	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.571	—	—	0.067	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.56	—	—	0.067	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.574	—	—	0.067	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.575	—	—	0.067	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.571	—	—	0.067	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.575	—	—	0.067	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	62.5	—	—	0.05	mg/L	Y	—	J+	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	67.3	—	—	0.05	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	64	—	—	0.05	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	63.3	—	—	0.05	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	64.4	—	—	0.05	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	58.8	—	—	0.05	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	59.7	—	—	0.05	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	55.5	—	—	0.67	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	56.3	—	—	0.67	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	58	—	—	0.67	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	57.8	—	—	0.67	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	57.7	—	—	0.67	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	57.4	—	—	0.67	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	57.7	—	—	0.67	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	78.8	—	—	2	µg/L	Y	—	J	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	75.4	—	—	2	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	74.7	—	—	2	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	74.7	—	—	2	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	74.7	—	—	2	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	74.1	—	—	2	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	75.1	—	—	2	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	5.79	—	—	3	µg/L	Y	J	J	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	8.68	—	—	3	µg/L	Y	J	J	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	3.81	—	—	3	µg/L	Y	J	J	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	4.88	—	—	3	µg/L	Y	J	J	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Copper	Cu	Y	4.67	—	—	3	µg/L	Y	J	J	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	5.76	—	—	3	µg/L	Y	J	J	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Copper	Cu	Y	5.68	—	—	3	µg/L	Y	J	J	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.486	—	—	0.033	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.551	—	—	0.033	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.513	—	—	0.033	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.517	—	—	0.033	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.518	—	—	0.033	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.525	—	—	0.033	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.529	—	—	0.033	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	209	—	—	0.453	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	225	—	—	0.453	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	213	—	—	0.453	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	212	—	—	0.453	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	215	—	—	0.453	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	197	—	—	0.453	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	200	—	—	0.453	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	12.9	—	—	0.11	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	13.8	—	—	0.11	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	12.9	—	—	0.11	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	13	—	—	0.11	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	13.1	—	—	0.11	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	12.3	—	—	0.11	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	12.4	—	—	0.11	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.8	—	—	2	µg/L	Y	J	J	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.27	—	—	2	µg/L	Y	J	J	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	3.86	—	—	2	µg/L	Y	J	J	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	4.04	—	—	2	µg/L	Y	J	J	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	Y	4.42	—	—	2	µg/L	Y	J	J	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	3.15	—	—	2	µg/L	Y	J	J	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.92	—	—	2	µg/L	Y	J	J	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.14	—	—	0.165	µg/L	Y	—	J	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.8	—	—	0.165	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.03	—	—	0.165	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.79	—	—	0.165	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.91	—	—	0.165	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.96	—	—	0.165	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.06	—	—	0.165	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	30.8	—	—	0.5	µg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	29.3	—	—	0.5	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	31.8	—	—	0.5	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	37.1	—	—	0.5	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	36.6	—	—	0.5	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	35.6	—	—	0.5	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	34.6	—	—	0.5	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.48	—	—	0.17	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	9.21	—	—	0.17	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.95	—	—	0.425	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.28	—	—	0.425	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.1	—	—	0.425	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.14	—	—	0.17	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.71	—	—	0.17	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	69.1	—	—	5	µg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	72.5	—	—	5	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	61.8	—	—	5	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	65.7	—	—	5	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	65.3	—	—	5	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	62.9	—	—	5	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	61.1	—	—	5	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.804	—	—	0.05	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.782	—	—	0.05	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.742	—	—	0.05	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.751	—	—	0.05	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	0.756	—	—	0.05	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.731	—	—	0.05	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	0.752	—	—	0.05	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	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	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.6	—	—	0.053	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67	—	—	0.053	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.2	—	—	0.053	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.7	—	—	0.053	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.8	—	—	0.053	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.6	—	—	0.053	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	26.8	—	—	0.1	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	26.5	—	—	0.1	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	27.3	—	—	0.1	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.1	—	—	0.1	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.9	—	—	0.1	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	28.9	—	—	0.1	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	29.4	—	—	0.1	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	634	—	—	1	µS/cm	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	599	—	—	1	µS/cm	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	547	—	—	3.63	µS/cm	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	544	—	—	3.63	µS/cm	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	537	—	—	3.63	µS/cm	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	541	—	—	3.63	µS/cm	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	543	—	—	3.63	µS/cm	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	306	—	—	1	µg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	270	—	—	1	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	297	—	—	1	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	256	—	—	1	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	271	—	—	1	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	306	—	—	1	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	311	—	—	1	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	56.7	—	—	1.33	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	57.5	—	—	1.33	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	71.4	—	—	0.133	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	59.7	—	—	1.33	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	60.1	—	—	1.33	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	59.2	—	—	1.33	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	59.6	—	—	1.33	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.63	—	—	2.5	µg/L	Y	J	J	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.35	—	—	2.5	µg/L	Y	J	J	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.24	—	—	2.5	µg/L	Y	J	J	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	100	—	—	25	µg/L	Y	U	U	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	N	100	—	—	25	µg/L	Y	U	U	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	410	—	—	3.4	mg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	441	—	—	3.4	mg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	396	—	—	3.4	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	456	—	—	3.4	mg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	383	—	—	3.4	mg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	451	—	—	3.4	mg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	409	—	—	3.4	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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	02/08/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.791	—	—	0.33	mg/L	Y	J	J	2016-702	CAMO-16-110016	GELC
MCOI-6	686	11/06/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.841	—	—	0.33	mg/L	Y	J	J	2016-286	CAMO-16-106095	GELC
MCOI-6	686	08/04/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.01	—	—	0.33	mg/L	Y	—	NQ	2015-2020	CAMO-15-102573	GELC
MCOI-6	686	05/05/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.878	—	—	0.33	mg/L	Y	J	J	2015-1158	CAMO-15-95758	GELC
MCOI-6	686	05/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.897	—	—	0.33	mg/L	Y	J	J	2015-1158	CAMO-15-95773	GELC
MCOI-6	686	02/26/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.26	—	—	0.33	mg/L	Y	—	NQ	2015-837	CAMO-15-92478	GELC
MCOI-6	686	02/26/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.33	—	—	0.33	mg/L	Y	—	NQ	2015-837	CAMO-15-92473	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.048	—	—	0.017	mg/L	Y	J	J	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0664	—	—	0.017	mg/L	Y	—	U	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0572	—	—	0.017	mg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.102	—	—	0.017	mg/L	Y	—	U	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0849	—	—	0.017	mg/L	Y	—	U	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0425	—	—	0.017	mg/L	Y	J	J	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0529	—	—	0.017	mg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.14	—	—	0.067	µg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.989	—	—	0.067	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.14	—	—	0.067	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.07	—	—	0.067	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.05	—	—	0.067	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.07	—	—	0.067	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.09	—	—	0.067	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.14	—	—	1	µg/L	Y	J	J	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.13	—	—	1	µg/L	Y	J	J	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.55	—	—	1	µg/L	Y	J	J	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.26	—	—	1	µg/L	Y	J	J	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.28	—	—	1	µg/L	Y	J	J	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.32	—	—	1	µg/L	Y	J	J	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.26	—	—	1	µg/L	Y	J	J	2015-837	CAMO-15-92475	GELC
MCOI-6	686	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	25.4	—	—	3.3	µg/L	Y	—	NQ	2016-702	CAMO-16-110034	GELC
MCOI-6	686	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	21	—	—	3.3	µg/L	Y	—	NQ	2016-286	CAMO-16-106116	GELC
MCOI-6	686	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	22	—	—	3.3	µg/L	Y	—	NQ	2015-2020	CAMO-15-102597	GELC
MCOI-6	686	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	20.7	—	—	3.3	µg/L	Y	—	NQ	2015-1158	CAMO-15-95795	GELC
MCOI-6	686	05/05/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	20.7	—	—	3.3	µg/L	Y	—	NQ	2015-1158	CAMO-15-95761	GELC
MCOI-6	686	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	26.7	—	—	3.3	µg/L	Y	—	NQ	2015-837	CAMO-15-92494	GELC
MCOI-6	686	02/26/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	26.8	—	—	3.3	µg/L	Y	—	NQ	2015-837	CAMO-15-92475	GELC
R-11	855	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.53	—	—	0.01	SU	Y	H	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	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	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.6	—	—	0.725	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.8	—	—	0.725	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.7	—	—	0.725	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.6	—	—	0.725	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.5	—	—	0.725	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39.8	—	—	1	µg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41.9	—	—	1	µg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	43.4	—	—	1	µg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41.1	—	—	1	µg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	40.1	—	—	1	µg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	31.4	—	—	15	µg/L	Y	J	J	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	28	—	—	15	µg/L	Y	J	J	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	32.1	—	—	15	µg/L	Y	J	J	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	30.1	—	—	15	µg/L	Y	J	J	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.5	—	—	15	µg/L	Y	J	J	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0887	—	—	0.067	mg/L	Y	J	J	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.108	—	—	0.067	mg/L	Y	J	J	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.086	—	—	0.067	mg/L	Y	J	J	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0885	—	—	0.067	mg/L	Y	J	J	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0946	—	—	0.067	mg/L	Y	J	J	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.2	—	—	0.05	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.3	—	—	0.05	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.5	—	—	0.05	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.1	—	—	0.05	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.6	—	—	0.05	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.69	—	—	0.067	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.78	—	—	0.067	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.15	—	—	0.067	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.51	—	—	0.067	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.32	—	—	0.067	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	22.6	—	—	2	µg/L	Y	—	J	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	20.9	—	—	2	µg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	20.8	—	—	2	µg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	21.1	—	—	2	µg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	24	—	—	2	µg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.355	—	—	0.033	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.382	—	—	0.033	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.387	—	—	0.033	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.374	—	—	0.033	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.382	—	—	0.033	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.7	—	—	0.453	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.3	—	—	0.453	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.6	—	—	0.453	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.4	—	—	0.453	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	82.4	—	—	0.453	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.35	—	—	0.11	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.57	—	—	0.11	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.92	—	—	0.11	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.49	—	—	0.11	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.33	—	—	0.11	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.068	—	—	0.067	µg/L	Y	J	J	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.079	—	—	0.067	µg/L	Y	J	U	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	2	—	—	0.67	µg/L	Y	U	U	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.71	—	—	0.165	µg/L	Y	—	J	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.165	µg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.68	—	—	0.165	µg/L	Y	—	J	2015-2090	CASA-15-102647	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.165	µg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.165	µg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.898	—	—	0.5	µg/L	Y	J	J	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.2	—	—	0.085	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.42	—	—	0.17	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.65	—	—	0.085	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.61	—	—	0.17	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.95	—	—	0.085	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.945	—	—	0.05	µg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.868	—	—	0.05	µg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.83	—	—	0.05	µg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.682	—	—	0.05	µg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.77	—	—	0.05	µg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.48	—	—	0.05	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.6	—	—	0.05	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.96	—	—	1.5	µg/L	Y	J	J	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.46	—	—	1.5	µg/L	Y	J	J	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.27	—	—	1.5	µg/L	Y	J	J	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.2	—	—	0.053	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.2	—	—	0.053	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.9	—	—	0.053	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.4	—	—	0.053	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.2	—	—	0.053	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13	—	—	0.1	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	250	—	—	1	µS/cm	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	244	—	—	1	µS/cm	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	213	—	—	3.63	µS/cm	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	218	—	—	3.63	µS/cm	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	213	—	—	3.63	µS/cm	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	99.3	—	—	1	µg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	86.5	—	—	1	µg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.7	—	—	1	µg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	100	—	—	1	µg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	87	—	—	1	µg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.5	—	—	0.133	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.7	—	—	0.133	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.1	—	—	0.133	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.4	—	—	0.133	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.8	—	—	0.133	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	2.73	—	—	2.5	µg/L	Y	J	J	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	2.73	—	—	2.5	µg/L	Y	J	J	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	181	—	—	3.4	mg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	206	—	—	3.4	mg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	204	—	—	3.4	mg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.789	—	—	0.067	µg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.728	—	—	0.067	µg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.687	—	—	0.067	µg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.583	—	—	0.067	µg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.796	—	—	0.067	µg/L	Y	—	J	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.04	—	—	1	µg/L	Y	—	NQ	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.09	—	—	1	µg/L	Y	—	NQ	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.35	—	—	1	µg/L	Y	—	NQ	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.17	—	—	1	µg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.04	—	—	1	µg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-11	855	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	8.39	—	—	3.3	µg/L	Y	J	J	2016-704	CASA-16-110063	GELC
R-11	855	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.36	—	—	3.3	µg/L	Y	J	J	2016-315	CASA-16-106253	GELC
R-11	855	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	7.9	—	—	3.3	µg/L	Y	J	J	2015-2090	CASA-15-102647	GELC
R-11	855	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.6	—	—	3.3	µg/L	Y	—	NQ	2015-1214	CASA-15-95827	GELC
R-11	855	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	11.9	—	—	3.3	µg/L	Y	—	NQ	2015-792	CASA-15-92518	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.42	—	—	0.01	SU	Y	H	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.2	—	—	0.01	SU	Y	H	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.15	—	—	0.01	SU	Y	H	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.8	—	—	0.725	mg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.7	—	—	0.725	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.7	—	—	0.725	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.3	—	—	0.725	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.5	—	—	0.725	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0746	—	—	0.017	mg/L	Y	—	J-	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0303	—	—	0.017	mg/L	Y	J	U	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.157	—	—	0.017	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.143	—	—	0.017	mg/L	Y	—	U	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0916	—	—	0.017	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.5	—	—	1	µg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	26.4	—	—	1	µg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	26.8	—	—	1	µg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.1	—	—	1	µg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.5	—	—	1	µg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.3	—	—	0.05	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.2	—	—	0.05	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14	—	—	0.05	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.5	—	—	0.05	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.39	—	—	0.067	mg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.42	—	—	0.067	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.43	—	—	0.067	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.49	—	—	0.067	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.41	—	—	0.067	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.232	—	—	0.033	mg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.268	—	—	0.033	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.265	—	—	0.033	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.26	—	—	0.033	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.239	—	—	0.033	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49	—	—	0.453	mg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.8	—	—	0.453	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.3	—	—	0.453	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.4	—	—	0.453	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.1	—	—	0.453	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.48	—	—	0.11	mg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.66	—	—	0.11	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.64	—	—	0.11	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.51	—	—	0.11	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.49	—	—	0.11	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.165	µg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.925	—	—	0.165	µg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.03	—	—	0.165	µg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.165	µg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.01	—	—	0.165	µg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.771	—	—	0.017	mg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.737	—	—	0.017	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.734	—	—	0.017	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.783	—	—	0.017	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.748	—	—	0.017	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.3	—	—	0.05	mg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.43	—	—	0.05	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.33	—	—	0.05	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.37	—	—	0.05	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.35	—	—	0.05	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.9	—	—	0.053	mg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.1	—	—	0.053	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.1	—	—	0.053	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.6	—	—	0.053	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.2	—	—	0.1	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.92	—	—	0.1	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.78	—	—	0.1	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	958.33	02/17/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	159	—	—	1	µS/cm	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	1	µS/cm	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	130	—	—	3.63	µS/cm	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49	—	—	1	µg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.4	—	—	1	µg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.5	—	—	1	µg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	48.8	—	—	1	µg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.6	—	—	1	µg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.16	—	—	0.133	mg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.16	—	—	0.133	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.12	—	—	0.133	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.28	—	—	0.133	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.28	—	—	0.133	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	671	—	—	3.4	mg/L	Y	—	J	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	3.4	mg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	100	—	—	3.4	mg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.441	—	—	0.33	mg/L	Y	J	J	2016-763	CAMO-16-110017	GELC
R-13	958.33	11/10/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2016-313	CAMO-16-106097	GELC
R-13	958.33	08/11/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.39	—	—	0.33	mg/L	Y	J	J	2015-2137	CAMO-15-102574	GELC
R-13	958.33	05/14/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.455	—	—	0.33	mg/L	Y	J	J	2015-1213	CAMO-15-95775	GELC
R-13	958.33	02/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.494	—	—	0.33	mg/L	Y	J	J	2015-794	CAMO-15-92479	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0489	—	—	0.017	mg/L	Y	J	J	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0251	—	—	0.017	mg/L	Y	J	U	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.031	—	—	0.017	mg/L	Y	J	J	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.04	—	—	0.017	mg/L	Y	J	U	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0469	—	—	0.017	mg/L	Y	J	U	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.41	—	—	0.067	µg/L	Y	—	NQ	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.434	—	—	0.067	µg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.425	—	—	0.067	µg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.367	—	—	0.067	µg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.409	—	—	0.067	µg/L	Y	—	NQ	2015-794	CAMO-15-92495	GELC
R-13	958.33	02/17/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.71	—	—	1	µg/L	Y	J	J	2016-763	CAMO-16-110035	GELC
R-13	958.33	11/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.01	—	—	1	µg/L	Y	—	NQ	2016-313	CAMO-16-106118	GELC
R-13	958.33	08/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5	—	—	1	µg/L	Y	—	NQ	2015-2137	CAMO-15-102598	GELC
R-13	958.33	05/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.09	—	—	1	µg/L	Y	—	NQ	2015-1213	CAMO-15-95797	GELC
R-13	958.33	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.82	—	—	1	µg/L	Y	J	J	2015-794	CAMO-15-92495	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.48	—	—	0.01	SU	Y	H	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.66	—	—	0.01	SU	Y	H	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	0.01	SU	Y	H	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.22	—	—	0.01	SU	Y	H	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.08	—	—	0.725	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-1147	CAMO-15-95799	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.5	—	—	0.725	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.3	—	—	0.725	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	54.3	—	—	0.725	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.5	—	—	0.725	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57	—	—	0.725	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0207	—	—	0.017	mg/L	Y	J	J	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.122	—	—	0.017	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.107	—	—	0.017	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.108	—	—	0.017	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.9	—	—	1	µg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29	—	—	1	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.5	—	—	1	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.3	—	—	1	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.8	—	—	1	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0792	—	—	0.067	mg/L	Y	J	J	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0743	—	—	0.067	mg/L	Y	J	J	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0771	—	—	0.067	mg/L	Y	J	J	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.5	—	—	0.05	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.1	—	—	0.05	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.4	—	—	0.05	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.2	—	—	0.05	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14	—	—	0.05	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.01	—	—	0.067	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.07	—	—	0.067	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.99	—	—	0.067	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.06	—	—	0.067	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.14	—	—	0.067	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	12.4	—	—	2	µg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	12.6	—	—	2	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	12.5	—	—	2	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	10.5	—	—	2	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	11.3	—	—	2	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.143	—	—	0.033	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.143	—	—	0.033	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.143	—	—	0.033	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.139	—	—	0.033	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.144	—	—	0.033	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52	—	—	0.453	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.5	—	—	0.453	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.1	—	—	0.453	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.2	—	—	0.453	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.5	—	—	0.453	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.86	—	—	0.11	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.93	—	—	0.11	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.92	—	—	0.11	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.69	—	—	0.11	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.8	—	—	0.11	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.068	—	—	0.067	µg/L	Y	J	J	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.01	—	—	0.165	µg/L	Y	—	J	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.916	—	—	0.165	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.925	—	—	0.165	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.918	—	—	0.165	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.934	—	—	0.165	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2	—	—	0.085	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.2	—	—	0.085	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.69	—	—	0.085	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.22	—	—	0.17	mg/L	Y	H	J-	2015-1147	CAMO-15-95799	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.31	—	—	0.085	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.32	—	—	0.085	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	8.67	—	—	0.5	µg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	9.05	—	—	1	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	8.93	—	—	0.5	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.71	—	—	0.5	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.22	—	—	0.5	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.73	—	—	0.05	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.71	—	—	0.05	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.85	—	—	0.05	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.7	—	—	0.053	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74	—	—	0.053	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.3	—	—	0.053	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.9	—	—	0.053	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10	—	—	0.1	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.16	—	—	0.1	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	1	µS/cm	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	145	—	—	3.63	µS/cm	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	3.63	µS/cm	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	3.63	µS/cm	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	147	—	—	3.63	µS/cm	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	61.5	—	—	1	µg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.2	—	—	1	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	63.8	—	—	1	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	64.3	—	—	1	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	66.9	—	—	1	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.49	—	—	0.133	mg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.56	—	—	0.133	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.22	—	—	0.133	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.31	—	—	0.133	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.58	—	—	0.133	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	Y	0.486	—	—	0.45	µg/L	Y	J	J	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	J	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	106	—	—	3.4	mg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0215	—	—	0.017	mg/L	Y	J	J	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.027	—	—	0.017	mg/L	Y	J	J	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.027	—	—	0.017	mg/L	Y	J	J	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0302	—	—	0.017	mg/L	Y	J	U	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.484	—	—	0.067	µg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.387	—	—	0.067	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.439	—	—	0.067	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.4	—	—	0.067	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.4	—	—	0.067	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-15	958.6	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.79	—	—	1	µg/L	Y	—	NQ	2016-697	CAMO-16-110036	GELC
R-15	958.6	11/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.41	—	—	1	µg/L	Y	—	NQ	2016-392	CAMO-16-106120	GELC
R-15	958.6	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.8	—	—	1	µg/L	Y	—	NQ	2015-2156	CAMO-15-102599	GELC
R-15	958.6	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.53	—	—	1	µg/L	Y	—	NQ	2015-1147	CAMO-15-95799	GELC
R-15	958.6	02/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.63	—	—	1	µg/L	Y	—	NQ	2015-794	CAMO-15-92496	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.69	—	—	0.01	SU	Y	H	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.89	—	—	0.01	SU	Y	H	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	—	0.01	SU	Y	H	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.4	—	—	0.725	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.3	—	—	0.725	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.7	—	—	0.725	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.8	—	—	0.725	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74	—	—	0.725	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	72.9	—	—	68	µg/L	Y	J	J	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.113	—	—	0.017	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0653	—	—	0.017	mg/L	Y	—	U	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.108	—	—	0.017	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0283	—	—	0.017	mg/L	Y	J	U	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0495	—	—	0.017	mg/L	Y	J	J	2015-834	CAMO-15-92497	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	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	71.2	—	—	1	µg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	68.9	—	—	1	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	75.2	—	—	1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	69.8	—	—	1	µg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	73	—	—	1	µg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25.3	—	—	15	µg/L	Y	J	J	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.3	—	—	15	µg/L	Y	J	J	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.5	—	—	15	µg/L	Y	J	J	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26	—	—	15	µg/L	Y	J	J	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.7	—	—	15	µg/L	Y	J	J	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.309	—	—	0.067	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.287	—	—	0.067	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.295	—	—	0.067	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.288	—	—	0.067	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.293	—	—	0.067	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	45.2	—	—	0.05	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	45.9	—	—	0.05	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	48.4	—	—	0.05	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	46.3	—	—	0.05	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	47.4	—	—	0.05	mg/L	Y	—	J-	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	35.8	—	—	0.67	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	36.3	—	—	0.67	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	38.5	—	—	0.67	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	37.3	—	—	0.67	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	36.4	—	—	0.67	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	404	—	—	2	µg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	407	—	—	2	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	407	—	—	2	µg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	393	—	—	2	µg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	422	—	—	2	µg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00363	—	—	0.00167	mg/L	Y	J	J-	2016-742	CAMO-16-110019	GELC
R-28	934.3	11/16/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00445	—	—	0.00167	mg/L	Y	J	J+	2016-350	CAMO-16-106100	GELC
R-28	934.3	08/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00457	—	—	0.00167	mg/L	Y	J	J	2015-2151	CAMO-15-102579	GELC
R-28	934.3	05/11/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00357	—	—	0.00167	mg/L	Y	J	J	2015-1184	CAMO-15-95778	GELC
R-28	934.3	02/25/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00488	—	—	0.00167	mg/L	Y	J	J	2015-834	CAMO-15-92481	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.242	—	—	0.033	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.261	—	—	0.033	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.261	—	—	0.033	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.264	—	—	0.033	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.276	—	—	0.033	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	161	—	—	0.453	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	163	—	—	0.453	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	172	—	—	0.453	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	164	—	—	0.453	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	168	—	—	0.453	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	11.7	—	—	0.11	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	11.7	—	—	0.11	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	12.5	—	—	0.11	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	11.8	—	—	0.11	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	11.9	—	—	0.11	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	14.1	—	—	0.5	µg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.2	—	—	0.5	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	14.9	—	—	0.5	µg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	13.4	—	—	0.5	µg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	12.9	—	—	0.5	µg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.02	—	—	0.085	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.97	—	—	0.17	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.53	—	—	0.17	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.02	—	—	0.085	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.21	—	—	0.085	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.978	—	—	0.05	µg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.09	—	—	0.1	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1	—	—	0.1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.988	—	—	0.05	µg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.962	—	—	0.05	µg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.92	—	—	0.05	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.76	—	—	0.05	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.89	—	—	0.05	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.86	—	—	0.05	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.5	—	—	0.053	mg/L	Y	—	J-	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.3	—	—	0.053	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.2	—	—	0.053	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.7	—	—	0.053	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.6	—	—	0.053	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.2	—	—	0.1	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.2	—	—	0.1	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17	—	—	0.1	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	473	—	—	1	µS/cm	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	439	—	—	1	µS/cm	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	401	—	—	3.63	µS/cm	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	396	—	—	3.63	µS/cm	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	419	—	—	3.63	µS/cm	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	172	—	—	1	µg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	166	—	—	1	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	199	—	—	1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	180	—	—	1	µg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	198	—	—	1	µg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	51.4	—	—	1.33	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	51.6	—	—	1.33	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	55.1	—	—	1.33	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	52.8	—	—	1.33	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	52.3	—	—	1.33	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.04	—	—	2.5	µg/L	Y	J	J	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.23	—	—	2.5	µg/L	Y	J	J	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.34	—	—	2.5	µg/L	Y	J	J	2015-2151	CAMO-15-102603	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	296	—	—	3.4	mg/L	Y	H	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	720	—	—	3.4	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	296	—	—	3.4	mg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	333	—	—	3.4	mg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	271	—	—	3.4	mg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	324	—	—	3.4	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0762	—	—	0.033	mg/L	Y	J	J	2016-742	CAMO-16-110019	GELC
R-28	934.3	11/16/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-350	CAMO-16-106100	GELC
R-28	934.3	08/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-2151	CAMO-15-102579	GELC
R-28	934.3	05/11/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-1184	CAMO-15-95778	GELC
R-28	934.3	02/25/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0994	—	—	0.033	mg/L	Y	J	J	2015-834	CAMO-15-92481	GELC
R-28	934.3	02/11/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.527	—	—	0.33	mg/L	Y	J	J	2016-742	CAMO-16-110019	GELC
R-28	934.3	11/16/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.463	—	—	0.33	mg/L	Y	J	J	2016-350	CAMO-16-106100	GELC
R-28	934.3	08/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.57	—	—	0.33	mg/L	Y	J	J	2015-2151	CAMO-15-102579	GELC
R-28	934.3	05/11/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.621	—	—	0.33	mg/L	Y	J	J	2015-1184	CAMO-15-95778	GELC
R-28	934.3	02/25/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.933	—	—	0.33	mg/L	Y	J	J	2015-834	CAMO-15-92481	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0536	—	—	0.017	mg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0195	—	—	0.017	mg/L	Y	J	J	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0658	—	—	0.017	mg/L	Y	—	U	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.139	—	—	0.017	mg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.47	—	—	0.067	µg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.54	—	—	0.067	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.74	—	—	0.067	µg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.64	—	—	0.067	µg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.55	—	—	0.067	µg/L	Y	—	NQ	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.39	—	—	1	µg/L	Y	—	NQ	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.18	—	—	1	µg/L	Y	—	NQ	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.58	—	—	1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.36	—	—	1	µg/L	Y	—	NQ	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.89	—	—	1	µg/L	Y	J	J	2015-834	CAMO-15-92497	GELC
R-28	934.3	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.06	—	—	3.3	µg/L	Y	J	J	2016-742	CAMO-16-110037	GELC
R-28	934.3	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.5	—	—	3.3	µg/L	Y	J	J	2016-350	CAMO-16-106121	GELC
R-28	934.3	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.4	—	—	3.3	µg/L	Y	J	J	2015-2151	CAMO-15-102603	GELC
R-28	934.3	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-1184	CAMO-15-95800	GELC
R-28	934.3	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-834	CAMO-15-92497	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.75	—	—	0.01	SU	Y	H	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	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	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.74	—	—	0.01	SU	Y	H	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.6	—	—	0.725	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.6	—	—	0.725	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.5	—	—	0.725	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.725	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.725	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.3	—	—	0.725	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62	—	—	0.725	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	32.1	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31.2	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.6	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	32.1	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.5	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31	—	—	1	µg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.9	—	—	1	µg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.4	—	—	0.05	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.8	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.4	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.9	—	—	0.05	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.34	—	—	0.067	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.3	—	—	0.067	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.3	—	—	0.067	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.29	—	—	0.067	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.3	—	—	0.067	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.4	—	—	0.067	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.25	—	—	0.067	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.01	—	—	2	µg/L	Y	J	J	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.89	—	—	2	µg/L	Y	J	J	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.43	—	—	2	µg/L	Y	J	J	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.89	—	—	2	µg/L	Y	J	J	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.8	—	—	2	µg/L	Y	J	J	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.77	—	—	2	µg/L	Y	J	J	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.2	—	—	2	µg/L	Y	J	J	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.198	—	—	0.033	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.174	—	—	0.033	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.166	—	—	0.033	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.218	—	—	0.033	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.228	—	—	0.033	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.213	—	—	0.066	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.216	—	—	0.033	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.3	—	—	0.453	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.8	—	—	0.453	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.1	—	—	0.453	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.7	—	—	0.453	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.3	—	—	0.453	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.1	—	—	0.453	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.4	—	—	0.453	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.87	—	—	0.11	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.84	—	—	0.11	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.78	—	—	0.11	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.97	—	—	0.11	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.83	—	—	0.11	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.99	—	—	0.11	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.7	—	—	0.11	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	µg/L	Y	—	J	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22	—	—	0.165	µg/L	Y	—	J	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	µg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.165	µg/L	Y	—	J	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.13	—	—	0.165	µg/L	Y	—	U	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.165	µg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.165	µg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.08	—	—	0.5	µg/L	Y	J	J	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.12	—	—	0.5	µg/L	Y	J	J	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.635	—	—	0.5	µg/L	Y	J	J	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.745	—	—	0.5	µg/L	Y	J	J	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.754	—	—	0.5	µg/L	Y	J	J	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.57	—	—	0.5	µg/L	Y	J	J	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.921	—	—	0.5	µg/L	Y	J	J	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.49	—	—	0.017	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.487	—	—	0.017	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.522	—	—	0.017	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.542	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.553	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.544	—	—	0.017	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.516	—	—	0.017	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.392	—	—	0.05	µg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.382	—	—	0.05	µg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.393	—	—	0.05	µg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.398	—	—	0.05	µg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.404	—	—	0.05	µg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.393	—	—	0.05	µg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.361	—	—	0.05	µg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.41	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.52	—	—	0.05	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.2	—	—	0.053	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.7	—	—	0.053	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.3	—	—	0.053	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.4	—	—	0.053	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.1	—	—	0.053	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76	—	—	0.053	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74	—	—	0.053	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13	—	—	0.1	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	1	µS/cm	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	158	—	—	1	µS/cm	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	150	—	—	1	µS/cm	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	3.63	µS/cm	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	3.63	µS/cm	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	47.9	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	47.4	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	47.7	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	46.8	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	45.3	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	58.8	—	—	1	µg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	56.1	—	—	1	µg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.32	—	—	0.133	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.36	—	—	0.133	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.33	—	—	0.133	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.32	—	—	0.133	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.33	—	—	0.133	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.62	—	—	0.133	mg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.11	—	—	0.133	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	3.4	mg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	—	3.4	mg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	104	—	—	3.4	mg/L	Y	—	J	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.98	—	—	0.067	µg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.962	—	—	0.067	µg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.787	—	—	0.067	µg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.759	—	—	0.067	µg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.731	—	—	0.067	µg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.826	—	—	0.067	µg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.846	—	—	0.067	µg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.17	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.33	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.84	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.36	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102604	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.41	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.63	—	—	1	µg/L	Y	—	NQ	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.92	—	—	1	µg/L	Y	—	NQ	2015-838	CAMO-15-92679	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.37	—	—	3.3	µg/L	Y	J	J	2016-699	CAMO-16-110014	GELC
R-33 S1	995.5	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.55	—	—	3.3	µg/L	Y	J	J	2016-699	CAMO-16-110038	GELC
R-33 S1	995.5	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-334	CAMO-16-106122	GELC
R-33 S1	995.5	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-2084	CAMO-15-102604	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S1	995.5	08/06/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-2084	CAMO-15-102559	GELC
R-33 S1	995.5	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-1190	CAMO-15-95801	GELC
R-33 S1	995.5	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-838	CAMO-15-92679	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.83	—	—	0.01	SU	Y	H	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.1	—	—	0.725	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64	—	—	0.725	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.2	—	—	0.725	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.4	—	—	0.725	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63	—	—	0.725	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	35.2	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	35.4	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	36.3	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	34.9	—	—	1	µg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	33.1	—	—	1	µg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.5	—	—	0.05	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.4	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.3	—	—	0.05	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.3	—	—	0.05	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.01	—	—	0.067	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2	—	—	0.067	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2	—	—	0.067	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.93	—	—	0.067	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2	—	—	0.067	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.28	—	—	2	µg/L	Y	J	J	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.35	—	—	2	µg/L	Y	J	J	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.52	—	—	2	µg/L	Y	J	J	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.51	—	—	2	µg/L	Y	J	J	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.69	—	—	2	µg/L	Y	J	J	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.174	—	—	0.033	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.152	—	—	0.033	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.193	—	—	0.033	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.223	—	—	0.033	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.6	—	—	0.453	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.3	—	—	0.453	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.3	—	—	0.453	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.8	—	—	0.453	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.9	—	—	0.453	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.01	—	—	0.11	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.27	—	—	0.11	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.32	—	—	0.11	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.29	—	—	0.11	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.96	—	—	0.11	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.976	—	—	0.165	µg/L	Y	—	J	2016-699	CAMO-16-110039	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.903	—	—	0.165	µg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.947	—	—	0.165	µg/L	Y	—	U	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.936	—	—	0.165	µg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.942	—	—	0.165	µg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.32	—	—	0.017	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.333	—	—	0.017	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.356	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.37	—	—	0.017	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.335	—	—	0.017	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.356	—	—	0.05	µg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.349	—	—	0.05	µg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.35	—	—	0.05	µg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.348	—	—	0.05	µg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.35	—	—	0.05	µg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.31	—	—	0.05	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.59	—	—	0.05	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.37	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.34	—	—	0.05	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.33	—	—	0.05	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	82.2	—	—	0.053	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	81.6	—	—	0.053	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.1	—	—	0.053	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.8	—	—	0.053	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.3	—	—	0.053	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.6	—	—	0.1	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	157	—	—	1	µS/cm	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	146	—	—	1	µS/cm	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	131	—	—	3.63	µS/cm	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	3.63	µS/cm	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	132	—	—	3.63	µS/cm	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	45.5	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	45.6	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	46.5	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.4	—	—	1	µg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.2	—	—	1	µg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.27	—	—	0.133	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.26	—	—	0.133	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.3	—	—	0.133	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.52	—	—	0.133	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.12	—	—	0.133	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	—	—	3.4	mg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	92.9	—	—	3.4	mg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	—	—	3.4	mg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.02	—	—	0.017	mg/L	Y	J	J	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0285	—	—	0.017	mg/L	Y	J	J	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0215	—	—	0.017	mg/L	Y	J	J	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0695	—	—	0.017	mg/L	Y	—	U	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0397	—	—	0.017	mg/L	Y	J	J	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.05	—	—	0.067	µg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.876	—	—	0.067	µg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.815	—	—	0.067	µg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.927	—	—	0.067	µg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.935	—	—	0.067	µg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-33 S2	1112.4	02/05/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.19	—	—	1	µg/L	Y	—	NQ	2016-699	CAMO-16-110039	GELC
R-33 S2	1112.4	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.44	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106123	GELC
R-33 S2	1112.4	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.37	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102605	GELC
R-33 S2	1112.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.51	—	—	1	µg/L	Y	—	NQ	2015-1190	CAMO-15-95802	GELC
R-33 S2	1112.4	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.42	—	—	1	µg/L	Y	—	NQ	2015-838	CAMO-15-92680	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.79	—	—	0.01	SU	Y	H	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	105	—	—	0.725	mg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	102	—	—	0.725	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.1	—	—	0.725	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	103	—	—	0.725	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	102	—	—	0.725	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0335	—	—	0.017	mg/L	Y	J	J-	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0219	—	—	0.017	mg/L	Y	J	J	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.083	—	—	0.017	mg/L	Y	—	J+	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0367	—	—	0.017	mg/L	Y	J	U	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0802	—	—	0.017	mg/L	Y	—	U	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.71	—	—	1.7	µg/L	Y	J	J	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.99	—	—	1.7	µg/L	Y	J	J	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.92	—	—	1.7	µg/L	Y	J	J	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.15	—	—	1.7	µg/L	Y	J	J	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.91	—	—	1.7	µg/L	Y	J	J	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	337	—	—	1	µg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	348	—	—	1	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	361	—	—	1	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	354	—	—	1	µg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	347	—	—	1	µg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	40.6	—	—	15	µg/L	Y	J	J	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	38.5	—	—	15	µg/L	Y	J	J	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	44	—	—	15	µg/L	Y	J	J	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	40.7	—	—	15	µg/L	Y	J	J	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	34.1	—	—	15	µg/L	Y	J	J	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0761	—	—	0.067	mg/L	Y	J	J	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2016-299	CASA-16-106254	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-833	CASA-15-92519	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	11/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-264	CASA-15-90258	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.6	—	—	0.05	mg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.7	—	—	0.05	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.5	—	—	0.05	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.9	—	—	0.05	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.1	—	—	0.05	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.61	—	—	0.067	mg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.45	—	—	0.067	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.74	—	—	0.067	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.49	—	—	0.067	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	11/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.92	—	—	0.067	mg/L	Y	—	NQ	2015-264	CASA-15-90258	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.93	—	—	2	µg/L	Y	J	J	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.2	—	—	2	µg/L	Y	J	J	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.3	—	—	2	µg/L	Y	J	J	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.52	—	—	2	µg/L	Y	J	J	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.61	—	—	2	µg/L	Y	J	J	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.265	—	—	0.033	mg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.289	—	—	0.033	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.273	—	—	0.033	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.296	—	—	0.033	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	11/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.291	—	—	0.033	mg/L	Y	—	NQ	2015-264	CASA-15-90258	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	74.4	—	—	0.453	mg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.3	—	—	0.453	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.5	—	—	0.453	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79.2	—	—	0.453	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	77.2	—	—	0.453	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.57	—	—	0.11	mg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.98	—	—	0.11	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.17	—	—	0.11	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.96	—	—	0.11	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.93	—	—	0.11	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.36	—	—	0.165	µg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.165	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.165	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.165	µg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.165	µg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	11.1	—	—	0.5	µg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.49	—	—	0.5	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.85	—	—	0.5	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.7	—	—	0.5	µg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.27	—	—	0.5	µg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.418	—	—	0.017	mg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.482	—	—	0.017	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.448	—	—	0.017	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.468	—	—	0.017	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.457	—	—	0.017	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.434	—	—	0.05	µg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.453	—	—	0.05	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.422	—	—	0.05	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	05/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.43	—	—	0.05	µg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.404	—	—	0.05	µg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.78	—	—	0.05	mg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.83	—	—	0.05	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.08	—	—	0.05	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.96	—	—	0.05	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.01	—	—	0.05	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.9	—	—	0.053	mg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	83.1	—	—	0.053	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.1	—	—	0.053	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.2	—	—	0.053	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.4	—	—	0.053	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.4	—	—	0.1	mg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.2	—	—	0.1	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.9	—	—	0.1	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.7	—	—	0.1	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	283	—	—	1	µS/cm	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	251	—	—	1	µS/cm	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	223	—	—	3.63	µS/cm	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	219	—	—	3.63	µS/cm	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	229	—	—	3.63	µS/cm	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	158	—	—	1	µg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	167	—	—	1	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	174	—	—	1	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	158	—	—	1	µg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	199	—	—	1	µg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.68	—	—	0.133	mg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.46	—	—	0.133	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.62	—	—	0.133	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.48	—	—	0.133	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	11/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.7	—	—	0.133	mg/L	Y	—	NQ	2015-264	CASA-15-90258	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	204	—	—	3.4	mg/L	Y	—	J	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	221	—	—	3.4	mg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	186	—	—	3.4	mg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	201	—	—	3.4	mg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.408	—	—	0.33	mg/L	Y	J	J	2016-675	CASA-16-110055	GELC
R-35a	1013.1	11/09/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2016-299	CASA-16-106241	GELC
R-35a	1013.1	08/10/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.359	—	—	0.33	mg/L	Y	J	J	2015-2125	CASA-15-102636	GELC
R-35a	1013.1	05/06/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.446	—	—	0.33	mg/L	Y	J	J	2015-1168	CASA-15-95819	GELC
R-35a	1013.1	02/25/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.598	—	—	0.33	mg/L	Y	J	J	2015-833	CASA-15-92512	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.603	—	—	0.067	µg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.574	—	—	0.067	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.571	—	—	0.067	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.621	—	—	0.067	µg/L	Y	—	J	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.641	—	—	0.067	µg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35a	1013.1	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	15.6	—	—	1	µg/L	Y	—	NQ	2016-675	CASA-16-110064	GELC
R-35a	1013.1	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	15.7	—	—	1	µg/L	Y	—	NQ	2016-299	CASA-16-106254	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16.6	—	—	1	µg/L	Y	—	NQ	2015-2125	CASA-15-102650	GELC
R-35a	1013.1	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16.5	—	—	1	µg/L	Y	—	NQ	2015-1168	CASA-15-95828	GELC
R-35a	1013.1	02/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16.6	—	—	1	µg/L	Y	—	NQ	2015-833	CASA-15-92519	GELC
R-35b	825.4	02/02/16	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	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.63	—	—	0.01	SU	Y	H	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.89	—	—	0.01	SU	Y	H	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.58	—	—	0.01	SU	Y	H	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.7	—	—	0.725	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.8	—	—	0.725	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.7	—	—	0.725	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.3	—	—	0.725	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.5	—	—	0.725	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0415	—	—	0.017	mg/L	Y	J	J	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0563	—	—	0.017	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0482	—	—	0.017	mg/L	Y	J	J	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.121	—	—	0.017	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.51	—	—	1.7	µg/L	Y	J	J	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.28	—	—	1.7	µg/L	Y	J	J	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.79	—	—	1.7	µg/L	Y	J	J	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.9	—	—	1.7	µg/L	Y	J	J	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.3	—	—	1	µg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	40.6	—	—	1	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39.8	—	—	1	µg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.3	—	—	1	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39.7	—	—	1	µg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25.6	—	—	15	µg/L	Y	J	J	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	24.6	—	—	15	µg/L	Y	J	J	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	27.6	—	—	15	µg/L	Y	J	J	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25	—	—	15	µg/L	Y	J	J	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26	—	—	15	µg/L	Y	J	J	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.7	—	—	0.05	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.5	—	—	0.05	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.2	—	—	0.05	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16	—	—	0.05	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.85	—	—	0.067	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.84	—	—	0.067	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.82	—	—	0.067	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.88	—	—	0.067	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.9	—	—	0.067	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.72	—	—	2	µg/L	Y	J	J	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.39	—	—	2	µg/L	Y	J	J	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.98	—	—	2	µg/L	Y	J	J	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.76	—	—	2	µg/L	Y	J	J	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.05	—	—	2	µg/L	Y	J	J	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.439	—	—	0.033	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.47	—	—	0.033	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.45	—	—	0.033	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.454	—	—	0.033	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.439	—	—	0.033	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.5	—	—	0.453	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.9	—	—	0.453	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.5	—	—	0.453	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.6	—	—	0.453	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.7	—	—	0.453	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.83	—	—	0.11	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.33	—	—	0.11	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.03	—	—	0.11	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5	—	—	0.11	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.29	—	—	0.11	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.4	—	—	0.165	µg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.165	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22	—	—	0.165	µg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.165	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	µg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.38	—	—	0.5	µg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.11	—	—	0.5	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.6	—	—	0.5	µg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.18	—	—	0.5	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.56	—	—	0.5	µg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.05	—	—	0.017	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.23	—	—	0.017	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.16	—	—	0.017	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.24	—	—	0.017	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.18	—	—	0.017	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.591	—	—	0.05	µg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.626	—	—	0.05	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.579	—	—	0.05	µg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.572	—	—	0.05	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.539	—	—	0.05	µg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.91	—	—	0.05	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2	—	—	0.05	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.97	—	—	0.05	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.95	—	—	0.05	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.19	—	—	0.05	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.3	—	—	0.053	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.6	—	—	0.053	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.8	—	—	0.053	mg/L	Y	—	J-	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.1	—	—	0.053	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.2	—	—	0.1	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	µS/cm	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	179	—	—	1	µS/cm	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	3.63	µS/cm	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	152	—	—	3.63	µS/cm	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	158	—	—	3.63	µS/cm	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	58.8	—	—	1	µg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	61.6	—	—	1	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	69.7	—	—	1	µg/L	Y	E	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	58.5	—	—	1	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	60.1	—	—	1	µg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.51	—	—	0.133	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.5	—	—	0.133	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.48	—	—	0.133	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.56	—	—	0.133	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.64	—	—	0.133	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	—	—	3.4	mg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	206	—	—	3.4	mg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	109	—	—	3.4	mg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	—	—	3.4	mg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0752	—	—	0.033	mg/L	Y	J	J	2016-675	CASA-16-110056	GELC
R-35b	825.4	11/06/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-287	CASA-16-106242	GELC
R-35b	825.4	08/04/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-2021	CASA-15-102637	GELC
R-35b	825.4	05/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-1159	CASA-15-95820	GELC
R-35b	825.4	02/20/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-807	CASA-15-92513	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.267	—	—	0.067	µg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.26	—	—	0.067	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.312	—	—	0.067	µg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.279	—	—	0.067	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.289	—	—	0.067	µg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.5	—	—	1	µg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.4	—	—	1	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.3	—	—	1	µg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.7	—	—	1	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.3	—	—	1	µg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-35b	825.4	02/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	14.5	—	—	3.3	µg/L	Y	—	NQ	2016-675	CASA-16-110065	GELC
R-35b	825.4	11/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	14.8	—	—	3.3	µg/L	Y	—	NQ	2016-287	CASA-16-106255	GELC
R-35b	825.4	08/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	16.6	—	—	3.3	µg/L	Y	—	NQ	2015-2021	CASA-15-102651	GELC
R-35b	825.4	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	13.8	—	—	3.3	µg/L	Y	—	NQ	2015-1159	CASA-15-95829	GELC
R-35b	825.4	02/20/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	17.6	—	—	3.3	µg/L	Y	—	NQ	2015-807	CASA-15-92520	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.72	—	—	0.01	SU	Y	H	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.2	—	—	0.01	SU	Y	H	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.77	—	—	0.01	SU	Y	H	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.4	—	—	0.01	SU	Y	H	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.52	—	—	0.01	SU	Y	H	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.9	—	—	0.725	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.3	—	—	0.725	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.2	—	—	0.725	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.1	—	—	0.725	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69	—	—	0.725	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.26	—	—	1.7	µg/L	Y	J	J	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.36	—	—	1.7	µg/L	Y	J	J	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.95	—	—	1.7	µg/L	Y	J	U	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.1	—	—	1.7	µg/L	Y	J	J	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.37	—	—	1.7	µg/L	Y	J	J	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	33.9	—	—	1	µg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31.4	—	—	1	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	34.2	—	—	1	µg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	32.5	—	—	1	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	32.5	—	—	1	µg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.7	—	—	15	µg/L	Y	J	J	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.6	—	—	15	µg/L	Y	J	J	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	27.2	—	—	15	µg/L	Y	J	J	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25.8	—	—	15	µg/L	Y	J	J	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.2	—	—	15	µg/L	Y	J	J	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0928	—	—	0.067	mg/L	Y	J	J	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.089	—	—	0.067	mg/L	Y	J	J	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.103	—	—	0.067	mg/L	Y	J	J	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0757	—	—	0.067	mg/L	Y	J	J	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0984	—	—	0.067	mg/L	Y	J	J	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.9	—	—	0.05	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.3	—	—	0.05	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.09	—	—	0.067	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.29	—	—	0.067	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.22	—	—	0.067	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.1	—	—	0.067	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.04	—	—	0.067	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.483	—	—	0.033	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.523	—	—	0.033	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.54	—	—	0.033	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.488	—	—	0.033	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.527	—	—	0.033	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.4	—	—	0.453	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.1	—	—	0.453	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.6	—	—	0.453	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.6	—	—	0.453	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.5	—	—	0.453	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.33	—	—	0.11	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.1	—	—	0.11	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.38	—	—	0.11	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.2	—	—	0.11	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.17	—	—	0.11	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2	—	—	0.165	µg/L	Y	—	J	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.75	—	—	0.165	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.71	—	—	0.165	µg/L	Y	—	J	2015-2090	CASA-15-102652	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.62	—	—	0.165	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.85	—	—	0.165	µg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.83	—	—	0.5	µg/L	Y	J	J	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2.35	—	—	0.5	µg/L	Y	—	U	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.923	—	—	0.5	µg/L	Y	J	J	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.02	—	—	0.5	µg/L	Y	J	J	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.14	—	—	0.5	µg/L	Y	J	J	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.42	—	—	0.085	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.29	—	—	0.085	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.45	—	—	0.085	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	6.8	—	—	0.425	mg/L	Y	H	J-	2015-1159	CASA-15-95830	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	6.8	—	—	0.085	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.33	—	—	0.085	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.55	—	—	0.1	µg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.61	—	—	0.1	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.55	—	—	0.2	µg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.52	—	—	0.1	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.48	—	—	0.1	µg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.07	—	—	0.05	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.08	—	—	0.05	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.94	—	—	0.05	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.95	—	—	0.05	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.99	—	—	0.05	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.1	—	—	0.053	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.5	—	—	0.053	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.9	—	—	0.053	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.9	—	—	0.053	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.7	—	—	0.053	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.7	—	—	0.1	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.5	—	—	0.1	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.8	—	—	0.1	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	214	—	—	1	µS/cm	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	176	—	—	3.63	µS/cm	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	3.63	µS/cm	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	3.63	µS/cm	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	178	—	—	3.63	µS/cm	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	72.2	—	—	1	µg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	59.8	—	—	1	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	63.1	—	—	1	µg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	63.1	—	—	1	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	60.2	—	—	1	µg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.98	—	—	0.133	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.18	—	—	0.133	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.35	—	—	0.133	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.06	—	—	0.133	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.88	—	—	0.133	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	11/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	216	—	—	3.4	mg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	3.4	mg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	3.4	mg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.315	—	—	0.067	µg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.283	—	—	0.067	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.23	—	—	0.067	µg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.289	—	—	0.067	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.279	—	—	0.067	µg/L	Y	—	U	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	15	—	—	1	µg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.9	—	—	1	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.9	—	—	1	µg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.3	—	—	1	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.9	—	—	1	µg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-36	766.9	02/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	36.8	—	—	3.3	µg/L	Y	—	NQ	2016-704	CASA-16-110066	GELC
R-36	766.9	11/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	36.6	—	—	3.3	µg/L	Y	—	NQ	2016-364	CASA-16-106256	GELC
R-36	766.9	08/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	36.5	—	—	3.3	µg/L	Y	—	NQ	2015-2090	CASA-15-102652	GELC
R-36	766.9	05/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	38	—	—	3.3	µg/L	Y	—	NQ	2015-1159	CASA-15-95830	GELC
R-36	766.9	02/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	45.2	—	—	3.3	µg/L	Y	—	NQ	2015-792	CASA-15-92521	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.71	—	—	0.01	SU	Y	H	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.49	—	—	0.01	SU	Y	H	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.83	—	—	0.01	SU	Y	H	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.66	—	—	0.01	SU	Y	H	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	—	0.01	SU	Y	H	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.9	—	—	0.725	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.8	—	—	0.725	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.2	—	—	0.725	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.5	—	—	0.725	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69	—	—	0.725	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0201	—	—	0.017	mg/L	Y	J	J	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.03	—	—	0.017	mg/L	Y	J	U	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.131	—	—	0.017	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0547	—	—	0.017	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.06	—	—	1.7	µg/L	Y	J	J	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.21	—	—	1.7	µg/L	Y	J	J	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.28	—	—	1.7	µg/L	Y	J	J	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	99.7	—	—	1	µg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	98	—	—	1	µg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	102	—	—	1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	96.3	—	—	1	µg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	94.1	—	—	1	µg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.3	—	—	15	µg/L	Y	J	J	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.7	—	—	15	µg/L	Y	J	J	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.6	—	—	15	µg/L	Y	J	J	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.2	—	—	15	µg/L	Y	J	J	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2015-837	CAMO-15-92500	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.298	—	—	0.067	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.27	—	—	0.067	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.282	—	—	0.067	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.248	—	—	0.067	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.259	—	—	0.067	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	54.6	—	—	0.05	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	55.1	—	—	0.05	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	56.9	—	—	0.05	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	54.3	—	—	0.05	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	50.1	—	—	0.05	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	48.2	—	—	0.67	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	45.7	—	—	0.67	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	47.4	—	—	0.67	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	45.2	—	—	0.67	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.7	—	—	0.67	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	836	—	—	2	µg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	821	—	—	2	µg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	835	—	—	2	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	853	—	—	2	µg/L	Y	—	J+	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	915	—	—	2	µg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00585	—	—	0.00167	mg/L	Y	—	NQ	2016-697	CAMO-16-110023	GELC
R-42	931.8	11/16/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00715	—	—	0.00167	mg/L	Y	—	NQ	2016-350	CAMO-16-106104	GELC
R-42	931.8	08/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00748	—	—	0.00167	mg/L	Y	—	NQ	2015-2151	CAMO-15-102583	GELC
R-42	931.8	05/08/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00747	—	—	0.00167	mg/L	Y	—	NQ	2015-1179	CAMO-15-95782	GELC
R-42	931.8	02/26/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00746	—	—	0.00167	mg/L	Y	—	NQ	2015-837	CAMO-15-92484	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.219	—	—	0.033	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.224	—	—	0.033	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.229	—	—	0.033	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.224	—	—	0.033	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.242	—	—	0.033	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	200	—	—	0.453	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	201	—	—	0.453	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	208	—	—	0.453	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	198	—	—	0.453	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	184	—	—	0.453	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	15.5	—	—	0.11	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	15.5	—	—	0.11	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.1	—	—	0.11	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	15.2	—	—	0.11	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	14.3	—	—	0.11	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	25.7	—	—	0.5	µg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	26	—	—	0.5	µg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	30.1	—	—	0.5	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	27.8	—	—	0.5	µg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	34	—	—	0.5	µg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	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	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.37	—	—	0.17	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.75	—	—	0.17	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.54	—	—	0.17	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.95	—	—	0.085	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.2	—	—	0.1	µg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.28	—	—	0.1	µg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.24	—	—	0.1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.17	—	—	0.1	µg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.09	—	—	0.1	µg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.42	—	—	0.05	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.2	—	—	0.05	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.52	—	—	0.05	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.32	—	—	0.05	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.25	—	—	0.05	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.9	—	—	0.053	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.4	—	—	0.053	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.9	—	—	0.053	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.4	—	—	0.053	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.8	—	—	0.1	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.4	—	—	0.1	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.3	—	—	0.1	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	572	—	—	1	µS/cm	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	530	—	—	1	µS/cm	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	486	—	—	3.63	µS/cm	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	3.63	µS/cm	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	481	—	—	3.63	µS/cm	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	178	—	—	1	µg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	201	—	—	1	µg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	220	—	—	1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	196	—	—	1	µg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	220	—	—	1	µg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	80.1	—	—	1.33	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	77.1	—	—	1.33	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	80.9	—	—	1.33	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	78.6	—	—	1.33	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	77.4	—	—	1.33	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	5.98	—	—	2.5	µg/L	Y	J	J	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4	—	—	2.5	µg/L	Y	J	J	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.65	—	—	2.5	µg/L	Y	J	J	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	384	—	—	3.4	mg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	389	—	—	3.4	mg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	376	—	—	3.4	mg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	363	—	—	3.4	mg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	394	—	—	3.4	mg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.812	—	—	0.33	mg/L	Y	J	J	2016-697	CAMO-16-110023	GELC
R-42	931.8	11/16/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.9	—	—	0.33	mg/L	Y	J	J	2016-350	CAMO-16-106104	GELC
R-42	931.8	08/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.864	—	—	0.33	mg/L	Y	J	J	2015-2151	CAMO-15-102583	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	05/08/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.82	—	—	0.33	mg/L	Y	J	J	2015-1179	CAMO-15-95782	GELC
R-42	931.8	02/26/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.07	—	—	0.33	mg/L	Y	—	NQ	2015-837	CAMO-15-92484	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.05	—	—	0.067	µg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.02	—	—	0.067	µg/L	Y	—	NQ	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.03	—	—	0.067	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.92	—	—	0.067	µg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.952	—	—	0.067	µg/L	Y	—	NQ	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.76	—	—	1	µg/L	Y	J	J	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.79	—	—	1	µg/L	Y	J	J	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.46	—	—	1	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.1	—	—	1	µg/L	Y	—	NQ	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.5	—	—	1	µg/L	Y	J	J	2015-837	CAMO-15-92500	GELC
R-42	931.8	02/04/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.9	—	—	3.3	µg/L	Y	—	NQ	2016-697	CAMO-16-110041	GELC
R-42	931.8	11/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.4	—	—	3.3	µg/L	Y	J	J	2016-350	CAMO-16-106125	GELC
R-42	931.8	08/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	14.3	—	—	3.3	µg/L	Y	—	NQ	2015-2151	CAMO-15-102607	GELC
R-42	931.8	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6.89	—	—	3.3	µg/L	Y	J	J	2015-1179	CAMO-15-95804	GELC
R-42	931.8	02/26/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.88	—	—	3.3	µg/L	Y	J	J	2015-837	CAMO-15-92500	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.29	—	—	0.01	SU	Y	H	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.29	—	—	0.01	SU	Y	H	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	—	0.01	SU	Y	H	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	40.9	—	—	0.725	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.9	—	—	0.725	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	44.5	—	—	0.725	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	42	—	—	0.725	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	40.9	—	—	0.725	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	39.5	—	—	0.725	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0539	—	—	0.017	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0539	—	—	0.017	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0871	—	—	0.017	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0535	—	—	0.017	mg/L	Y	—	U	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.094	—	—	0.017	mg/L	Y	—	U	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0534	—	—	0.017	mg/L	Y	—	J	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.37	—	—	1.7	µg/L	Y	J	J	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	2.54	—	—	1.7	µg/L	Y	J	J	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.74	—	—	1.7	µg/L	Y	J	J	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.91	—	—	1.7	µg/L	Y	J	J	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24	—	—	1	µg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.1	—	—	1	µg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.4	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.1	—	—	1	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.1	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.2	—	—	15	µg/L	Y	J	J	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	16.9	—	—	15	µg/L	Y	J	J	2016-753	CASA-16-110053	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	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17	—	—	15	µg/L	Y	J	J	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.5	—	—	15	µg/L	Y	J	J	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.4	—	—	15	µg/L	Y	J	J	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0961	—	—	0.067	mg/L	Y	J	J	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.108	—	—	0.067	mg/L	Y	J	J	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.1	—	—	0.067	mg/L	Y	J	J	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0974	—	—	0.067	mg/L	Y	J	J	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0963	—	—	0.067	mg/L	Y	J	J	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.108	—	—	0.067	mg/L	Y	J	J	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.2	—	—	0.05	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19	—	—	0.05	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.2	—	—	0.05	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.2	—	—	0.05	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.9	—	—	0.05	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.8	—	—	0.05	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.4	—	—	0.067	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.43	—	—	0.067	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.35	—	—	0.067	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.59	—	—	0.067	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.53	—	—	0.067	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.8	—	—	0.067	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	153	—	—	2	µg/L	Y	—	J	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	155	—	—	2	µg/L	Y	—	J	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	134	—	—	2	µg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	146	—	—	2	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	127	—	—	2	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	126	—	—	2	µg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.305	—	—	0.033	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.298	—	—	0.033	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.324	—	—	0.033	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.367	—	—	0.033	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.344	—	—	0.033	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.353	—	—	0.033	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.9	—	—	0.453	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.2	—	—	0.453	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.7	—	—	0.453	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66	—	—	0.453	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.6	—	—	0.453	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.3	—	—	0.453	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.33	—	—	0.11	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.31	—	—	0.11	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.16	—	—	0.11	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.36	—	—	0.11	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.23	—	—	0.11	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.08	—	—	0.11	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.39	—	—	0.165	µg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.3	—	—	0.165	µg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	µg/L	Y	—	NQ	2016-375	CASA-16-106257	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	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.23	—	—	0.165	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.09	—	—	0.165	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1	—	—	0.165	µg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.35	—	—	0.5	µg/L	Y	J	J	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	µg/L	Y	J	J	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.09	—	—	0.5	µg/L	Y	J	J	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.41	—	—	0.5	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.651	—	—	0.5	µg/L	Y	J	J	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.81	—	—	0.5	µg/L	Y	J	J	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	6.15	—	—	0.17	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.89	—	—	0.17	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.61	—	—	0.17	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.4	—	—	0.085	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.42	—	—	0.17	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.98	—	—	0.17	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.03	—	—	0.1	µg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.938	—	—	0.1	µg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.952	—	—	0.1	µg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.877	—	—	0.05	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.966	—	—	0.05	µg/L	Y	—	J	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.24	—	—	0.05	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.2	—	—	0.05	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.21	—	—	0.05	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.26	—	—	0.05	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.28	—	—	0.05	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.16	—	—	1.5	µg/L	Y	J	J	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	Y	2.16	—	—	1.5	µg/L	Y	J	J	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.86	—	—	1.5	µg/L	Y	J	J	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.03	—	—	1.5	µg/L	Y	J	J	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.77	—	—	1.5	µg/L	Y	J	J	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.6	—	—	0.053	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.2	—	—	0.053	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.8	—	—	0.053	mg/L	Y	—	J-	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.2	—	—	0.053	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.7	—	—	0.053	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.7	—	—	0.053	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.91	—	—	0.1	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	216	—	—	1	µS/cm	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	214	—	—	1	µS/cm	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	178	—	—	3.63	µS/cm	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	µS/cm	Y	—	NQ	2015-2207	CASA-15-102653	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	182	—	—	3.63	µS/cm	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	3.63	µS/cm	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	64.8	—	—	1	µg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	63.3	—	—	1	µg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	73	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	71.1	—	—	1	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	67.4	—	—	1	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	76.5	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.2	—	—	0.133	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.3	—	—	0.133	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.2	—	—	0.133	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.9	—	—	0.133	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.2	—	—	0.133	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15	—	—	0.133	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	234	—	—	3.4	mg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	234	—	—	3.4	mg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	201	—	—	3.4	mg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	211	—	—	3.4	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	189	—	—	3.4	mg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.102	—	—	0.033	mg/L	Y	—	NQ	2016-753	CASA-16-110058	GELC
R-43 S1	903.9	02/16/16	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0392	—	—	0.033	mg/L	Y	J	J	2016-753	CASA-16-110052	GELC
R-43 S1	903.9	11/18/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0413	—	—	0.033	mg/L	Y	J	J	2016-375	CASA-16-106244	GELC
R-43 S1	903.9	08/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-2207	CASA-15-102639	GELC
R-43 S1	903.9	05/15/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-1215	CASA-15-95822	GELC
R-43 S1	903.9	03/02/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.142	—	—	0.033	mg/L	Y	—	NQ	2015-847	CASA-15-92515	GELC
R-43 S1	903.9	02/16/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.756	—	—	0.33	mg/L	Y	J	J	2016-753	CASA-16-110058	GELC
R-43 S1	903.9	02/16/16	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.771	—	—	0.33	mg/L	Y	J	J	2016-753	CASA-16-110052	GELC
R-43 S1	903.9	11/18/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.717	—	—	0.33	mg/L	Y	J	J	2016-375	CASA-16-106244	GELC
R-43 S1	903.9	08/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.551	—	—	0.33	mg/L	Y	J	J	2015-2207	CASA-15-102639	GELC
R-43 S1	903.9	05/15/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.852	—	—	0.33	mg/L	Y	J	J	2015-1215	CASA-15-95822	GELC
R-43 S1	903.9	03/02/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.666	—	—	0.33	mg/L	Y	J	J	2015-847	CASA-15-92515	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0413	—	—	0.017	mg/L	Y	J	J	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0497	—	—	0.017	mg/L	Y	J	J	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.335	—	—	0.017	mg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0196	—	—	0.017	mg/L	Y	J	J	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.136	—	—	0.067	µg/L	Y	J	J	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.116	—	—	0.067	µg/L	Y	J	J	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.124	—	—	0.067	µg/L	Y	J	J	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.133	—	—	0.067	µg/L	Y	J	J	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.096	—	—	0.067	µg/L	Y	J	J	2015-1215	CASA-15-95831	GELC
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.103	—	—	0.067	µg/L	Y	J	J	2015-847	CASA-15-92522	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.47	—	—	1	µg/L	Y	—	NQ	2016-753	CASA-16-110067	GELC
R-43 S1	903.9	02/16/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.43	—	—	1	µg/L	Y	—	NQ	2016-753	CASA-16-110053	GELC
R-43 S1	903.9	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.04	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106257	GELC
R-43 S1	903.9	08/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.3	—	—	1	µg/L	Y	—	NQ	2015-2207	CASA-15-102653	GELC
R-43 S1	903.9	05/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.45	—	—	1	µg/L	Y	—	NQ	2015-1215	CASA-15-95831	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.73	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92522	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.72	—	—	0.01	SU	Y	H	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.48	—	—	0.01	SU	Y	H	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.43	—	—	0.01	SU	Y	H	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.48	—	—	0.01	SU	Y	H	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.56	—	—	0.01	SU	Y	H	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.61	—	—	0.01	SU	Y	H	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	7.53	—	—	0.725	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	5.12	—	—	0.725	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	4.15	—	—	0.725	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.29	—	—	0.725	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6	—	—	0.725	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6	—	—	0.725	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.4	—	—	0.725	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.6	—	—	0.725	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.3	—	—	0.725	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.1	—	—	0.725	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.5	—	—	0.725	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.5	—	—	0.725	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.227	—	—	0.017	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0575	—	—	0.017	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.11	—	—	0.017	mg/L	Y	—	J	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0763	—	—	0.017	mg/L	Y	—	U	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0401	—	—	0.017	mg/L	Y	J	U	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0456	—	—	0.017	mg/L	Y	J	J	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.53	—	—	1.7	µg/L	Y	J	J	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.32	—	—	1.7	µg/L	Y	J	J	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.77	—	—	1.7	µg/L	Y	J	J	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.86	—	—	1.7	µg/L	Y	J	J	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.2	—	—	1	µg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.1	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.5	—	—	1	µg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.3	—	—	1	µg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.7	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.9	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	36.8	—	—	15	µg/L	Y	J	J	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	32.5	—	—	15	µg/L	Y	J	J	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	38.3	—	—	15	µg/L	Y	J	J	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	36.7	—	—	15	µg/L	Y	J	J	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	31.1	—	—	15	µg/L	Y	J	J	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	31.6	—	—	15	µg/L	Y	J	J	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.079	—	—	0.067	mg/L	Y	J	J	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0742	—	—	0.067	mg/L	Y	J	J	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0804	—	—	0.067	mg/L	Y	J	J	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0775	—	—	0.067	mg/L	Y	J	J	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0757	—	—	0.067	mg/L	Y	J	J	2015-847	CASA-15-92510	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.1	—	—	0.05	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.1	—	—	0.05	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.36	—	—	0.067	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.25	—	—	0.067	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.66	—	—	0.067	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.28	—	—	0.067	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.91	—	—	0.067	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.95	—	—	0.067	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.273	—	—	0.033	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.266	—	—	0.066	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.312	—	—	0.033	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.314	—	—	0.033	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.5	—	—	0.453	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.3	—	—	0.453	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.453	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.3	—	—	0.453	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.8	—	—	0.453	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.2	—	—	0.453	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.79	—	—	0.11	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.49	—	—	0.11	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.52	—	—	0.11	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.58	—	—	0.11	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.64	—	—	0.11	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.7	—	—	0.11	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.53	—	—	0.165	µg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.4	—	—	0.165	µg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.165	µg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.165	µg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	µg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	µg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.607	—	—	0.5	µg/L	Y	J	J	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.627	—	—	0.5	µg/L	Y	J	J	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.754	—	—	0.5	µg/L	Y	J	J	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.741	—	—	0.5	µg/L	Y	J	J	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.28	—	—	0.085	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.08	—	—	0.085	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.28	—	—	0.085	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.12	—	—	0.17	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.03	—	—	0.085	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.29	—	—	0.085	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.844	—	—	0.05	µg/L	Y	—	NQ	2016-753	CASA-16-110068	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	11/18/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.853	—	—	0.05	µg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.751	—	—	0.05	µg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.826	—	—	0.05	µg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.787	—	—	0.05	µg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.742	—	—	0.05	µg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.33	—	—	0.05	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.48	—	—	0.05	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.8	—	—	1.5	µg/L	Y	J	J	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.9	—	—	0.053	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.4	—	—	0.053	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.6	—	—	0.053	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.6	—	—	0.053	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.4	—	—	0.1	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.3	—	—	0.1	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.6	—	—	0.1	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.6	—	—	0.1	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.1	—	—	0.1	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	215	—	—	1	µS/cm	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	182	—	—	3.63	µS/cm	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	196	—	—	1	µS/cm	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	—	—	3.63	µS/cm	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	3.63	µS/cm	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	3.63	µS/cm	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	90.6	—	—	1	µg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	93.6	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	96.8	—	—	1	µg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	99.2	—	—	1	µg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	105	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.59	—	—	0.133	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.43	—	—	0.133	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.87	—	—	0.133	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.11	—	—	0.133	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.71	—	—	0.133	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.72	—	—	0.133	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	207	—	—	3.4	mg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	217	—	—	3.4	mg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	174	—	—	3.4	mg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	95.7	—	—	3.4	mg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	80	—	—	3.4	mg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.894	—	—	0.33	mg/L	Y	J	J	2016-753	CASA-16-110059	GELC
R-43 S2	969.1	11/18/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.538	—	—	0.33	mg/L	Y	J	J	2016-375	CASA-16-106245	GELC
R-43 S2	969.1	08/18/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.21	—	—	0.33	mg/L	Y	—	NQ	2015-2191	CASA-15-102640	GELC
R-43 S2	969.1	05/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.76	—	—	0.33	mg/L	Y	—	J-	2015-1227	CASA-15-95823	GELC
R-43 S2	969.1	03/02/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.628	—	—	0.33	mg/L	Y	J	J	2015-847	CASA-15-92516	GELC
R-43 S2	969.1	03/02/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.61	—	—	0.33	mg/L	Y	J	J	2015-847	CASA-15-92509	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.027	—	—	0.017	mg/L	Y	J	J	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0366	—	—	0.017	mg/L	Y	J	J	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0186	—	—	0.017	mg/L	Y	J	J	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.572	—	—	0.067	µg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.577	—	—	0.067	µg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.837	—	—	0.067	µg/L	Y	—	J	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.57	—	—	0.067	µg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.616	—	—	0.067	µg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.607	—	—	0.067	µg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-43 S2	969.1	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.6	—	—	1	µg/L	Y	—	NQ	2016-753	CASA-16-110068	GELC
R-43 S2	969.1	11/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.3	—	—	1	µg/L	Y	—	NQ	2016-375	CASA-16-106258	GELC
R-43 S2	969.1	08/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.39	—	—	1	µg/L	Y	—	NQ	2015-2191	CASA-15-102654	GELC
R-43 S2	969.1	05/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.95	—	—	1	µg/L	Y	—	NQ	2015-1227	CASA-15-95832	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.88	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92523	GELC
R-43 S2	969.1	03/02/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.89	—	—	1	µg/L	Y	—	NQ	2015-847	CASA-15-92510	GELC
R-44 S1	895	02/09/16	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	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.81	—	—	0.01	SU	Y	H	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	—	0.01	SU	Y	H	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57	—	—	0.725	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.3	—	—	0.725	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.3	—	—	0.725	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55	—	—	0.725	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.5	—	—	0.725	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.97	—	—	1.7	µg/L	Y	J	J	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.7	—	—	1	µg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.7	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.3	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.5	—	—	1	µg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20	—	—	1	µg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.4	—	—	0.05	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.6	—	—	0.05	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.4	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.5	—	—	0.05	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.7	—	—	0.067	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.41	—	—	0.067	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.42	—	—	0.067	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.42	—	—	0.067	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.43	—	—	0.067	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	17.6	—	—	2	µg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16	—	—	2	µg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	15.6	—	—	2	µg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16.9	—	—	2	µg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	17	—	—	2	µg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.213	—	—	0.066	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.25	—	—	0.033	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.295	—	—	0.033	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.276	—	—	0.033	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.4	—	—	0.453	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.3	—	—	0.453	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.4	—	—	0.453	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.4	—	—	0.453	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.7	—	—	0.453	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.55	—	—	0.11	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.61	—	—	0.11	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.53	—	—	0.11	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.57	—	—	0.11	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.55	—	—	0.11	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.165	µg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.803	—	—	0.165	µg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.865	—	—	0.165	µg/L	Y	—	U	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.852	—	—	0.165	µg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.833	—	—	0.165	µg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.06	—	—	0.017	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.14	—	—	0.085	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.19	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.017	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.15	—	—	0.017	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.446	—	—	0.05	µg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.441	—	—	0.05	µg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.435	—	—	0.05	µg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.437	—	—	0.05	µg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.409	—	—	0.05	µg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.17	—	—	0.05	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.22	—	—	0.05	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.07	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.12	—	—	0.05	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.14	—	—	0.05	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.5	—	—	0.053	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.5	—	—	0.053	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.8	—	—	0.053	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.21	—	—	0.1	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.61	—	—	0.1	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.61	—	—	0.1	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.68	—	—	0.1	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.89	—	—	0.1	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	158	—	—	1	µS/cm	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	143	—	—	1	µS/cm	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	3.63	µS/cm	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	3.63	µS/cm	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	130	—	—	3.63	µS/cm	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.8	—	—	1	µg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.1	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.5	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.7	—	—	1	µg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.1	—	—	1	µg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.49	—	—	0.133	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.43	—	—	0.133	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.56	—	—	0.133	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.38	—	—	0.133	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.45	—	—	0.133	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	181	—	—	3.4	mg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	110	—	—	3.4	mg/L	Y	—	NQ	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	82.9	—	—	3.4	mg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0181	—	—	0.017	mg/L	Y	J	J	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0215	—	—	0.017	mg/L	Y	J	J	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0913	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0589	—	—	0.017	mg/L	Y	—	U	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0294	—	—	0.017	mg/L	Y	J	U	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.455	—	—	0.067	µg/L	Y	—	NQ	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.411	—	—	0.067	µg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.375	—	—	0.067	µg/L	Y	—	NQ	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.429	—	—	0.067	µg/L	Y	—	J	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.443	—	—	0.067	µg/L	Y	—	NQ	2015-797	CAMO-15-92501	GELC
R-44 S1	895	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.96	—	—	1	µg/L	Y	J	J	2016-714	CAMO-16-110042	GELC
R-44 S1	895	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.23	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106126	GELC
R-44 S1	895	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.6	—	—	1	µg/L	Y	J	J	2015-2084	CAMO-15-102608	GELC
R-44 S1	895	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.7	—	—	1	µg/L	Y	J	J	2015-1167	CAMO-15-95805	GELC
R-44 S1	895	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.99	—	—	1	µg/L	Y	J	J	2015-797	CAMO-15-92501	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	NQ	2015-1167	CAMO-15-95806	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.5	—	—	0.725	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.4	—	—	0.725	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.2	—	—	0.725	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.8	—	—	0.725	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.5	—	—	0.725	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.06	—	—	1.7	µg/L	Y	J	J	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.7	—	—	1	µg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.6	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.1	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22	—	—	1	µg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.8	—	—	1	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.1	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.2	—	—	0.05	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13	—	—	0.05	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.31	—	—	0.067	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.45	—	—	0.067	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.37	—	—	0.067	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.3	—	—	0.067	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.4	—	—	0.067	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.58	—	—	2	µg/L	Y	J	J	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	9.63	—	—	2	µg/L	Y	J	J	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.72	—	—	2	µg/L	Y	J	J	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.14	—	—	2	µg/L	Y	J	J	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.76	—	—	2	µg/L	Y	J	J	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.259	—	—	0.033	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.357	—	—	0.033	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.316	—	—	0.033	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.34	—	—	0.033	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.5	—	—	0.453	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.8	—	—	0.453	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50	—	—	0.453	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.6	—	—	0.453	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.2	—	—	0.453	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.99	—	—	0.11	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.28	—	—	0.11	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.18	—	—	0.11	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.07	—	—	0.11	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.09	—	—	0.11	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.892	—	—	0.165	µg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.775	—	—	0.165	µg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.775	—	—	0.165	µg/L	Y	—	U	2015-2084	CAMO-15-102609	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.704	—	—	0.165	µg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.773	—	—	0.165	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.706	—	—	0.017	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.767	—	—	0.017	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.769	—	—	0.017	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.915	—	—	0.017	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.714	—	—	0.017	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.351	—	—	0.05	µg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.374	—	—	0.05	µg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.358	—	—	0.05	µg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.354	—	—	0.05	µg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.356	—	—	0.05	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.35	—	—	0.05	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.25	—	—	0.05	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.31	—	—	0.05	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.33	—	—	0.05	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.7	—	—	0.053	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.2	—	—	0.053	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.4	—	—	0.053	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.6	—	—	0.053	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.79	—	—	0.1	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.52	—	—	0.1	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.68	—	—	0.1	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	162	—	—	1	µS/cm	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	151	—	—	1	µS/cm	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	3.63	µS/cm	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53	—	—	1	µg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	58.1	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.6	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	52.2	—	—	1	µg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.6	—	—	1	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.8	—	—	0.133	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.97	—	—	0.133	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.95	—	—	0.133	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.67	—	—	0.133	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.81	—	—	0.133	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	174	—	—	3.4	mg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	116	—	—	3.4	mg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	109	—	—	3.4	mg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0183	—	—	0.017	mg/L	Y	J	J	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0239	—	—	0.017	mg/L	Y	J	J	2016-334	CAMO-16-106127	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.062	—	—	0.017	mg/L	Y	—	U	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0435	—	—	0.017	mg/L	Y	J	U	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.499	—	—	0.067	µg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.488	—	—	0.067	µg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.45	—	—	0.067	µg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.474	—	—	0.067	µg/L	Y	—	J	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.497	—	—	0.067	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-44 S2	985.3	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.35	—	—	1	µg/L	Y	—	NQ	2016-714	CAMO-16-110043	GELC
R-44 S2	985.3	11/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.06	—	—	1	µg/L	Y	—	NQ	2016-334	CAMO-16-106127	GELC
R-44 S2	985.3	08/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.76	—	—	1	µg/L	Y	—	NQ	2015-2084	CAMO-15-102609	GELC
R-44 S2	985.3	05/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.93	—	—	1	µg/L	Y	—	NQ	2015-1167	CAMO-15-95806	GELC
R-44 S2	985.3	02/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.73	—	—	1	µg/L	Y	—	NQ	2015-797	CAMO-15-92502	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.89	—	—	0.01	SU	Y	H	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.6	—	—	0.725	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.2	—	—	0.725	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.7	—	—	0.725	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.9	—	—	0.725	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	85	—	—	0.725	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.032	—	—	0.017	mg/L	Y	J	J	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0484	—	—	0.017	mg/L	Y	J	U	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0345	—	—	0.017	mg/L	Y	J	J	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0266	—	—	0.017	mg/L	Y	J	J	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.86	—	—	1.7	µg/L	Y	J	J	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.9	—	—	1.7	µg/L	Y	J	J	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.74	—	—	1.7	µg/L	Y	J	J	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.5	—	—	1	µg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.4	—	—	1	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.9	—	—	1	µg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.3	—	—	1	µg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.3	—	—	1	µg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.8	—	—	15	µg/L	Y	J	J	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17	—	—	15	µg/L	Y	J	J	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.4	—	—	15	µg/L	Y	J	J	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.3	—	—	15	µg/L	Y	J	J	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	16.7	—	—	15	µg/L	Y	J	J	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.3	—	—	0.05	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.1	—	—	0.05	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.4	—	—	0.05	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.92	—	—	0.067	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S1	880	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.91	—	—	0.067	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.77	—	—	0.067	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.79	—	—	0.067	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.69	—	—	0.067	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	39.8	—	—	2	µg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	37.8	—	—	2	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	35.7	—	—	2	µg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	35	—	—	2	µg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	27.3	—	—	2	µg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.231	—	—	0.033	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.308	—	—	0.033	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.266	—	—	0.033	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.275	—	—	0.033	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.303	—	—	0.033	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.6	—	—	0.453	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	69.9	—	—	0.453	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.6	—	—	0.453	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.7	—	—	0.453	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.4	—	—	0.453	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.95	—	—	0.11	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.4	—	—	0.11	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.26	—	—	0.11	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.76	—	—	0.11	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.04	—	—	0.11	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.069	—	—	0.067	µg/L	Y	J	J	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.93	—	—	0.165	µg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.714	—	—	0.165	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.789	—	—	0.165	µg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.767	—	—	0.165	µg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.663	—	—	0.165	µg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.75	—	—	0.5	µg/L	Y	J	J	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.535	—	—	0.5	µg/L	Y	J	J	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.01	—	—	0.085	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.86	—	—	0.17	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.75	—	—	0.085	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.93	—	—	0.085	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.47	—	—	0.085	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.586	—	—	0.05	µg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.633	—	—	0.05	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.597	—	—	0.05	µg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.584	—	—	0.05	µg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.577	—	—	0.05	µg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.23	—	—	0.05	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.39	—	—	0.05	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.26	—	—	0.05	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.31	—	—	0.05	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.29	—	—	0.05	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.4	—	—	0.053	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.5	—	—	0.053	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	E	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	208	—	—	1	µS/cm	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	202	—	—	1	µS/cm	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	3.63	µS/cm	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	166	—	—	3.63	µS/cm	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	176	—	—	3.63	µS/cm	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	71.3	—	—	1	µg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	79.3	—	—	1	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	76.1	—	—	1	µg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	78.8	—	—	1	µg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	74.9	—	—	1	µg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.71	—	—	0.133	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.61	—	—	0.133	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.37	—	—	0.133	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.51	—	—	0.133	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.3	—	—	0.133	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	H	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	280	—	—	3.4	mg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	3.4	mg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	—	3.4	mg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	106	—	—	3.4	mg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.479	—	—	0.33	mg/L	Y	J	J	2016-726	CAMO-16-110026	GELC
R-45 S1	880	11/11/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.427	—	—	0.33	mg/L	Y	J	J	2016-316	CAMO-16-106107	GELC
R-45 S1	880	08/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.562	—	—	0.33	mg/L	Y	J	J	2015-2043	CAMO-15-102586	GELC
R-45 S1	880	05/04/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.537	—	—	0.33	mg/L	Y	J	J	2015-1148	CAMO-15-95785	GELC
R-45 S1	880	02/18/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.493	—	—	0.33	mg/L	Y	J	J	2015-801	CAMO-15-92487	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.763	—	—	0.067	µg/L	Y	—	NQ	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.759	—	—	0.067	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.758	—	—	0.067	µg/L	Y	—	NQ	2015-2043	CAMO-15-102610	GELC
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.733	—	—	0.067	µg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.661	—	—	0.067	µg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S1	880	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.9	—	—	1	µg/L	Y	J	J	2016-726	CAMO-16-110044	GELC
R-45 S1	880	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.12	—	—	1	µg/L	Y	—	NQ	2016-316	CAMO-16-106128	GELC
R-45 S1	880	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.99	—	—	1	µg/L	Y	J	J	2015-2043	CAMO-15-102610	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S1	880	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.01	—	—	1	µg/L	Y	—	NQ	2015-1148	CAMO-15-95807	GELC
R-45 S1	880	02/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.2	—	—	1	µg/L	Y	—	NQ	2015-801	CAMO-15-92503	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.31	—	—	0.01	SU	Y	H	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.28	—	—	0.01	SU	Y	H	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.3	—	—	0.725	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.3	—	—	0.725	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.7	—	—	0.725	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.3	—	—	0.725	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73	—	—	0.725	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0305	—	—	0.017	mg/L	Y	J	J	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.077	—	—	0.017	mg/L	Y	—	U	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0244	—	—	0.017	mg/L	Y	J	J	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.259	—	—	0.017	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0307	—	—	0.017	mg/L	Y	J	J	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.03	—	—	1.7	µg/L	Y	J	J	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.23	—	—	1.7	µg/L	Y	J	J	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.3	—	—	1	µg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.7	—	—	1	µg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.1	—	—	1	µg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29	—	—	1	µg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.7	—	—	1	µg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.4	—	—	15	µg/L	Y	J	J	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.4	—	—	15	µg/L	Y	J	J	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22	—	—	15	µg/L	Y	J	J	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	35.7	—	—	15	µg/L	Y	J	J	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.1	—	—	15	µg/L	Y	J	J	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.9	—	—	0.05	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.5	—	—	0.05	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.2	—	—	0.05	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.78	—	—	0.067	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.92	—	—	0.067	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.72	—	—	0.067	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.8	—	—	0.067	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.77	—	—	0.067	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	18.3	—	—	2	µg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	18.1	—	—	2	µg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	18.4	—	—	2	µg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16.2	—	—	2	µg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	17.2	—	—	2	µg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.309	—	—	0.033	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.376	—	—	0.033	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.34	—	—	0.033	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.351	—	—	0.033	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.349	—	—	0.033	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.4	—	—	0.453	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.2	—	—	0.453	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.5	—	—	0.453	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.6	—	—	0.453	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.7	—	—	0.453	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.93	—	—	0.11	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.22	—	—	0.11	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.2	—	—	0.11	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.74	—	—	0.11	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.16	—	—	0.11	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.071	—	—	0.067	µg/L	Y	J	J	2016-726	CAMO-16-110027	GELC
R-45 S2	974.9	11/11/15	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2016-318	CAMO-16-106108	GELC
R-45 S2	974.9	08/05/15	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-2043	CAMO-15-102587	GELC
R-45 S2	974.9	05/04/15	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-1148	CAMO-15-95786	GELC
R-45 S2	974.9	02/19/15	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-804	CAMO-15-92488	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.998	—	—	0.165	µg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.971	—	—	0.165	µg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.866	—	—	0.165	µg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.894	—	—	0.165	µg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.923	—	—	0.165	µg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.504	—	—	0.5	µg/L	Y	J	J	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.688	—	—	0.5	µg/L	Y	J	J	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.512	—	—	0.5	µg/L	Y	J	J	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.74	—	—	0.5	µg/L	Y	J	J	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.858	—	—	0.5	µg/L	Y	J	J	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.727	—	—	0.017	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.79	—	—	0.085	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.672	—	—	0.017	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.86	—	—	0.017	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.783	—	—	0.017	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.411	—	—	0.05	µg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.42	—	—	0.05	µg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.4	—	—	0.05	µg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.392	—	—	0.05	µg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.397	—	—	0.05	µg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.28	—	—	0.05	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.36	—	—	0.05	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.37	—	—	0.05	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.4	—	—	0.053	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.4	—	—	0.053	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.5	—	—	0.053	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73	—	—	0.053	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.8	—	—	0.053	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	E	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	E	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	—	1	µS/cm	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	—	1	µS/cm	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	160	—	—	3.63	µS/cm	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	3.63	µS/cm	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	159	—	—	3.63	µS/cm	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	67	—	—	1	µg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	75.8	—	—	1	µg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	69.3	—	—	1	µg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	71.9	—	—	1	µg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	69.3	—	—	1	µg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.34	—	—	0.133	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.59	—	—	0.133	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.32	—	—	0.133	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.3	—	—	0.133	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.43	—	—	0.133	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.423	—	—	0.33	mg/L	Y	J	J	2016-726	CAMO-16-110027	GELC
R-45 S2	974.9	11/11/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.377	—	—	0.33	mg/L	Y	J	J	2016-318	CAMO-16-106108	GELC
R-45 S2	974.9	08/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.436	—	—	0.33	mg/L	Y	J	J	2015-2043	CAMO-15-102587	GELC
R-45 S2	974.9	05/04/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.578	—	—	0.33	mg/L	Y	J	J	2015-1148	CAMO-15-95786	GELC
R-45 S2	974.9	02/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.474	—	—	0.33	mg/L	Y	J	J	2015-804	CAMO-15-92488	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.691	—	—	0.067	µg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.732	—	—	0.067	µg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.688	—	—	0.067	µg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.694	—	—	0.067	µg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.682	—	—	0.067	µg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-45 S2	974.9	02/10/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.38	—	—	1	µg/L	Y	—	NQ	2016-726	CAMO-16-110045	GELC
R-45 S2	974.9	11/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.89	—	—	1	µg/L	Y	—	NQ	2016-318	CAMO-16-106129	GELC
R-45 S2	974.9	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.96	—	—	1	µg/L	Y	—	NQ	2015-2043	CAMO-15-102611	GELC
R-45 S2	974.9	05/04/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.84	—	—	1	µg/L	Y	—	NQ	2015-1148	CAMO-15-95808	GELC
R-45 S2	974.9	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.9	—	—	1	µg/L	Y	—	NQ	2015-804	CAMO-15-92504	GELC
R-50 S1	1077	02/16/16	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	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.56	—	—	0.01	SU	Y	H	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.6	—	—	0.01	SU	Y	H	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	—	0.01	SU	Y	H	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.3	—	—	0.725	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	158	—	—	0.725	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	158	—	—	0.725	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.7	—	—	0.725	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.6	—	—	0.725	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.5	—	—	0.725	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.127	—	—	0.017	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0546	—	—	0.017	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0718	—	—	0.017	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.108	—	—	0.017	mg/L	Y	—	J	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.15	—	—	1.7	µg/L	Y	J	J	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	1.94	—	—	1.7	µg/L	Y	J	J	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.03	—	—	1.7	µg/L	Y	J	J	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.09	—	—	1.7	µg/L	Y	J	J	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	19.3	—	—	1	µg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.1	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.4	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.6	—	—	1	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18	—	—	1	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.9	—	—	1	µg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.4	—	—	15	µg/L	Y	J	J	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	15.4	—	—	15	µg/L	Y	J	J	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	16.1	—	—	15	µg/L	Y	J	J	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.9	—	—	15	µg/L	Y	J	J	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	16.7	—	—	15	µg/L	Y	J	J	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0921	—	—	0.067	mg/L	Y	J	J	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0847	—	—	0.067	mg/L	Y	J	J	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0971	—	—	0.067	mg/L	Y	J	J	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.2	—	—	0.05	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.78	—	—	0.067	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.33	—	—	0.067	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.26	—	—	0.067	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.13	—	—	0.067	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.12	—	—	0.067	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.64	—	—	0.067	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	139	—	—	2	µg/L	Y	—	J	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	93.9	—	—	2	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	95.7	—	—	2	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	103	—	—	2	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	114	—	—	2	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	117	—	—	2	µg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.256	—	—	0.033	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.31	—	—	0.033	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.287	—	—	0.033	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.255	—	—	0.033	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.3	—	—	0.453	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.3	—	—	0.453	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.3	—	—	0.453	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.8	—	—	0.453	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.4	—	—	0.453	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.8	—	—	0.453	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.16	—	—	0.11	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.6	—	—	0.11	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.55	—	—	0.11	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.99	—	—	0.11	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.94	—	—	0.11	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.78	—	—	0.11	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.942	—	—	0.165	µg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.875	—	—	0.165	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.897	—	—	0.165	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.878	—	—	0.165	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.893	—	—	0.165	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.856	—	—	0.165	µg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.99	—	—	0.5	µg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.3	—	—	0.5	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.63	—	—	0.5	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.34	—	—	0.5	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.99	—	—	0.5	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.99	—	—	0.5	µg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.72	—	—	0.085	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.89	—	—	0.085	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.9	—	—	0.085	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.398	—	—	0.017	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.84	—	—	0.085	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2	—	—	0.085	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.656	—	—	0.05	µg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.588	—	—	0.05	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.588	—	—	0.05	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.586	—	—	0.05	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.588	—	—	0.05	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.557	—	—	0.05	µg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.48	—	—	0.05	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.34	—	—	0.05	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.52	—	—	0.05	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.52	—	—	0.05	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.52	—	—	0.05	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.48	—	—	0.05	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.1	—	—	0.053	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.8	—	—	0.053	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.4	—	—	0.053	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.8	—	—	0.053	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	220	—	—	1	µS/cm	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	1	µS/cm	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	1	µS/cm	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	3.63	µS/cm	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	3.63	µS/cm	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	178	—	—	3.63	µS/cm	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	61.7	—	—	1	µg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	58.7	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	59.2	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	65.5	—	—	1	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	65.7	—	—	1	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	66.6	—	—	1	µg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.9	—	—	0.133	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.3	—	—	0.133	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.3	—	—	0.133	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.5	—	—	0.133	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.2	—	—	0.133	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.5	—	—	0.133	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	231	—	—	3.4	mg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	—	—	3.4	mg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	187	—	—	3.4	mg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	3.4	mg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0851	—	—	0.033	mg/L	Y	J	J	2016-752	CAMO-16-110028	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-302	CAMO-16-106069	GELC
R-50 S1	1077	11/09/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-302	CAMO-16-106110	GELC
R-50 S1	1077	08/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-2048	CAMO-15-102588	GELC
R-50 S1	1077	05/08/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-1179	CAMO-15-95788	GELC
R-50 S1	1077	02/23/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-819	CAMO-15-92489	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0454	—	—	0.017	mg/L	Y	J	J	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0372	—	—	0.017	mg/L	Y	J	U	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0279	—	—	0.017	mg/L	Y	J	U	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0332	—	—	0.017	mg/L	Y	J	J	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.046	—	—	0.017	mg/L	Y	J	U	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0338	—	—	0.017	mg/L	Y	J	J	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.514	—	—	0.067	µg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.473	—	—	0.067	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.47	—	—	0.067	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.549	—	—	0.067	µg/L	Y	—	NQ	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.507	—	—	0.067	µg/L	Y	—	NQ	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.514	—	—	0.067	µg/L	Y	—	NQ	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.7	—	—	1	µg/L	Y	J	J	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.94	—	—	1	µg/L	Y	J	J	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.05	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.95	—	—	1	µg/L	Y	J	J	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.75	—	—	1	µg/L	Y	J	J	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.93	—	—	1	µg/L	Y	J	J	2015-819	CAMO-15-92505	GELC
R-50 S1	1077	02/16/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.8	—	—	3.3	µg/L	Y	—	NQ	2016-752	CAMO-16-110046	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	12.1	—	—	3.3	µg/L	Y	—	NQ	2016-302	CAMO-16-106071	GELC
R-50 S1	1077	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	12.3	—	—	3.3	µg/L	Y	—	NQ	2016-302	CAMO-16-106131	GELC
R-50 S1	1077	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.16	—	—	3.3	µg/L	Y	J	J	2015-2048	CAMO-15-102612	GELC
R-50 S1	1077	05/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.36	—	—	3.3	µg/L	Y	J	J	2015-1179	CAMO-15-95810	GELC
R-50 S1	1077	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.95	—	—	3.3	µg/L	Y	J	J	2015-819	CAMO-15-92505	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.25	—	—	0.01	SU	Y	H	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.69	—	—	0.01	SU	Y	H	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.3	—	—	0.725	mg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	160	—	—	0.725	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2	—	—	0.725	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2	—	—	0.725	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.5	—	—	0.725	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.07	—	—	1.7	µg/L	Y	J	J	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.12	—	—	1.7	µg/L	Y	J	J	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.7	—	—	1	µg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.3	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25	—	—	1	µg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.9	—	—	1	µg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.8	—	—	0.05	mg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.2	—	—	0.05	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.5	—	—	0.05	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.99	—	—	0.067	mg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.05	—	—	0.067	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2	—	—	0.067	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.08	—	—	0.067	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.07	—	—	0.067	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.95	—	—	2	µg/L	Y	J	J	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.68	—	—	2	µg/L	Y	J	J	2016-302	CAMO-16-106132	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.73	—	—	2	µg/L	Y	J	J	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.87	—	—	2	µg/L	Y	J	J	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4	—	—	2	µg/L	Y	J	J	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.287	—	—	0.033	mg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.377	—	—	0.033	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.332	—	—	0.033	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.362	—	—	0.033	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.355	—	—	0.033	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.3	—	—	0.453	mg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.6	—	—	0.453	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.5	—	—	0.453	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.4	—	—	0.453	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.7	—	—	0.453	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.08	—	—	0.11	mg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.02	—	—	0.11	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.18	—	—	0.11	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.98	—	—	0.11	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.1	—	—	0.11	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.165	µg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.165	µg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.165	µg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.99	—	—	0.165	µg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.165	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.15	—	—	0.5	µg/L	Y	J	J	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.15	—	—	0.5	µg/L	Y	J	J	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.924	—	—	0.5	µg/L	Y	J	J	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.01	—	—	0.5	µg/L	Y	J	J	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.14	—	—	0.5	µg/L	Y	J	J	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.448	—	—	0.017	mg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.482	—	—	0.017	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.43	—	—	0.017	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.499	—	—	0.017	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.504	—	—	0.017	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.308	—	—	0.05	µg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.339	—	—	0.05	µg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.307	—	—	0.05	µg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.312	—	—	0.05	µg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.31	—	—	0.05	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.29	—	—	0.05	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.34	—	—	0.05	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.4	—	—	0.05	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.4	—	—	0.053	mg/L	Y	—	J+	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.4	—	—	0.053	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.2	—	—	0.053	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.2	—	—	0.053	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	150	—	—	1	µS/cm	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	µS/cm	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	3.63	µS/cm	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	3.63	µS/cm	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	3.63	µS/cm	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	48.7	—	—	1	µg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	47.6	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.6	—	—	1	µg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49	—	—	1	µg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.4	—	—	1	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.34	—	—	0.133	mg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.44	—	—	0.133	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.25	—	—	0.133	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.44	—	—	0.133	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.49	—	—	0.133	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	J	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	—	—	3.4	mg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	109	—	—	3.4	mg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.496	—	—	0.067	µg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.471	—	—	0.067	µg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.517	—	—	0.067	µg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.505	—	—	0.067	µg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.554	—	—	0.067	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.54	—	—	1	µg/L	Y	—	NQ	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.24	—	—	1	µg/L	Y	—	NQ	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.41	—	—	1	µg/L	Y	—	NQ	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.95	—	—	1	µg/L	Y	—	NQ	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.48	—	—	1	µg/L	Y	—	NQ	2015-819	CAMO-15-92506	GELC
R-50 S2	1185	02/09/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.18	—	—	3.3	µg/L	Y	J	J	2016-713	CAMO-16-110047	GELC
R-50 S2	1185	11/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-302	CAMO-16-106132	GELC
R-50 S2	1185	08/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-2048	CAMO-15-102613	GELC
R-50 S2	1185	05/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-1183	CAMO-15-95811	GELC
R-50 S2	1185	02/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-819	CAMO-15-92506	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.5	—	—	0.01	SU	Y	H	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.28	—	—	0.01	SU	Y	H	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.41	—	—	0.01	SU	Y	H	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.25	—	—	0.01	SU	Y	H	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	0.01	SU	Y	H	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	—	—	0.01	SU	Y	H	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	3.23	—	—	0.725	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.02	—	—	0.725	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.99	—	—	0.725	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-1191	CAMO-15-95762	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.05	—	—	0.725	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65	—	—	0.725	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64	—	—	0.725	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.7	—	—	0.725	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.3	—	—	0.725	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.3	—	—	0.725	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65	—	—	0.725	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.93	—	—	1.7	µg/L	Y	J	J	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	3.76	—	—	1.7	µg/L	Y	J	U	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.93	—	—	1.7	µg/L	Y	J	J	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	32.8	—	—	1	µg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.7	—	—	1	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.6	—	—	1	µg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.8	—	—	1	µg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.1	—	—	1	µg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.3	—	—	1	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.101	—	—	0.067	mg/L	Y	J	J	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0931	—	—	0.067	mg/L	Y	J	J	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0852	—	—	0.067	mg/L	Y	J	J	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0928	—	—	0.067	mg/L	Y	J	J	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0944	—	—	0.067	mg/L	Y	J	J	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0706	—	—	0.067	mg/L	Y	J	J	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.6	—	—	0.05	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.2	—	—	0.05	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.2	—	—	0.05	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.3	—	—	0.05	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.2	—	—	0.05	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.8	—	—	0.05	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.82	—	—	0.134	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.8	—	—	0.067	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.87	—	—	0.067	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.52	—	—	0.067	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.52	—	—	0.067	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.2	—	—	0.067	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	183	—	—	2	µg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	161	—	—	2	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	116	—	—	2	µg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	132	—	—	2	µg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	134	—	—	2	µg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	136	—	—	2	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.111	—	—	0.033	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.173	—	—	0.033	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.179	—	—	0.033	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.175	—	—	0.033	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.171	—	—	0.033	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.187	—	—	0.033	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	78.5	—	—	0.453	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.3	—	—	0.453	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	69.7	—	—	0.453	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.9	—	—	0.453	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.7	—	—	0.453	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	72.1	—	—	0.453	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.96	—	—	0.11	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.53	—	—	0.11	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.28	—	—	0.11	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.67	—	—	0.11	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.66	—	—	0.11	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.51	—	—	0.11	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.808	—	—	0.165	µg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.879	—	—	0.165	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.763	—	—	0.165	µg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.707	—	—	0.165	µg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.699	—	—	0.165	µg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.838	—	—	0.165	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.74	—	—	0.5	µg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.6	—	—	0.5	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.92	—	—	0.5	µg/L	Y	J	J	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.89	—	—	0.5	µg/L	Y	J	J	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.99	—	—	0.5	µg/L	Y	J	J	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.51	—	—	0.5	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.36	—	—	0.017	mg/L	Y	—	J	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.25	—	—	0.085	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.96	—	—	0.085	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.16	—	—	0.017	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.017	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.34	—	—	0.085	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.881	—	—	0.05	µg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.809	—	—	0.05	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.828	—	—	0.05	µg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.778	—	—	0.05	µg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.794	—	—	0.05	µg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.787	—	—	0.05	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.32	—	—	0.05	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.24	—	—	0.05	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.3	—	—	0.05	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.28	—	—	0.05	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.28	—	—	0.05	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.29	—	—	0.05	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.5	—	—	0.053	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.9	—	—	0.053	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.3	—	—	0.053	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.3	—	—	0.053	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.2	—	—	0.053	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	63.8	—	—	0.053	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	220	—	—	3.63	µS/cm	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	3.63	µS/cm	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	176	—	—	3.63	µS/cm	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	183	—	—	3.63	µS/cm	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	3.63	µS/cm	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	3.63	µS/cm	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	86.9	—	—	1	µg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	88.2	—	—	1	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	85.8	—	—	1	µg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.6	—	—	1	µg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	90.1	—	—	1	µg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	83	—	—	1	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18.6	—	—	0.133	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	17	—	—	0.133	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.7	—	—	0.133	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.8	—	—	0.133	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.8	—	—	0.133	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16	—	—	0.133	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.39	—	—	2.5	µg/L	Y	J	J	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	2.96	—	—	2.5	µg/L	Y	J	J	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	207	—	—	3.4	mg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	290	—	—	3.4	mg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.367	—	—	0.33	mg/L	Y	J	J	2016-783	CAMO-16-110031	GELC
R-62	1158.4	11/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2016-383	CAMO-16-106114	GELC
R-62	1158.4	08/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2015-2157	CAMO-15-102591	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2015-1191	CAMO-15-95759	GELC
R-62	1158.4	05/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2015-1191	CAMO-15-95792	GELC
R-62	1158.4	02/24/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.476	—	—	0.33	mg/L	Y	J	J	2015-823	CAMO-15-92492	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.028	—	—	0.017	mg/L	Y	J	J	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0434	—	—	0.017	mg/L	Y	J	J	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0407	—	—	0.017	mg/L	Y	J	U	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0509	—	—	0.017	mg/L	Y	—	U	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0501	—	—	0.017	mg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.842	—	—	0.067	µg/L	Y	—	NQ	2016-783	CAMO-16-110049	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.906	—	—	0.067	µg/L	Y	—	NQ	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.907	—	—	0.067	µg/L	Y	—	NQ	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.879	—	—	0.067	µg/L	Y	—	NQ	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.884	—	—	0.067	µg/L	Y	—	NQ	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.941	—	—	0.067	µg/L	Y	—	NQ	2015-823	CAMO-15-92508	GELC
R-62	1158.4	02/19/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.08	—	—	1	µg/L	Y	J	J	2016-783	CAMO-16-110049	GELC
R-62	1158.4	11/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.98	—	—	1	µg/L	Y	J	J	2016-383	CAMO-16-106135	GELC
R-62	1158.4	08/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.44	—	—	1	µg/L	Y	J	J	2015-2157	CAMO-15-102615	GELC
R-62	1158.4	05/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.46	—	—	1	µg/L	Y	J	J	2015-1191	CAMO-15-95762	GELC
R-62	1158.4	05/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.31	—	—	1	µg/L	Y	J	J	2015-1191	CAMO-15-95814	GELC
R-62	1158.4	02/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.93	—	—	1	µg/L	Y	J	J	2015-823	CAMO-15-92508	GELC
R-67	1242.6	02/03/16	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	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	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	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.4	—	—	0.725	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.9	—	—	0.725	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0283	—	—	0.017	mg/L	Y	J	J	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.5	—	—	1	µg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.4	—	—	1	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.1	—	—	15	µg/L	Y	J	J	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.4	—	—	0.05	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.26	—	—	0.067	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.31	—	—	0.067	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.12	—	—	2	µg/L	Y	J	J	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.11	—	—	2	µg/L	Y	J	J	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.145	—	—	0.033	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.106	—	—	0.033	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.5	—	—	0.453	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.8	—	—	0.453	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	38.3	—	—	30	µg/L	Y	J	J	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.25	—	—	0.11	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.96	—	—	0.11	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	93.2	—	—	2	µg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	33.5	—	—	2	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.98	—	—	0.165	µg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.87	—	—	0.165	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.91	—	—	0.5	µg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.687	—	—	0.5	µg/L	Y	J	J	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.322	—	—	0.017	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.385	—	—	0.017	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.3	—	—	0.05	µg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.35	—	—	0.05	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.93	—	—	0.05	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.86	—	—	0.05	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.3	—	—	0.053	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.2	—	—	0.053	mg/L	Y	—	NQ	2016-457	CASA-16-106065	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-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.4	—	—	0.1	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.6	—	—	0.1	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	207	—	—	1	µS/cm	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	1	µS/cm	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	76.6	—	—	1	µg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	75.5	—	—	1	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.09	—	—	0.133	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.6	—	—	0.133	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	H	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	256	—	—	3.4	mg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	157	—	—	3.4	mg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.442	—	—	0.33	mg/L	Y	J	J	2016-678	CASA-16-110060	GELC
R-67	1242.6	12/03/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.412	—	—	0.33	mg/L	Y	J	J	2016-457	CASA-16-106063	GELC
R-67	1242.6	02/03/16	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.691	0.684	2.253	—	pCi/L	Y	U	U	2016-731	CASA-16-110060	ARSL
R-67	1242.6	12/03/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.151	0.675	2.308	—	pCi/L	Y	U	U	2016-504	CASA-16-106063	ARSL
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.96	—	—	0.067	µg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.41	—	—	0.067	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
R-67	1242.6	02/03/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.15	—	—	1	µg/L	Y	—	NQ	2016-678	CASA-16-110069	GELC
R-67	1242.6	12/03/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.76	—	—	1	µg/L	Y	—	NQ	2016-457	CASA-16-106065	GELC
SCI-1	358.4	02/12/16	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	27.617	—	—	—	permil	Y	—	NQ	2016-747	CASA-16-110070	EES6
SCI-1	358.4	11/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	26.9413	—	—	—	permil	Y	—	NQ	2015-292	CASA-15-90263	EES6
SCI-1	358.4	11/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	26.98	—	—	—	permil	Y	—	NQ	2014-2513	CASA-14-45718	EES6
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	28.37	—	—	—	permil	N	—	NQ	12-351	CASA-12-1374	EES6
SCI-1	358.4	07/12/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	25.2169	—	—	—	permil	N	—	NQ	10-3648	CASA-10-22647	EES6
SCI-1	358.4	02/12/16	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	8.4519	—	—	—	permil	Y	—	NQ	2016-747	CASA-16-110070	EES6
SCI-1	358.4	11/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	5.88122	—	—	—	permil	Y	—	NQ	2015-292	CASA-15-90263	EES6
SCI-1	358.4	11/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	5.3	—	—	—	permil	Y	—	NQ	2014-2513	CASA-14-45718	EES6
SCI-1	358.4	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	5.84	—	—	—	permil	N	—	NQ	12-351	CASA-12-1374	EES6
SCI-1	358.4	07/12/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	6.82525	—	—	—	permil	N	—	NQ	10-3648	CASA-10-22647	EES6
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.64	—	—	0.01	SU	Y	H	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.59	—	—	0.01	SU	Y	H	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.64	—	—	0.01	SU	Y	H	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.68	—	—	0.01	SU	Y	H	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.83	—	—	0.01	SU	Y	H	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86	—	—	0.725	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.4	—	—	0.725	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.4	—	—	0.725	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.6	—	—	0.725	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	0.725	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.8	—	—	0.725	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.5	—	—	0.725	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.111	—	—	0.017	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0855	—	—	0.017	mg/L	Y	—	U	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0377	—	—	0.017	mg/L	Y	J	U	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0531	—	—	0.017	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0407	—	—	0.017	mg/L	Y	J	J	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0329	—	—	0.017	mg/L	Y	J	J	2015-1175	CASA-15-95834	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	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0852	—	—	0.017	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	69	—	—	1	µg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	72.1	—	—	1	µg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	71.6	—	—	1	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	69.4	—	—	1	µg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	69.2	—	—	1	µg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	71.1	—	—	1	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	71.8	—	—	1	µg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.6	—	—	15	µg/L	Y	J	J	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.4	—	—	15	µg/L	Y	J	J	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	24.1	—	—	15	µg/L	Y	J	J	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.7	—	—	15	µg/L	Y	J	J	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	20.4	—	—	15	µg/L	Y	J	J	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	24	—	—	15	µg/L	Y	J	J	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.2	—	—	15	µg/L	Y	J	J	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.666	—	—	0.067	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.667	—	—	0.067	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.661	—	—	0.067	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.661	—	—	0.067	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.667	—	—	0.067	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.643	—	—	0.067	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.655	—	—	0.067	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	64.9	—	—	0.05	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	69.3	—	—	0.05	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	69.2	—	—	0.05	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	65.5	—	—	0.05	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	65.2	—	—	0.05	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	70.8	—	—	0.05	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	71.2	—	—	0.05	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	68.7	—	—	0.67	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	70.4	—	—	0.67	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	70.2	—	—	0.67	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	69.9	—	—	0.67	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	69.9	—	—	0.67	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	63.8	—	—	1.34	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	69.2	—	—	0.67	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	355	—	—	2	µg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	418	—	—	2	µg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	415	—	—	2	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	432	—	—	10	µg/L	Y	—	J+	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	449	—	—	10	µg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	411	—	—	2	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	433	—	—	2	µg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00588	—	—	0.00167	mg/L	Y	—	J-	2016-743	CASA-16-110062	GELC
SCI-2	548	11/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00679	—	—	0.00167	mg/L	Y	—	J+	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00694	—	—	0.00167	mg/L	Y	—	NQ	2016-333	CASA-16-106220	GELC
SCI-2	548	08/10/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00844	—	—	0.00167	mg/L	Y	—	NQ	2015-2126	CASA-15-102621	GELC
SCI-2	548	08/10/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00805	—	—	0.00167	mg/L	Y	—	J+	2015-2126	CASA-15-102643	GELC
SCI-2	548	05/07/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00752	—	—	0.00167	mg/L	Y	—	NQ	2015-1175	CASA-15-95825	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	02/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00777	—	—	0.00167	mg/L	Y	—	NQ	2015-805	CASA-15-92517	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.144	—	—	0.033	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.133	—	—	0.033	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.136	—	—	0.033	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.186	—	—	0.033	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.19	—	—	0.033	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.144	—	—	0.033	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.151	—	—	0.033	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	226	—	—	0.453	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	241	—	—	0.453	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	240	—	—	0.453	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	228	—	—	0.453	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	226	—	—	0.453	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	245	—	—	0.453	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	248	—	—	0.453	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	15.4	—	—	0.11	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.5	—	—	0.11	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.3	—	—	0.11	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	15.6	—	—	0.11	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	15.5	—	—	0.11	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.7	—	—	0.11	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	17	—	—	0.11	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	15.3	—	—	0.5	µg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	19.6	—	—	0.5	µg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	19.1	—	—	0.5	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.2	—	—	0.5	µg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	18.3	—	—	0.5	µg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	15.4	—	—	0.5	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.9	—	—	0.5	µg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.12	—	—	0.085	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.95	—	—	0.17	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4	—	—	0.17	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.19	—	—	0.17	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.11	—	—	0.17	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.07	—	—	0.17	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.56	—	—	0.085	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	15.193	—	—	—	permil	Y	—	NQ	2016-744	CASA-16-110071	EES6
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	14.646	—	—	—	permil	Y	—	NQ	2016-331	CASA-16-106222	EES6
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	13.924	—	—	—	permil	Y	—	NQ	2016-331	CASA-16-106261	EES6
SCI-2	548	11/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	14.9111	—	—	—	permil	Y	—	NQ	2015-292	CASA-15-90264	EES6
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	13.01	—	—	—	permil	N	—	NQ	12-330	CASA-12-1378	EES6
SCI-2	548	07/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Nitrogen Isotope Ratio	Nitrogen-15/Nitrogen-14 Ratio	N15N14	Y	11.3928	—	—	—	permil	N	—	NQ	10-3715	CASA-10-22651	EES6
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	3.772	—	—	—	permil	Y	—	NQ	2016-744	CASA-16-110071	EES6
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	2.0747	—	—	—	permil	Y	—	NQ	2016-331	CASA-16-106222	EES6
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	2.8529	—	—	—	permil	Y	—	NQ	2016-331	CASA-16-106261	EES6
SCI-2	548	11/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	1.35411	—	—	—	permil	Y	—	NQ	2015-292	CASA-15-90264	EES6
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	1.27	—	—	—	permil	N	—	NQ	12-330	CASA-12-1378	EES6
SCI-2	548	07/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	Generic:Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	O18O16-NO3	Y	3.42077	—	—	—	permil	N	—	NQ	10-3715	CASA-10-22651	EES6
SCI-2	548	02/11/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.918	—	—	0.05	µg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	11/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.972	—	—	0.05	µg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.945	—	—	0.05	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.938	—	—	0.05	µg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.899	—	—	0.05	µg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.97	—	—	0.05	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.932	—	—	0.05	µg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.55	—	—	0.05	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.04	—	—	0.05	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	4.01	—	—	0.05	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.67	—	—	0.05	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	3.68	—	—	0.05	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.74	—	—	0.05	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.91	—	—	0.05	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.6	—	—	0.053	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.9	—	—	0.053	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.5	—	—	0.053	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.1	—	—	0.053	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.8	—	—	0.053	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.7	—	—	0.053	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.3	—	—	0.053	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	21.7	—	—	0.1	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	23.4	—	—	0.1	mg/L	Y	—	J+	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	25.6	—	—	0.1	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	25	—	—	0.1	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	23	—	—	0.1	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	23.2	—	—	0.1	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	675	—	—	1	µS/cm	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	656	—	—	1	µS/cm	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	663	—	—	1	µS/cm	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	575	—	—	3.63	µS/cm	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	565	—	—	3.63	µS/cm	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	3.63	µS/cm	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	583	—	—	3.63	µS/cm	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	308	—	—	1	µg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	320	—	—	1	µg/L	Y	E	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	264	—	—	1	µg/L	Y	E	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	338	—	—	1	µg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	343	—	—	1	µg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	329	—	—	1	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	320	—	—	1	µg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	87.9	—	—	1.33	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	91.8	—	—	1.33	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	91.2	—	—	1.33	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	94.1	—	—	1.33	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	94.4	—	—	1.33	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	88.1	—	—	2.66	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	93.6	—	—	1.33	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.47	—	—	2.5	µg/L	Y	J	J	2016-743	CASA-16-110071	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.92	—	—	2.5	µg/L	Y	J	J	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.43	—	—	2.5	µg/L	Y	J	J	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	5.11	—	—	2.5	µg/L	Y	J	J	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	Y	6.14	—	—	2.5	µg/L	Y	J	J	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	100	—	—	25	µg/L	Y	U	U	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	357	—	—	3.4	mg/L	Y	H	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	796	—	—	3.4	mg/L	Y	—	J	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	483	—	—	3.4	mg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	454	—	—	3.4	mg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	450	—	—	3.4	mg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	443	—	—	3.4	mg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	430	—	—	3.4	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	386	—	—	3.4	mg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0858	—	—	0.033	mg/L	Y	J	J	2016-743	CASA-16-110062	GELC
SCI-2	548	11/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0633	—	—	0.033	mg/L	Y	J	J	2016-333	CASA-16-106220	GELC
SCI-2	548	08/10/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.109	—	—	0.033	mg/L	Y	—	NQ	2015-2126	CASA-15-102621	GELC
SCI-2	548	08/10/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.107	—	—	0.033	mg/L	Y	—	NQ	2015-2126	CASA-15-102643	GELC
SCI-2	548	05/07/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-1175	CASA-15-95825	GELC
SCI-2	548	02/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.109	—	—	0.033	mg/L	Y	—	U	2015-805	CASA-15-92517	GELC
SCI-2	548	02/11/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.807	—	—	0.33	mg/L	Y	J	J	2016-743	CASA-16-110062	GELC
SCI-2	548	11/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.776	—	—	0.33	mg/L	Y	J	J	2016-333	CASA-16-106248	GELC
SCI-2	548	11/13/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.738	—	—	0.33	mg/L	Y	J	J	2016-333	CASA-16-106220	GELC
SCI-2	548	08/10/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.832	—	—	0.33	mg/L	Y	J	J	2015-2126	CASA-15-102621	GELC
SCI-2	548	08/10/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.822	—	—	0.33	mg/L	Y	J	J	2015-2126	CASA-15-102643	GELC
SCI-2	548	05/07/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.893	—	—	0.33	mg/L	Y	J	J	2015-1175	CASA-15-95825	GELC
SCI-2	548	02/19/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.948	—	—	0.33	mg/L	Y	J	J	2015-805	CASA-15-92517	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0684	—	—	0.017	mg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0247	—	—	0.017	mg/L	Y	J	J	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0291	—	—	0.017	mg/L	Y	J	J	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-2126	CASA-15-102622	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-2126	CASA-15-102657	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.051	—	—	0.017	mg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0528	—	—	0.017	mg/L	Y	—	U	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.85	—	—	0.067	µg/L	Y	—	NQ	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.75	—	—	0.067	µg/L	Y	—	NQ	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.74	—	—	0.067	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.84	—	—	0.067	µg/L	Y	—	NQ	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.87	—	—	0.067	µg/L	Y	—	NQ	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.79	—	—	0.067	µg/L	Y	—	NQ	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.78	—	—	0.067	µg/L	Y	—	NQ	2015-805	CASA-15-92524	GELC
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.38	—	—	1	µg/L	Y	J	J	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.32	—	—	1	µg/L	Y	J	J	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.43	—	—	1	µg/L	Y	J	J	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.65	—	—	1	µg/L	Y	J	J	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.5	—	—	1	µg/L	Y	J	J	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.6	—	—	1	µg/L	Y	J	J	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	2015-805	CASA-15-92524	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	02/11/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.53	—	—	3.3	µg/L	Y	J	J	2016-743	CASA-16-110071	GELC
SCI-2	548	11/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	8.56	—	—	3.3	µg/L	Y	J	J	2016-333	CASA-16-106261	GELC
SCI-2	548	11/13/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	15	—	—	3.3	µg/L	Y	—	NQ	2016-333	CASA-16-106222	GELC
SCI-2	548	08/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.28	—	—	3.3	µg/L	Y	J	J	2015-2126	CASA-15-102657	GELC
SCI-2	548	08/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.96	—	—	3.3	µg/L	Y	J	J	2015-2126	CASA-15-102622	GELC
SCI-2	548	05/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.73	—	—	3.3	µg/L	Y	J	J	2015-1175	CASA-15-95834	GELC
SCI-2	548	02/19/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-805	CASA-15-92524	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	—	—	0.01	SU	Y	H	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	—	—	0.01	SU	Y	H	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.6	—	—	0.725	mg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.8	—	—	0.725	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.4	—	—	0.725	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.1	—	—	0.725	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0415	—	—	0.017	mg/L	Y	J	J	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0456	—	—	0.017	mg/L	Y	J	J	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.9	—	—	1	µg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.5	—	—	1	µg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.7	—	—	1	µg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.4	—	—	1	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	16.2	—	—	15	µg/L	Y	J	J	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.7	—	—	15	µg/L	Y	J	J	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.16	—	—	0.067	mg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.26	—	—	0.067	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.22	—	—	0.067	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.23	—	—	0.067	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.75	—	—	2	µg/L	Y	J	J	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.29	—	—	2	µg/L	Y	J	J	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.22	—	—	2	µg/L	Y	J	J	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.01	—	—	2	µg/L	Y	J	J	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.217	—	—	0.033	mg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.22	—	—	0.033	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.6	—	—	0.453	mg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.8	—	—	0.453	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46	—	—	0.453	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.2	—	—	0.453	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.36	—	—	0.11	mg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.38	—	—	0.11	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.37	—	—	0.11	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.23	—	—	0.11	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.37	—	—	0.165	µg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.165	µg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.165	µg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.165	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.543	—	—	0.5	µg/L	Y	J	J	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.541	—	—	0.5	µg/L	Y	J	U	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.73	—	—	0.017	mg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.77	—	—	0.017	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.758	—	—	0.017	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.706	—	—	0.017	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.432	—	—	0.05	µg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.438	—	—	0.05	µg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.437	—	—	0.05	µg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.422	—	—	0.05	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.44	—	—	0.05	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.8	—	—	0.053	mg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76	—	—	0.053	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.5	—	—	0.053	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	E	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	149	—	—	1	µS/cm	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	146	—	—	1	µS/cm	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	µS/cm	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	143	—	—	1	µS/cm	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.7	—	—	1	µg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.8	—	—	1	µg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.7	—	—	1	µg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.6	—	—	1	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.82	—	—	0.133	mg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.81	—	—	0.133	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.81	—	—	0.133	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.91	—	—	0.133	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	J	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	380	—	—	3.4	mg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	106	—	—	3.4	mg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0588	—	—	0.033	mg/L	Y	J	J	2016-775	CAMO-16-110032	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	2016-414	CASA-16-106249	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-414	CASA-16-106221	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
SIMR-2	885	10/23/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-125	CASA-16-106064	GELC
SIMR-2	885	02/18/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.418	—	—	0.33	mg/L	Y	J	J	2016-775	CAMO-16-110032	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2016-414	CASA-16-106249	GELC
SIMR-2	885	11/24/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2016-414	CASA-16-106221	GELC
SIMR-2	885	10/23/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.95	—	—	0.33	mg/L	Y	J	J-	2016-125	CASA-16-106064	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0687	—	—	0.017	mg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0399	—	—	0.017	mg/L	Y	J	U	2016-414	CASA-16-106223	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0436	—	—	0.017	mg/L	Y	J	U	2016-414	CASA-16-106262	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.932	0.606	1.941	—	pCi/L	Y	U	UJ	2016-771	CAMO-16-110032	ARSL
SIMR-2	885	11/24/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.415	0.78	2.677	—	pCi/L	Y	U	U	2016-452	CASA-16-106249	ARSL
SIMR-2	885	11/24/15	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.602	0.743	2.554	—	pCi/L	Y	U	U	2016-452	CASA-16-106221	ARSL
SIMR-2	885	10/23/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.751	0.686	2.251	—	pCi/L	Y	U	U	2016-177	CASA-16-106064	ARSL
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.549	—	—	0.067	µg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.497	—	—	0.067	µg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.503	—	—	0.067	µg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.487	—	—	0.067	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC
SIMR-2	885	02/18/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.78	—	—	1	µg/L	Y	—	NQ	2016-775	CAMO-16-110050	GELC
SIMR-2	885	11/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.62	—	—	1	µg/L	Y	—	NQ	2016-414	CASA-16-106262	GELC
SIMR-2	885	11/24/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.67	—	—	1	µg/L	Y	—	NQ	2016-414	CASA-16-106223	GELC
SIMR-2	885	10/23/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.72	—	—	1	µg/L	Y	—	NQ	2016-125	CASA-16-106066	GELC

Appendix D

Groundwater Results Greater Than Half of Screening Levels

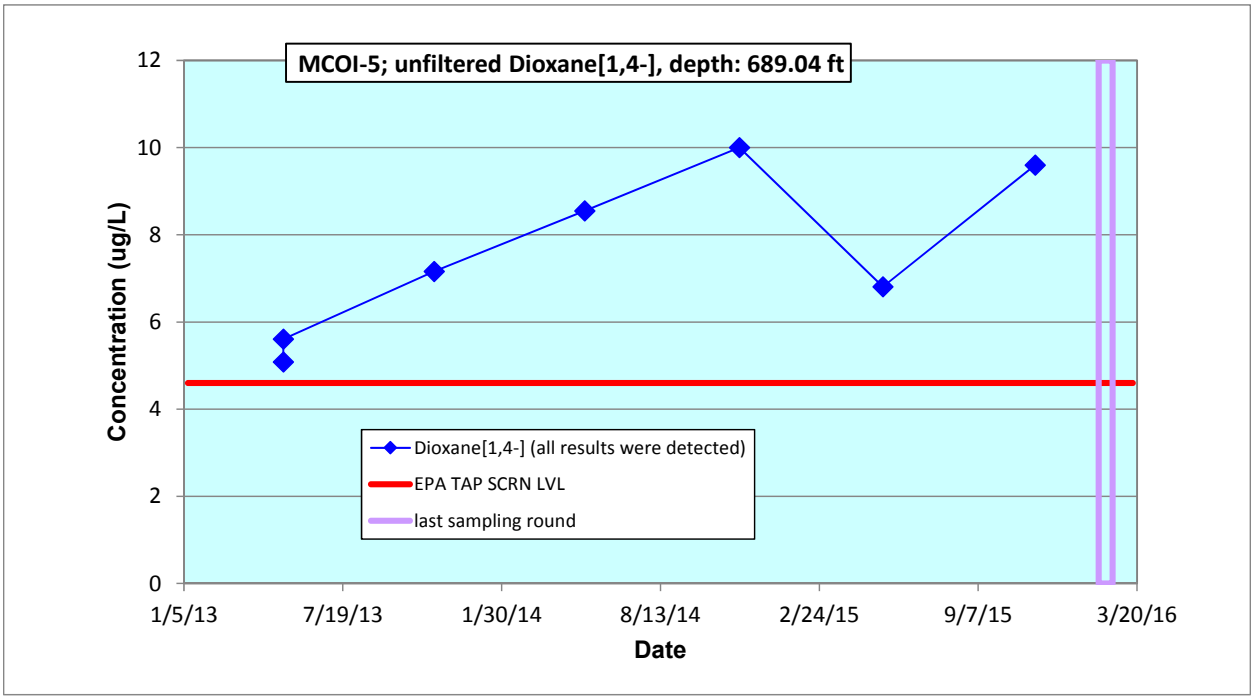
Zone	Location	Screen Top Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Prep Code	Analysis Type Code	Field Quality Control Code	Detect Flag	Report Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Intermediate	MCOI-5	689.04	02/05/16	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F[a]	INIT[b]	FD[c]	Y[d]	5.6	0.17	mg/L	10	—[e]	NQ[f]	NQ	Y	EPA:353.2	GELC[g]	10	EPA MCL[h]	0.56
Intermediate	MCOI-5	689.04	02/05/16	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG[i]	Y	5.5	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.55
Intermediate	MCOI-5	689.04	02/05/16	LCMS/MS[j] Perchlorate	Perchlorate	ClO4	F	INIT	FD	Y	99.4	10	µg/L	200	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	24.85
Intermediate	MCOI-5	689.04	02/05/16	LCMS/MS Perchlorate	Perchlorate	ClO4	F	INIT	REG	Y	99.4	10	µg/L	200	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	24.85
Intermediate	MCOI-6	686	02/08/16	Inorganic	Chromium	Cr	F	INIT	REG	Y	78.8	2	µg/L	1	—	J[k]	I4a[l]	Y	SW-846:6020	GELC	50	NMWQCC GW STD[m]	1.58
Intermediate	MCOI-6	686	02/08/16	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	8.48	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.85
Intermediate	MCOI-6	686	02/08/16	LCMS/MS Perchlorate	Perchlorate	ClO4	F	INIT	REG	Y	69.1	5	µg/L	100	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	17.28
Intermediate	SCI-2	548	02/11/16	Inorganic	Chromium	Cr	F	INIT	REG	Y	355	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	7.10
Intermediate	SCI-2	548	02/11/16	General Chemistry	Total Dissolved Solids	TDS	F	INIT	REG	Y	796	3.4	mg/L	1	—	J	I10a[n]	Y	EPA:160.1	GELC	1000	NMWQCC GW STD	0.80
Regional	R-11	855	02/08/16	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.2	0.085	mg/L	5	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.52
Regional	R-13	958.33	02/17/16	General Chemistry	Total Dissolved Solids	TDS	F	INIT	REG	Y	671	3.4	mg/L	1	—	J	I10b[o]	Y	EPA:160.1	GELC	1000	NMWQCC GW STD	0.67
Regional	R-15	958.6	02/04/16	LCMS/MS Perchlorate	Perchlorate	ClO4	F	INIT	REG	Y	8.67	0.5	µg/L	10	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	2.17
Regional	R-28	934.3	02/11/16	Inorganic	Chromium	Cr	F	INIT	REG	Y	404	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	8.08
Regional	R-28	934.3	02/11/16	General Chemistry	Total Dissolved Solids	TDS	F	INIT	REG	Y	720	3.4	mg/L	1	—	NQ	NQ	Y	EPA:160.1	GELC	1000	NMWQCC GW STD	0.72
Regional	R-42	931.8	02/04/16	Inorganic	Chromium	Cr	F	INIT	REG	Y	836	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	16.72
Regional	R-42	931.8	02/04/16	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.26	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.53
Regional	R-43 S1	903.9	02/16/16	Inorganic	Chromium	Cr	F	INIT	FD	Y	155	2	µg/L	1	—	J	I4a	Y	SW-846:6020	GELC	50	NMWQCC GW STD	3.10
Regional	R-43 S1	903.9	02/16/16	Inorganic	Chromium	Cr	F	INIT	REG	Y	153	2	µg/L	1	—	J	I4a	Y	SW-846:6020	GELC	50	NMWQCC GW STD	3.06
Regional	R-43 S1	903.9	02/16/16	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	FD	Y	5.89	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.59
Regional	R-43 S1	903.9	02/16/16	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	6.15	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.62
Regional	R-45 S1	880	02/10/16	Inorganic	Chromium	Cr	F	INIT	REG	Y	39.8	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	0.80
Regional	R-50 S1	1077	02/16/16	Inorganic	Chromium	Cr	F	INIT	REG	Y	139	2	µg/L	1	—	J	I4a	Y	SW-846:6020	GELC	50	NMWQCC GW STD	2.78
Regional	R-62	1158.4	02/19/16	Inorganic	Chromium	Cr	F	INIT	REG	Y	183	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	3.66

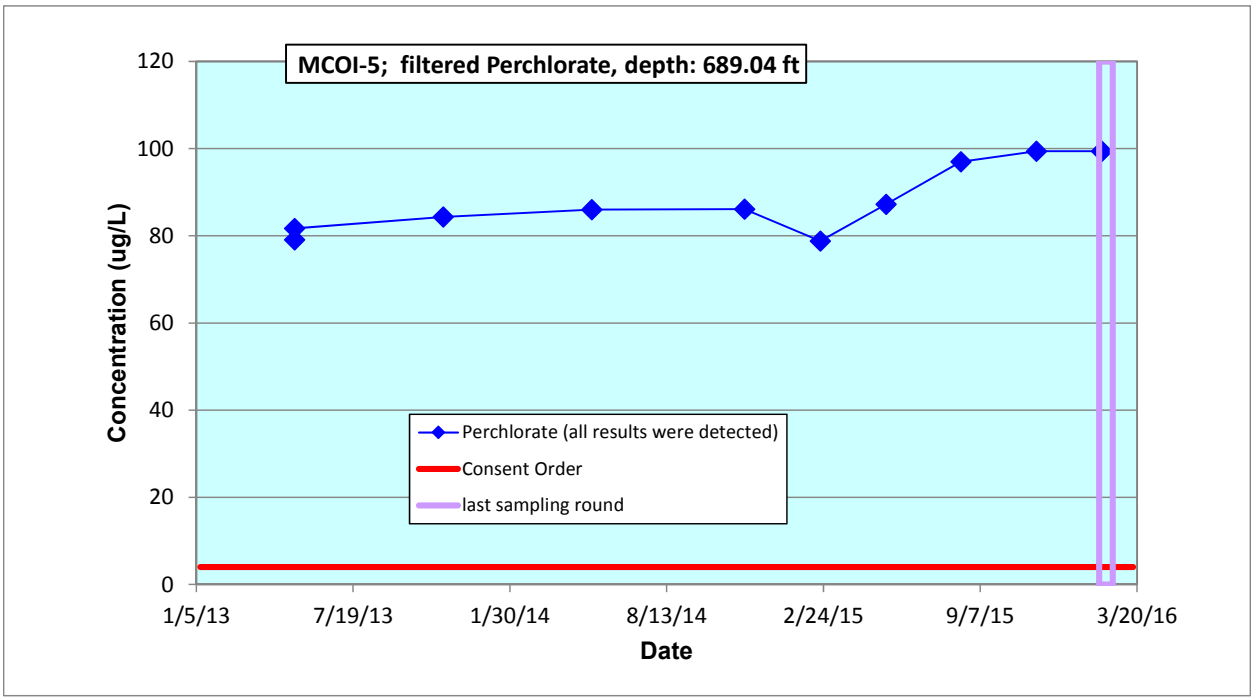
[a] F = Filtered.
[b] INIT = Initial.
[c] FD = Field duplicate.
[d] Y = Yes.
[e] — = None.
[f] NQ = Not qualified.
[g] GELC = General Engineering Laboratories, Inc., Charleston, SC.
[h] EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.
[i] REG = Regular.
[j] LCMS/MS = Liquid chromatography mass spectrometry/mass spectrometry.
[k] In this column, J = The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.
[l] I4a = The affected analyte is considered estimated and biased high because this analyte was identified in the method blank, but the sample result was >5 times the concentration of the related analyte in the method blank.
[m] NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.
[n] I10a = The sample and the duplicate sample results were ≥5 times the reporting limit, and the duplicate relative percent difference
[o] I10b = The sample and/or the duplicate sample results relative percent difference is not within the acceptance limits. Follow the external laboratory limits located within the associated data package.

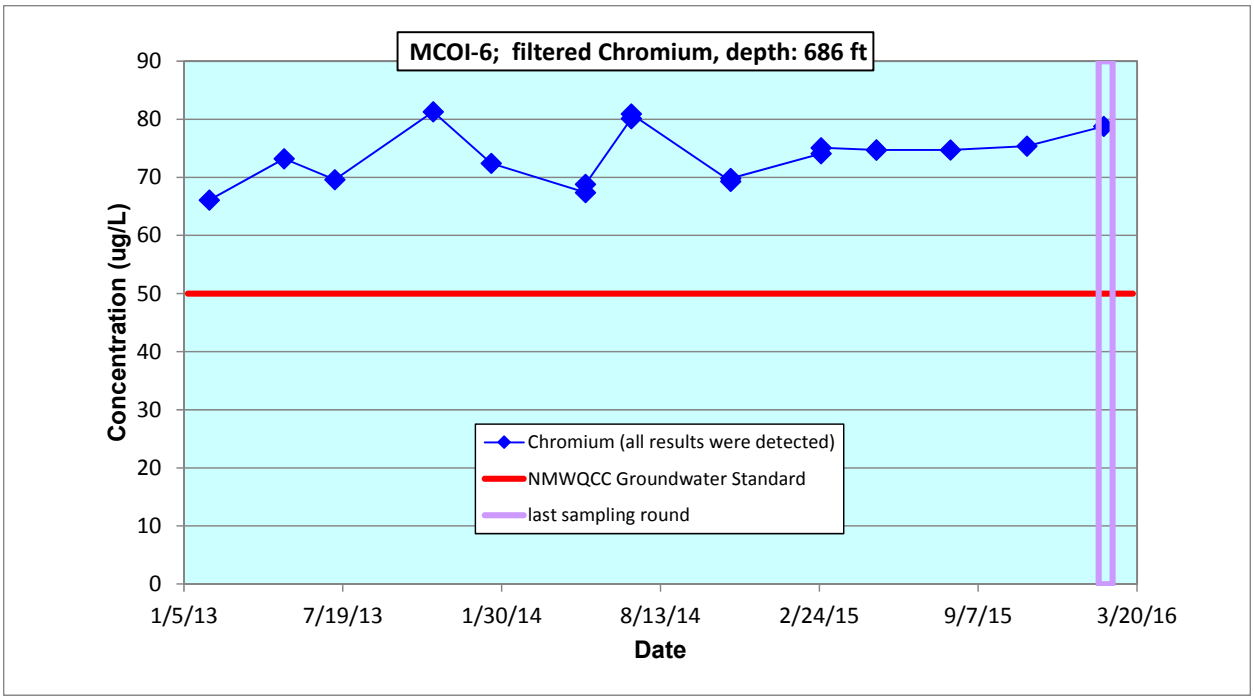
Appendix E

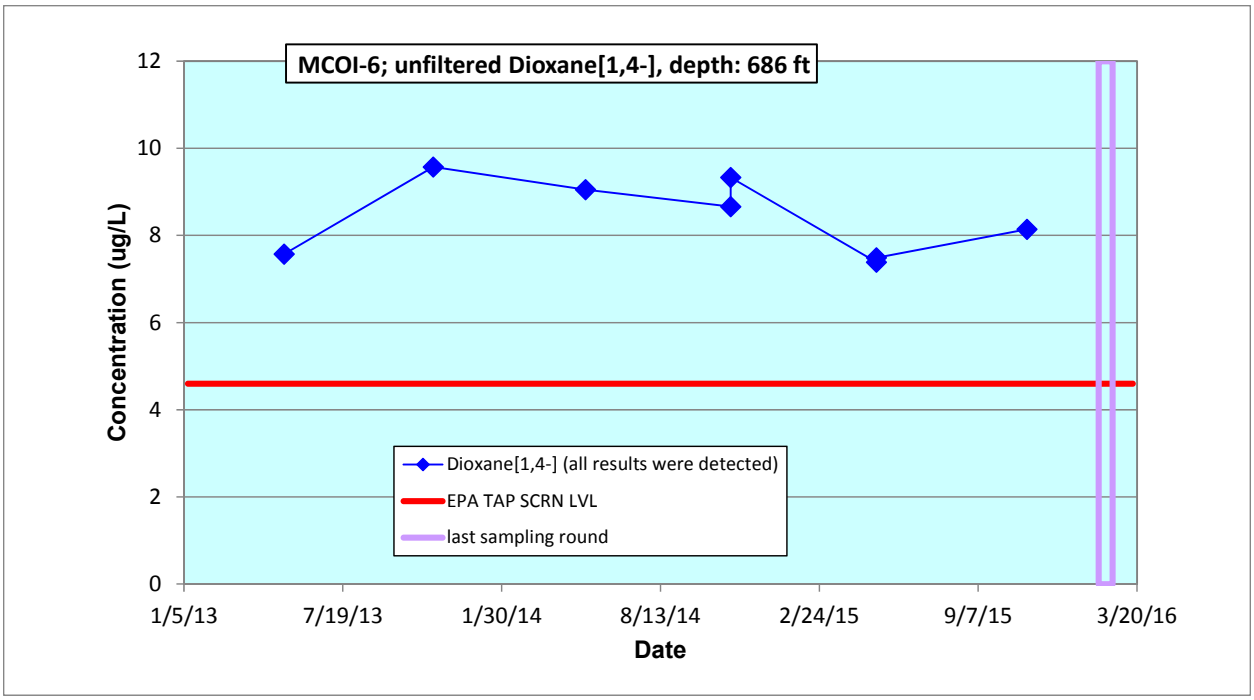
Analytical Chemistry Graphs of Screening-Level Exceedances

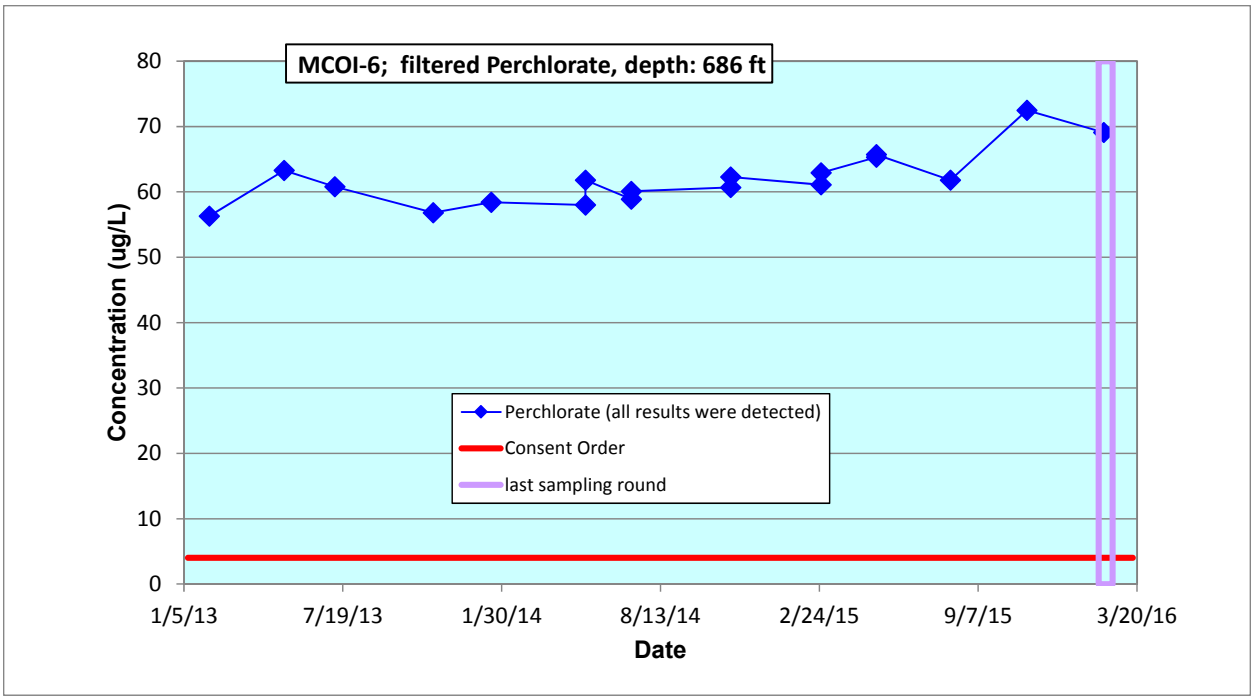
Note: The depths in the concentration plots are screen top depths (see Table 2.0-1).

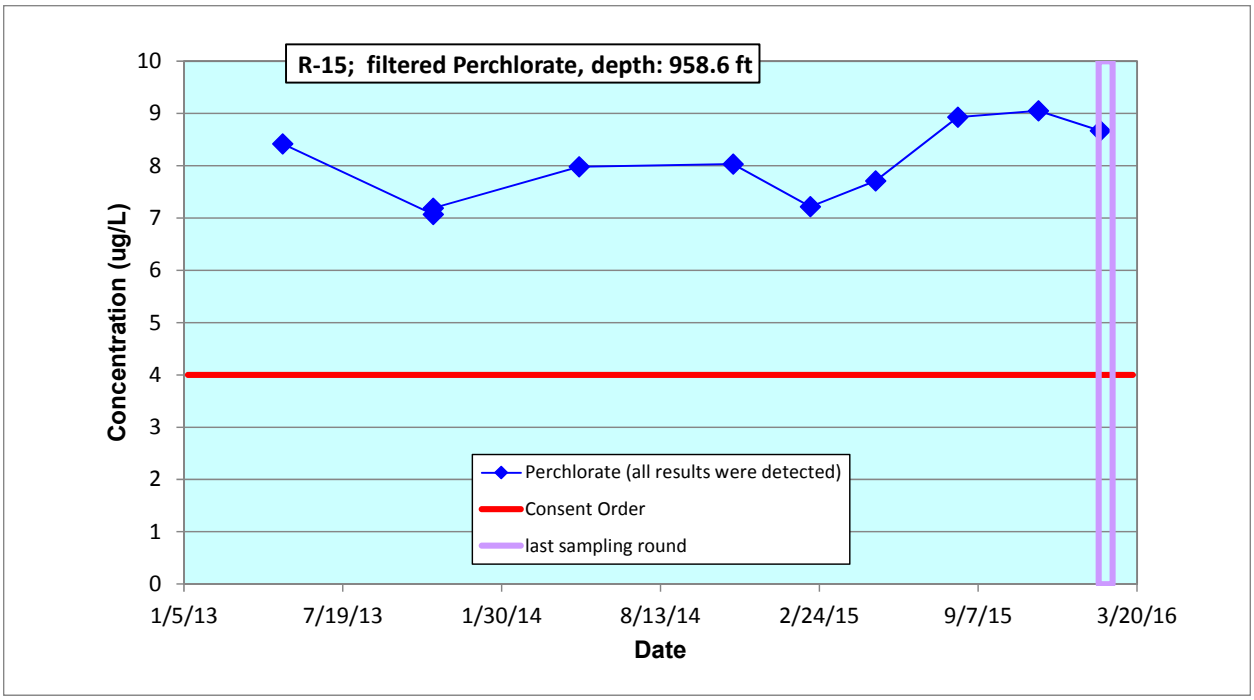


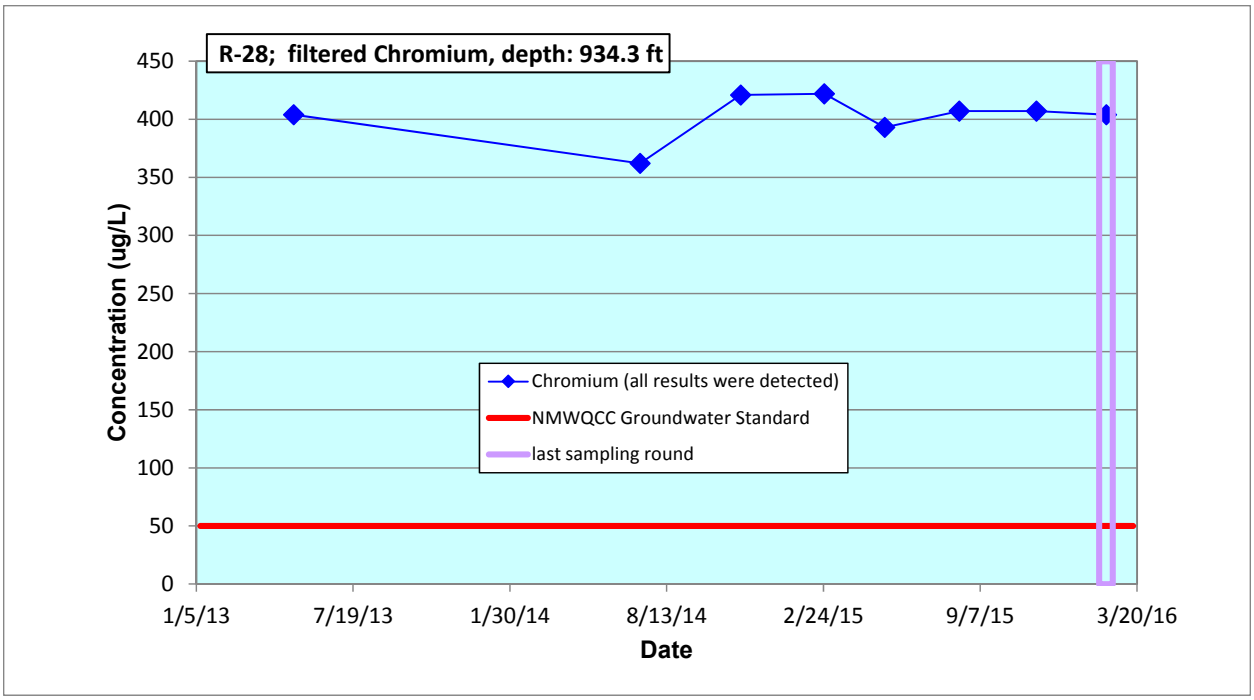


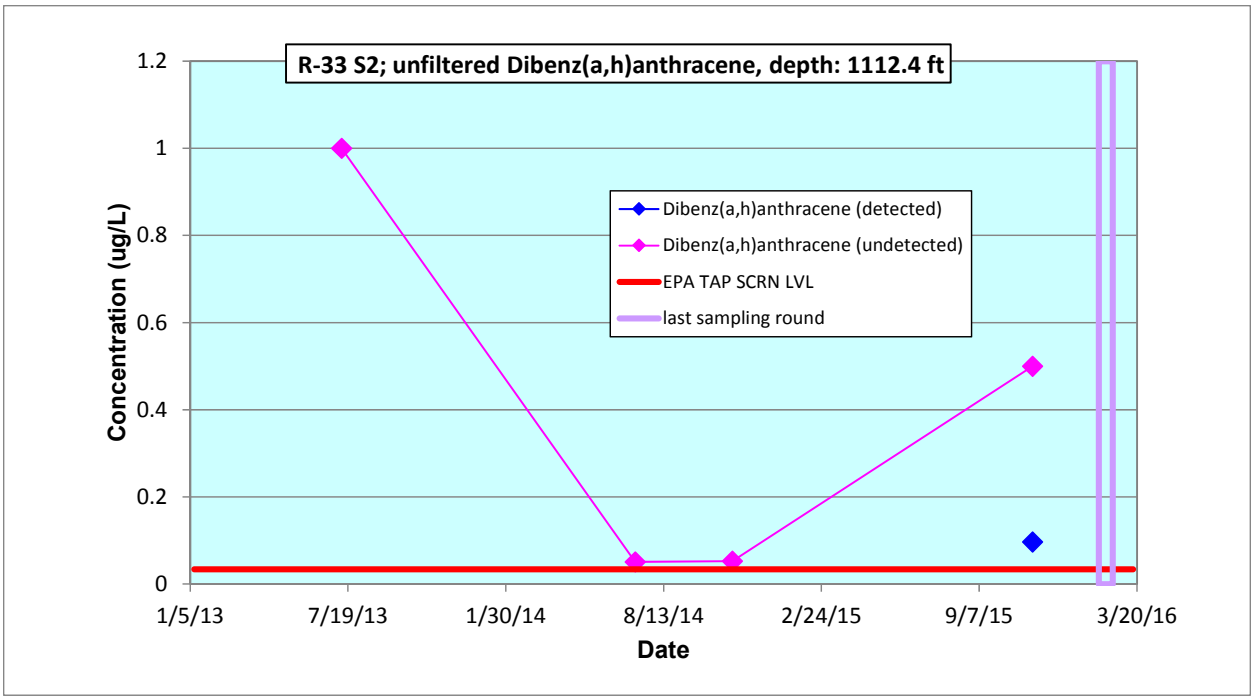

MCOI-6; filtered Chromium, depth: 686 ft
Concentration (ug/L)
90
80
70
60
50
40
30
20
10
0
1/5/13
7/19/13
1/30/14
8/13/14
2/24/15
9/7/15
3/20/16
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round

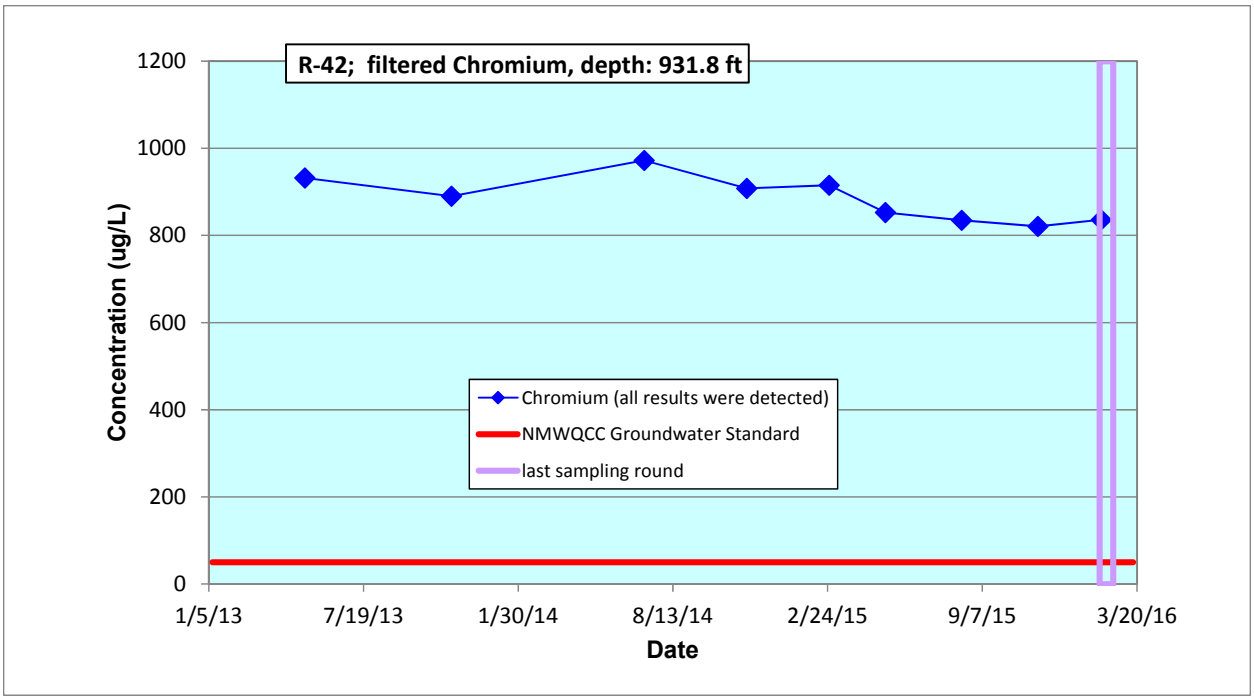

MCOI-6; unfiltered Dioxane[1,4-], depth: 686 ft
Concentration (ug/L)
12
10
8
6
4
2
0
1/5/13
7/19/13
1/30/14
8/13/14
2/24/15
9/7/15
3/20/16
Date
Dioxane[1,4-] (all results were detected)
EPA TAP SCRN LVL
last sampling round

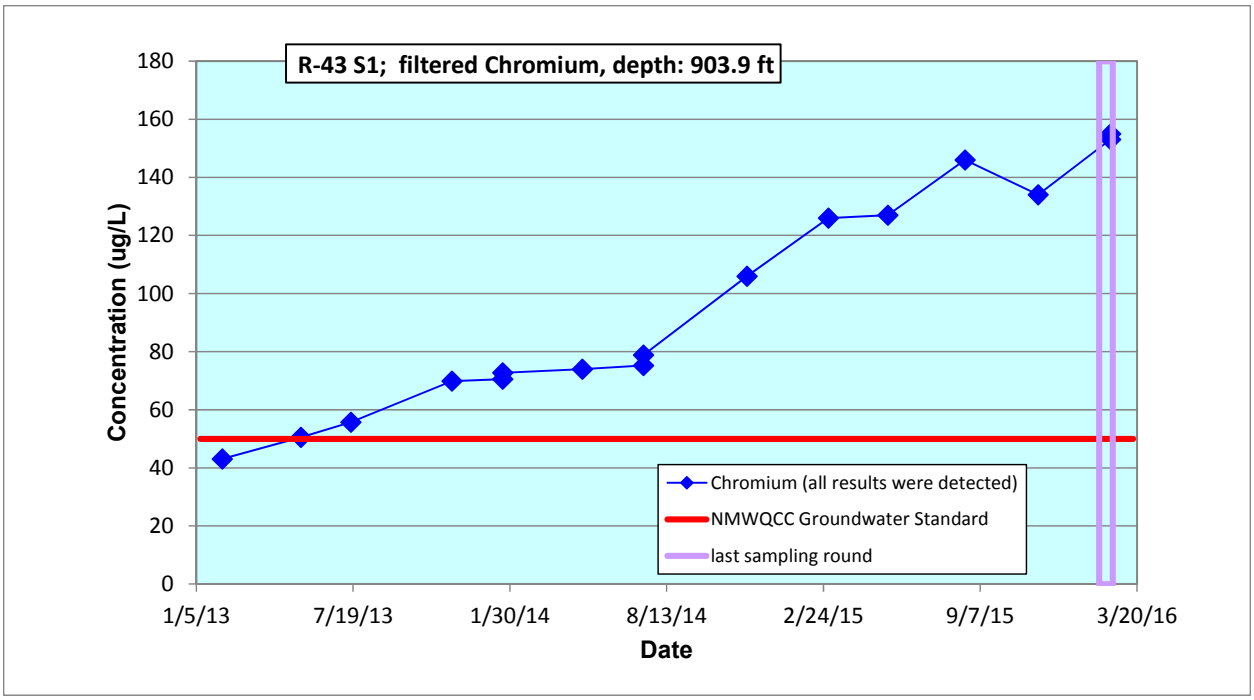

MCOI-6; filtered Perchlorate, depth: 686 ft
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
1/5/13
7/19/13
1/30/14
8/13/14
2/24/15
9/7/15
3/20/16
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

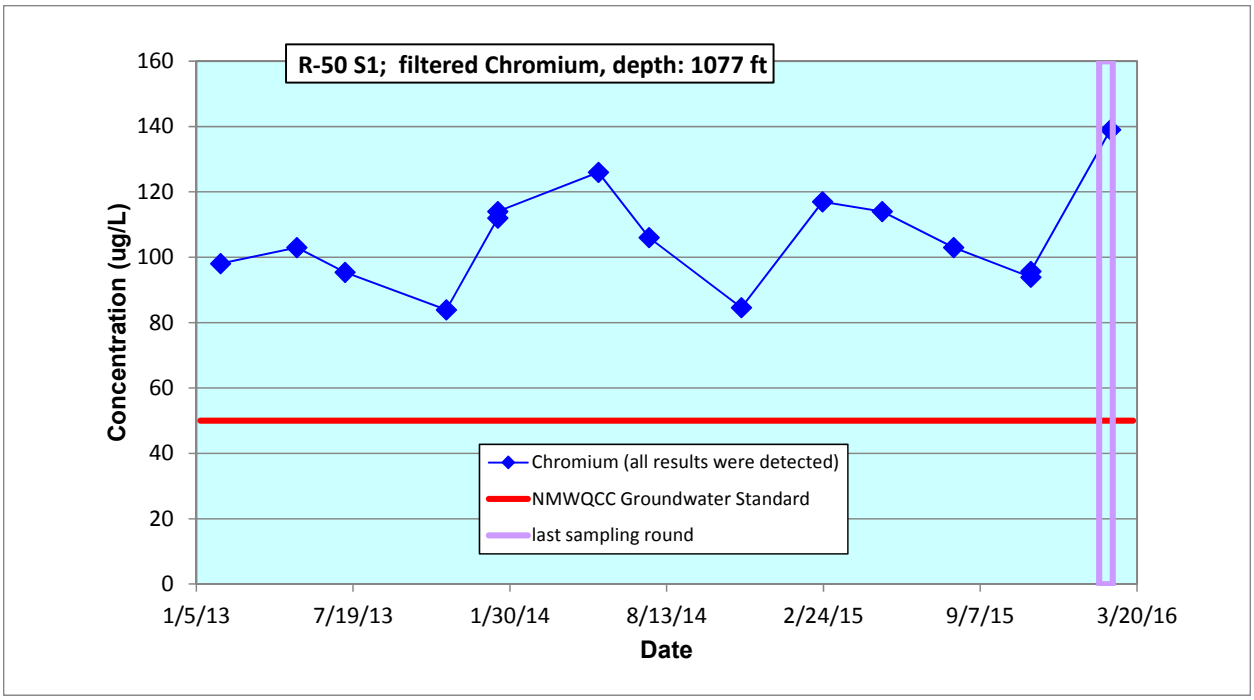

R-15; filtered Perchlorate, depth: 958.6 ft
Concentration (ug/L)
10
9
8
7
6
5
4
3
2
1
0
1/5/13
7/19/13
1/30/14
8/13/14
2/24/15
9/7/15
3/20/16
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

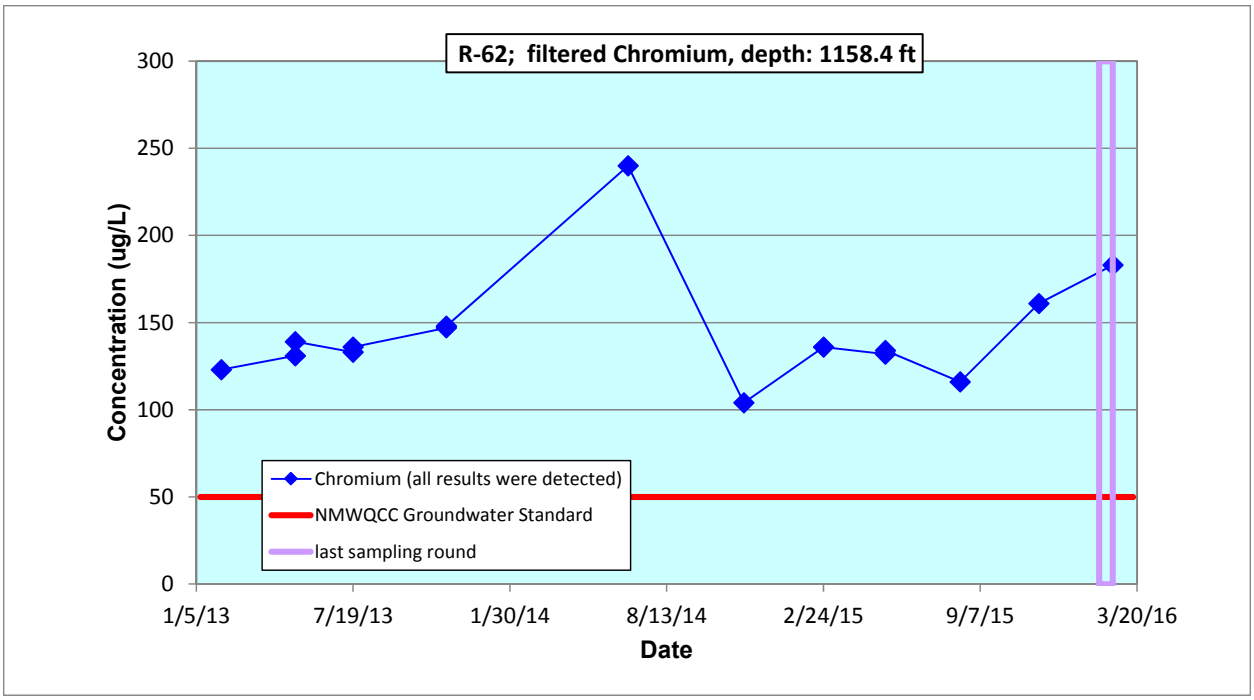

R-28; filtered Chromium, depth: 934.3 ft
Concentration (ug/L)
450
400
350
300
250
200
150
100
50
0
1/5/13
7/19/13
1/30/14
8/13/14
2/24/15
9/7/15
3/20/16
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round

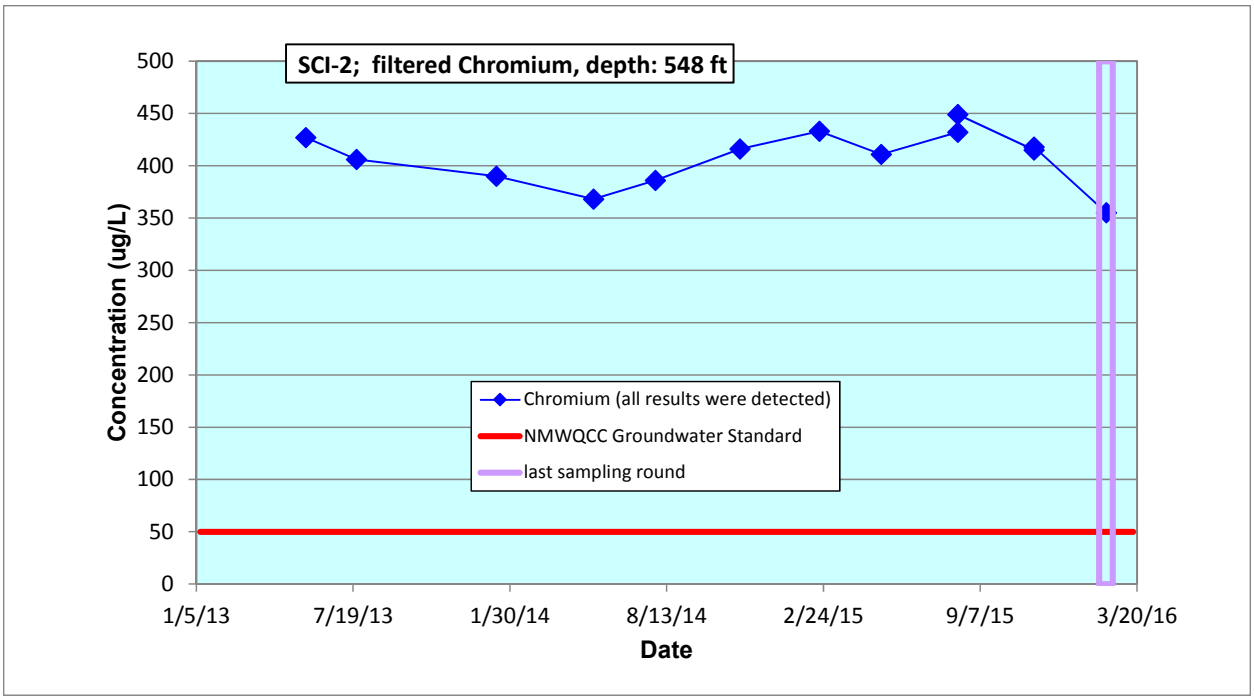

R-33 S2; unfiltered Dibenz(a,h)anthracene, depth: 1112.4 ft
Concentration (ug/L)
1.2
1
0.8
0.6
0.4
0.2
0
1/5/13
7/19/13
1/30/14
8/13/14
2/24/15
9/7/15
3/20/16
Date
Dibenz(a,h)anthracene (detected)
Dibenz(a,h)anthracene (undetected)
EPA TAP SCRN LVL
last sampling round


R-42; filtered Chromium, depth: 931.8 ft
Concentration (ug/L)
1200
1000
800
600
400
200
0
1/5/13
7/19/13
1/30/14
8/13/14
2/24/15
9/7/15
3/20/16
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round


R-43 S1; filtered Chromium, depth: 903.9 ft
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
1/5/13
7/19/13
1/30/14
8/13/14
2/24/15
9/7/15
3/20/16
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round


R-50 S1; filtered Chromium, depth: 1077 ft
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
1/5/13
7/19/13
1/30/14
8/13/14
2/24/15
9/7/15
3/20/16
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round


R-62; filtered Chromium, depth: 1158.4 ft
Concentration (ug/L)
300
250
200
150
100
50
0
1/5/13
7/19/13
1/30/14
8/13/14
2/24/15
9/7/15
3/20/16
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round


SCI-2; filtered Chromium, depth: 548 ft
Concentration (ug/L)
500
450
400
350
300
250
200
150
100
50
0
1/5/13
7/19/13
1/30/14
8/13/14
2/24/15
9/7/15
3/20/16
Date
Chromium (all results were detected)
NMWQCC Groundwater Standard
last sampling round

Appendix F

Analytical Reports
(on CD included with this document)

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2016-137	Inorganic	EES6[a]	CASA-16-106066	10/23/15	SIMR-2	885	905.4
2016-290	Inorganic	EES6	CASA-16-106255	11/06/15	R-35b	825.4	848.5
2016-291	Inorganic	EES6	CAMO-16-106116	11/06/15	MCOI-6	686	708.3
2016-295	Inorganic	EES6	CASA-16-106254	11/09/15	R-35a	1013.1	1062.2
2016-296	Inorganic	EES6	CAMO-16-106131	11/09/15	R-50 S1	1077	1087
2016-296	Inorganic	EES6	CAMO-16-106132	11/09/15	R-50 S2	1185	1205.6
2016-296	Inorganic	EES6	CAMO-16-106071	11/09/15	R-50 S1	1077	1087
2016-306	Inorganic	EES6	CAMO-16-106118	11/10/15	R-13	958.33	1018.72
2016-308	Inorganic	EES6	CASA-16-106253	11/11/15	R-11	855	877.9
2016-309	Inorganic	EES6	CAMO-16-106128	11/11/15	R-45 S1	880	890
2016-309	Inorganic	EES6	CAMO-16-106129	11/11/15	R-45 S2	974.9	994.9
2016-331	Inorganic	EES6	CASA-16-106222	11/13/15	SCI-2	548	568
2016-331	Inorganic	EES6	CASA-16-106261	11/13/15	SCI-2	548	568
2016-332	Inorganic	EES6	CAMO-16-106122	11/12/15	R-33 S1	995.5	1018.5
2016-332	Inorganic	EES6	CAMO-16-106123	11/12/15	R-33 S2	1112.4	1122.3
2016-332	Inorganic	EES6	CAMO-16-106126	11/12/15	R-44 S1	895	905
2016-332	Inorganic	EES6	CAMO-16-106127	11/12/15	R-44 S2	985.3	995.2
2016-345	Inorganic	EES6	CAMO-16-106115	11/16/15	MCOI-5	689.04	699
2016-348	Inorganic	EES6	CAMO-16-106121	11/16/15	R-28	934.3	958.1
2016-348	Inorganic	EES6	CAMO-16-106125	11/16/15	R-42	931.8	952.9
2016-360	Inorganic	EES6	CASA-16-106256	11/17/15	R-36	766.9	789.9
2016-369	Inorganic	EES6	CASA-16-106257	11/18/15	R-43 S1	903.9	924.6
2016-369	Inorganic	EES6	CASA-16-106258	11/18/15	R-43 S2	969.1	979.1
2016-380	Inorganic	EES6	CAMO-16-106135	11/19/15	R-62	1158.4	1179.1
2016-393	Inorganic	EES6	CAMO-16-106120	11/20/15	R-15	958.6	1020.3
2016-408	Inorganic	EES6	CASA-16-106223	11/24/15	SIMR-2	885	905.4
2016-408	Inorganic	EES6	CASA-16-106262	11/24/15	SIMR-2	885	905.4
2016-457	Inorganic	GELC[b]	CASA-16-106065	12/03/15	R-67	1242.6	1263
2016-457	Inorganic	GELC	CASA-16-106063	12/03/15	R-67	1242.6	1263
2016-457	Organic	GELC	CASA-16-106063	12/03/15	R-67	1242.6	1263
2016-457	Rad[c]	GELC	CASA-16-106063	12/03/15	R-67	1242.6	1263
2016-459	Inorganic	EES6	CASA-16-106065	12/03/15	R-67	1242.6	1263
2016-466	Organic	CFA[d]	CASA-16-106063	12/03/15	R-67	1242.6	1263
2016-504	Rad	ARSL[e]	CASA-16-106063	12/03/15	R-67	1242.6	1263
2016-583	Inorganic	UIL[f]	CASA-16-106222	11/13/15	SCI-2	548	568
2016-583	Inorganic	UIL	CASA-16-106223	11/24/15	SIMR-2	885	905.4
2016-583	Inorganic	UIL	CASA-16-106253	11/11/15	R-11	855	877.9
2016-583	Inorganic	UIL	CASA-16-106254	11/09/15	R-35a	1013.1	1062.2
2016-583	Inorganic	UIL	CASA-16-106255	11/06/15	R-35b	825.4	848.5

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2016-583	Inorganic	UIL	CASA-16-106256	11/17/15	R-36	766.9	789.9
2016-583	Inorganic	UIL	CASA-16-106257	11/18/15	R-43 S1	903.9	924.6
2016-583	Inorganic	UIL	CASA-16-106258	11/18/15	R-43 S2	969.1	979.1
2016-583	Inorganic	UIL	CASA-16-106261	11/13/15	SCI-2	548	568
2016-583	Inorganic	UIL	CASA-16-106262	11/24/15	SIMR-2	885	905.4
2016-584	Inorganic	UIL	CAMO-16-106115	11/16/15	MCOI-5	689.04	699
2016-584	Inorganic	UIL	CAMO-16-106116	11/06/15	MCOI-6	686	708.3
2016-584	Inorganic	UIL	CAMO-16-106118	11/10/15	R-13	958.33	1018.72
2016-584	Inorganic	UIL	CAMO-16-106120	11/20/15	R-15	958.6	1020.3
2016-584	Inorganic	UIL	CAMO-16-106121	11/16/15	R-28	934.3	958.1
2016-584	Inorganic	UIL	CAMO-16-106122	11/12/15	R-33 S1	995.5	1018.5
2016-584	Inorganic	UIL	CAMO-16-106123	11/12/15	R-33 S2	1112.4	1122.3
2016-584	Inorganic	UIL	CAMO-16-106125	11/16/15	R-42	931.8	952.9
2016-584	Inorganic	UIL	CAMO-16-106126	11/12/15	R-44 S1	895	905
2016-584	Inorganic	UIL	CAMO-16-106127	11/12/15	R-44 S2	985.3	995.2
2016-584	Inorganic	UIL	CAMO-16-106128	11/11/15	R-45 S1	880	890
2016-584	Inorganic	UIL	CAMO-16-106129	11/11/15	R-45 S2	974.9	994.9
2016-584	Inorganic	UIL	CAMO-16-106131	11/09/15	R-50 S1	1077	1087
2016-584	Inorganic	UIL	CAMO-16-106132	11/09/15	R-50 S2	1185	1205.6
2016-584	Inorganic	UIL	CAMO-16-106135	11/19/15	R-62	1158.4	1179.1
2016-584	Inorganic	UIL	CAMO-16-106071	11/09/15	R-50 S1	1077	1087
2016-585	Inorganic	UIL	CASA-16-106065	12/03/15	R-67	1242.6	1263
2016-585	Inorganic	UIL	CASA-16-106066	10/23/15	SIMR-2	885	905.4
2016-675	Inorganic	GELC	CASA-16-110055	02/02/16	R-35a	1013.1	1062.2
2016-675	Inorganic	GELC	CASA-16-110056	02/02/16	R-35b	825.4	848.5
2016-675	Inorganic	GELC	CASA-16-110064	02/02/16	R-35a	1013.1	1062.2
2016-675	Inorganic	GELC	CASA-16-110065	02/02/16	R-35b	825.4	848.5
2016-678	Inorganic	GELC	CASA-16-110060	02/03/16	R-67	1242.6	1263
2016-678	Inorganic	GELC	CASA-16-110069	02/03/16	R-67	1242.6	1263
2016-697	Inorganic	GELC	CAMO-16-110036	02/04/16	R-15	958.6	1020.3
2016-697	Inorganic	GELC	CAMO-16-110041	02/04/16	R-42	931.8	952.9
2016-697	Inorganic	GELC	CAMO-16-110018	02/04/16	R-15	958.6	1020.3
2016-697	Inorganic	GELC	CAMO-16-110023	02/04/16	R-42	931.8	952.9
2016-699	Inorganic	GELC	CAMO-16-110038	02/05/16	R-33 S1	995.5	1018.5
2016-699	Inorganic	GELC	CAMO-16-110011	02/05/16	MCOI-5	689.04	699
2016-699	Inorganic	GELC	CAMO-16-110012	02/05/16	R-33 S1	995.5	1018.5
2016-699	Inorganic	GELC	CAMO-16-110013	02/05/16	MCOI-5	689.04	699
2016-699	Inorganic	GELC	CAMO-16-110014	02/05/16	R-33 S1	995.5	1018.5
2016-699	Inorganic	GELC	CAMO-16-110039	02/05/16	R-33 S2	1112.4	1122.3

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2016-699	Inorganic	GELC	CAMO-16-110015	02/05/16	MCOI-5	689.04	699
2016-699	Inorganic	GELC	CAMO-16-110020	02/05/16	R-33 S1	995.5	1018.5
2016-699	Inorganic	GELC	CAMO-16-110021	02/05/16	R-33 S2	1112.4	1122.3
2016-699	Inorganic	GELC	CAMO-16-110033	02/05/16	MCOI-5	689.04	699
2016-702	Inorganic	GELC	CAMO-16-110016	02/08/16	MCOI-6	686	708.3
2016-702	Inorganic	GELC	CAMO-16-110034	02/08/16	MCOI-6	686	708.3
2016-704	Inorganic	GELC	CASA-16-110054	02/08/16	R-11	855	877.9
2016-704	Inorganic	GELC	CASA-16-110057	02/08/16	R-36	766.9	789.9
2016-704	Inorganic	GELC	CASA-16-110063	02/08/16	R-11	855	877.9
2016-704	Inorganic	GELC	CASA-16-110066	02/08/16	R-36	766.9	789.9
2016-713	Inorganic	GELC	CAMO-16-110029	02/09/16	R-50 S2	1185	1205.6
2016-713	Inorganic	GELC	CAMO-16-110047	02/09/16	R-50 S2	1185	1205.6
2016-714	Inorganic	GELC	CAMO-16-110024	02/09/16	R-44 S1	895	905
2016-714	Inorganic	GELC	CAMO-16-110025	02/09/16	R-44 S2	985.3	995.2
2016-714	Inorganic	GELC	CAMO-16-110042	02/09/16	R-44 S1	895	905
2016-714	Inorganic	GELC	CAMO-16-110043	02/09/16	R-44 S2	985.3	995.2
2016-726	Inorganic	GELC	CAMO-16-110026	02/10/16	R-45 S1	880	890
2016-726	Inorganic	GELC	CAMO-16-110027	02/10/16	R-45 S2	974.9	994.9
2016-726	Inorganic	GELC	CAMO-16-110044	02/10/16	R-45 S1	880	890
2016-726	Inorganic	GELC	CAMO-16-110045	02/10/16	R-45 S2	974.9	994.9
2016-731	Rad	ARSL	CASA-16-110060	02/03/16	R-67	1242.6	1263
2016-742	Inorganic	GELC	CAMO-16-110037	02/11/16	R-28	934.3	958.1
2016-742	Inorganic	GELC	CAMO-16-110019	02/11/16	R-28	934.3	958.1
2016-743	Inorganic	GELC	CASA-16-110062	02/11/16	SCI-2	548	568
2016-743	Inorganic	GELC	CASA-16-110071	02/11/16	SCI-2	548	568
2016-744	Inorganic	EES6	CASA-16-110071	02/11/16	SCI-2	548	568
2016-747	Inorganic	EES6	CASA-16-110070	02/12/16	SCI-1	358.4	377.9
2016-752	Inorganic	GELC	CAMO-16-110028	02/16/16	R-50 S1	1077	1087
2016-752	Inorganic	GELC	CAMO-16-110046	02/16/16	R-50 S1	1077	1087
2016-753	Inorganic	GELC	CASA-16-110052	02/16/16	R-43 S1	903.9	924.6
2016-753	Inorganic	GELC	CASA-16-110053	02/16/16	R-43 S1	903.9	924.6
2016-753	Inorganic	GELC	CASA-16-110058	02/16/16	R-43 S1	903.9	924.6
2016-753	Inorganic	GELC	CASA-16-110059	02/16/16	R-43 S2	969.1	979.1
2016-753	Inorganic	GELC	CASA-16-110067	02/16/16	R-43 S1	903.9	924.6
2016-753	Inorganic	GELC	CASA-16-110068	02/16/16	R-43 S2	969.1	979.1
2016-763	Inorganic	GELC	CAMO-16-110035	02/17/16	R-13	958.33	1018.72
2016-763	Inorganic	GELC	CAMO-16-110017	02/17/16	R-13	958.33	1018.72
2016-771	Rad	ARSL	CAMO-16-110032	02/18/16	SIMR-2	885	905.4
2016-775	Inorganic	GELC	CAMO-16-110032	02/18/16	SIMR-2	885	905.4

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2016-775	Inorganic	GELC	CAMO-16-110050	02/18/16	SIMR-2	885	905.4
2016-783	Inorganic	GELC	CAMO-16-110031	02/19/16	R-62	1158.4	1179.1
2016-783	Inorganic	GELC	CAMO-16-110049	02/19/16	R-62	1158.4	1179.1

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

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

[c] Rad = Radiochemistry (not gamma).

[d] CFA = Cape Fear Analytical, LLC.

[e] ARSL = American Radiation Services, Inc.

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