ERID-237521

LA-UR-13-20386
February 2013
EP2013-0006

Periodic Monitoring Report for Chromium Investigation Monitoring Group, August 7–August 23, 2012



Prepared by the Environmental Programs Directorate

Los Alamos National Laboratory, operated by Los Alamos National Security, LLC, for the U.S. Department of Energy under Contract No. DE-AC52-06NA25396, has prepared this document pursuant to the Compliance Order on Consent, signed March 1, 2005. The Compliance Order on Consent contains requirements for the investigation and cleanup, including corrective action, of contamination at Los Alamos National Laboratory. The U.S. government has rights to use, reproduce, and distribute this document. The public may copy and use this document without charge, provided that this notice and any statement of authorship are reproduced on all copies.

EP2013-0006

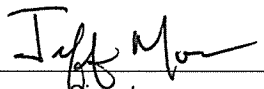
Periodic Monitoring Report for Chromium Investigation Monitoring Group, August 7–August 23, 2012

February 2013

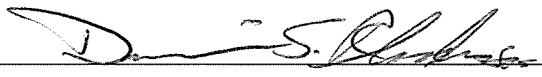
Responsible project manager:

Printed Name	Signature	Title	Organization	Date
Steve Paris		Project Manager	Environmental Programs	2/13/13

Responsible LANS representative:

Printed Name	Signature	Title	Organization	Date
Jeff Mousseau		Associate Director	Environmental Programs	2/14/13

Responsible DOE representative:

Printed Name	Signature	Title	Organization	Date
Peter Maggiore		Assistant Manager	DOE-NA-00-LA	2-19-2013

EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the fiscal year 2012, fourth quarter, periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Chromium Investigation monitoring group. This PME was conducted pursuant to the 2011 Interim Facility-Wide Groundwater Monitoring Plan, Revision 1, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from August 7 to August 23, 2012, and included the monitoring of groundwater wells and well screens. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

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

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

No results from previous sampling of PME monitoring locations are reported in this PMR. Seven results from groundwater samples collected during this PME from the Chromium Investigation monitoring group were above applicable screening levels.

CONTENTS

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

Figures

Figure 2.0-1 Locations monitored for this PME 9
Figure 4.2-1 Monitoring group filtered chromium concentrations in µg/L. 10

Tables

Table 2.0-1 Chromium Investigation Monitoring Group Locations and General Information 11
Table 3.4-1 Chromium Investigation Monitoring Group PME Observations and Deviations 11
Table 3.4-2 Analytes with PQLs above Screening Levels 12
Table 4.2-1 Sources of Screening Levels for Groundwater and Surface Water at Los Alamos National Laboratory 13
Table 4.2-2 Chromium Investigation Monitoring Group Groundwater Results above Screening Levels 14

Appendixes

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

Plate

Plate 1	Groundwater elevations

Acronyms and Abbreviations

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

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of fiscal year 2012, fourth quarter, quarterly groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Chromium Investigation monitoring group pursuant to the 2011 Interim Facility-Wide Groundwater Monitoring Plan (IFGMP), Revision 1 (LANL 2011, 208811), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from August 7 to August 23, 2012, and included sampling of groundwater wells and well screens. No results from samples collected during previous PMEs that were unreported in their respective PMRs are included in this report.

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

This report presents the following information:

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

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

1.1 Background

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

Sandia Canyon heads on Laboratory property within Technical Area 03 (TA-03) at an elevation of approximately 7300 ft and trends east-southeast across the Laboratory, Bandelier National Monument, and San Ildefonso Pueblo. Sandia Canyon empties into the Rio Grande in White Rock Canyon at an elevation of 5450 ft. The area of the Sandia Canyon watershed is approximately 5.5 mi^2. Perennial stream flow and saturated alluvial groundwater conditions occur in the upper and middle portions of the canyon system because sanitary wastewater and cooling tower effluent discharge to the canyon from operating facilities. A wetland of approximately 7 acres has developed as a result of the effluent discharge. The only known perennial spring in the watershed (Sandia Spring) is located in lower Sandia Canyon near the Rio Grande. TAs located in the Sandia Canyon watershed include TA-03, TA-53, TA-60, TA-61, TA-72,

and former TA-20. A total of 264 solid waste management units and areas of concern are located within these TAs.

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

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

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

2.0 SCOPE OF ACTIVITIES

The PME for the Chromium Investigation monitoring group was conducted pursuant to the 2011 IFGMP, Revision 1 (LANL 2011, 208811).

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 monitored locations. These locations are shown in Figure 2.0-1.

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 2011 IFGMP, Revision 1 (LANL 2011, 208811).

3.2 Field Parameter Results

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

3.3 Groundwater Elevations and Base-Flow Observations

The periodic monitoring water-level data for the previous 2 yr are presented in Appendix B (on CD included with this document). For wells equipped with transducers, the reported water level is the water-level measurement taken earliest on the day of sampling. All manual measurements were recorded

immediately before sampling. The groundwater-elevation measurements are shown graphically on Plate 1. No surface-water locations are sampled for this monitoring group.

3.4 Deviations from Planned Scope

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

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PME are documented in the 2011 IFGMP, Revision 1 (LANL 2011, 208811). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737), and ENV-RCRA-QP-010.2, Land Application of Groundwater. ENV-RCRA-QP-010.2 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling of purge water.

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

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

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

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

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

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

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

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

4.2 Analytical Data

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

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

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

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

be rejected and assigned a best value flag of N, and the reanalysis result may be marked with a best value flag of Y. The best value flag is included in Appendix C.

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

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

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

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

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

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

4.2.1 Surface Water (Base Flow)

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

4.2.2 Groundwater

No results from previous sampling of PME monitoring locations are reported in this PMR.

For the current PME, the filtered perchlorate concentration for intermediate groundwater well MCOI-6 was 60.6 µg/L, above the Consent Order screening level of 4 µg/L. The results in MCOI-6 have decreased from 160 µg/L in late 2007.

In MCOI-6, the filtered chromium concentration of 64.6 µg/L was above the NMWQCC groundwater standard screening level of 50 µg/L. Measurements since 2005 range from 29.4 µg/L to 65.5 µg/L.

The filtered chromium result of 491 µg/L (the field duplicate result was 453 µg/L) at intermediate well SCI-2 was above the NMWQCC groundwater standard screening level of 50 µg/L. Results since October of 2008 range from 433 µg/L to 658 µg/L.

In regional well R-28, the filtered chromium concentration was 450 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Other measurements since 2005 range from 310 µg/L to 472 µg/L and show no particular trend with time. In regional well R-42 the filtered chromium concentration was 1070 µg/L. Concentrations since 2008 range from 744 µg/L to 1240 µg/L.

The filtered chromium concentration from the 1077-ft screen 1 at regional aquifer well R-50 was 87.4 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Values from earlier sampling events range from 49.8 µg/L to 99.8 µg/L.

The filtered chromium concentration from regional aquifer well R-62 was 175 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. This is the third sample at this well; previous results are 198 µg/L and 135 µg/L.

4.3 Sampling Program Modifications

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

completed on October 29, 2012, and the well was placed back into the routine sampling schedule. R-61 S1 was sampled on November 15, 2012, and S2 was sampled on November 16, 2012; the analytical results will be presented in the next submittal of the Chromium Investigation monitoring group PMR.

5.0 SUMMARY AND INTERPRETATIONS

5.1 Monitoring Results

The field parameter monitoring results are presented in Appendix A.

5.2 Analytical Results

5.2.1 Surface Water (Base Flow)

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

5.2.2 Groundwater

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

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

5.3 Data Gaps

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

5.4 Remediation System Monitoring

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

6.0 REFERENCES

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

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

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

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

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

LANL (Los Alamos National Laboratory), December 2011. "2011 Interim Facility-Wide Groundwater Monitoring Plan, Revision 1," Los Alamos National Laboratory document LA-UR-11-6958, Los Alamos, New Mexico. (LANL 2011, 208811)

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

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

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

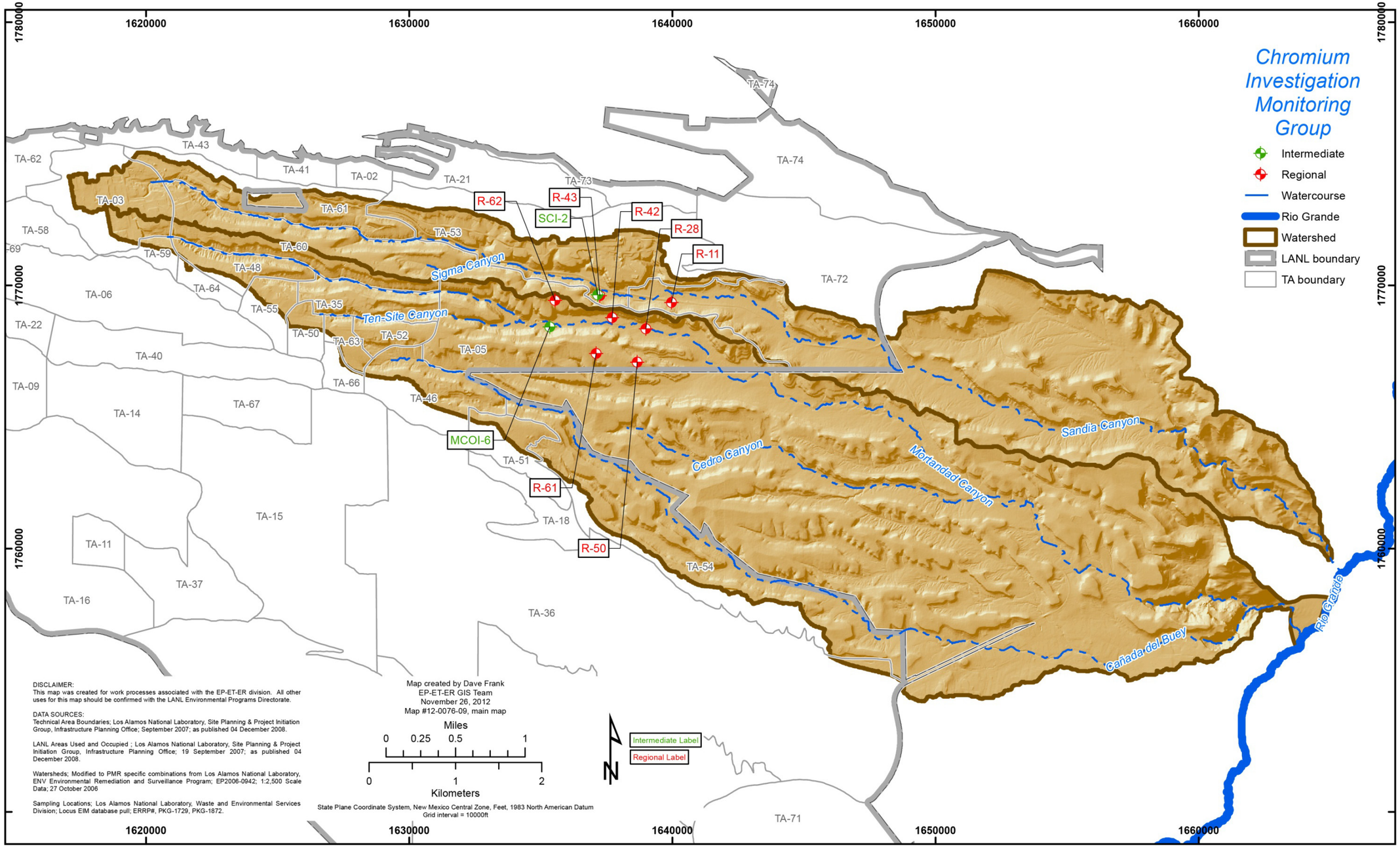


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Table 3.4-1).

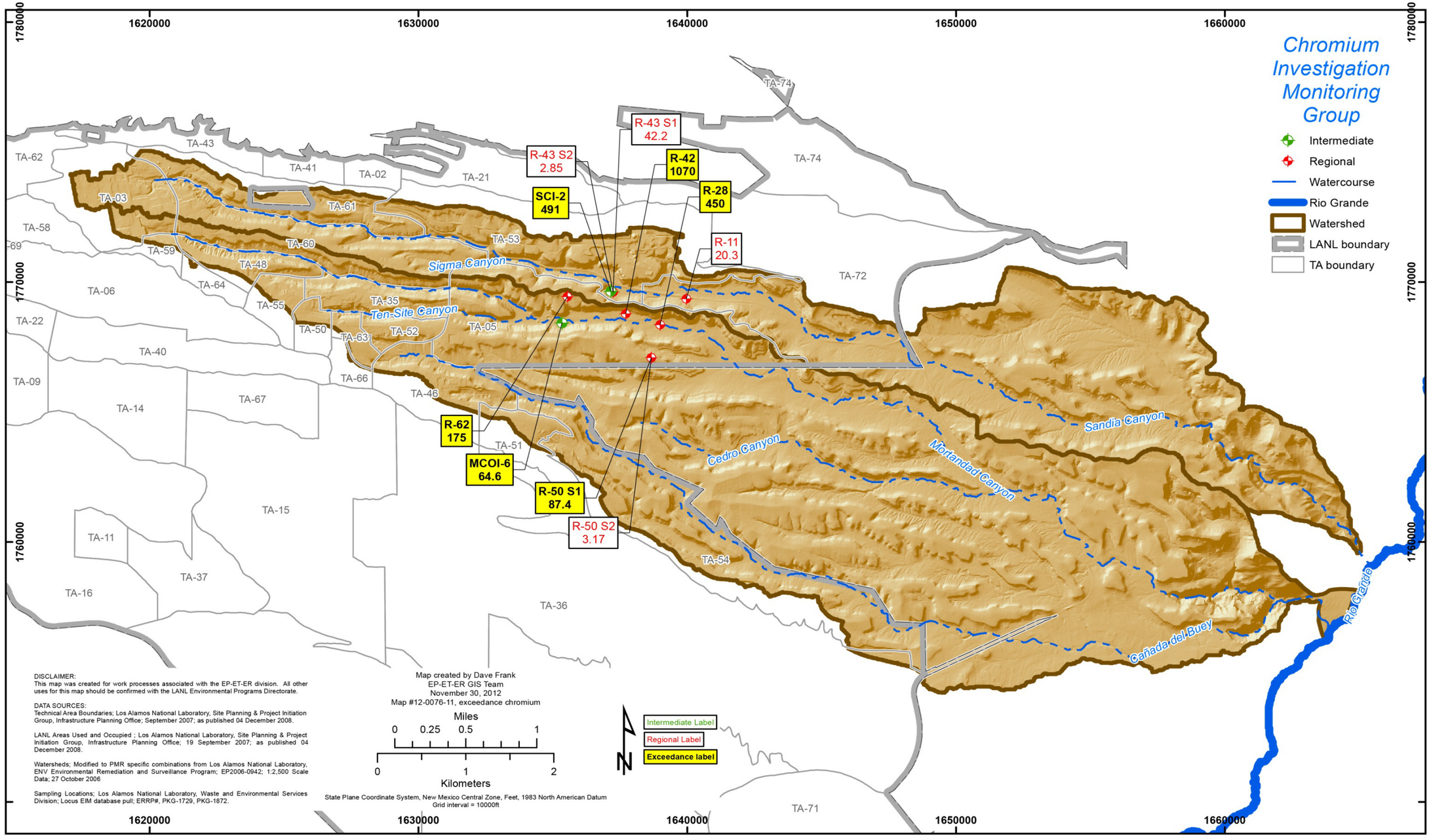


Figure 4.2-1 Monitoring group filtered chromium concentrations in µg/L. The NMWQCC groundwater standard screening level is 50 µg/L.

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

Location Name	Sample Collection Date	Screened Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge Rate (gpm[a])
Intermediate							
MCOI-6	08/17/12	22.3	686	708.3	45.5	137	1.3
SCI-2	08/13/12	20	548	568	6.9	21	0.4
Regional							
R-11	08/17/12	22.9	855	877.9	52.1	159	3
R-28	08/08/12	23.8	934.3	958.1	89.25	270	3.75
R-42	08/08/12	21.1	931.8	952.9	53	160	2.0
R-43 S1	08/14/12	20.7	903.9	924.6	66.26	200	1.25
R-43 S2	08/13/12	10	969.1	979.1	25.5	77	1.39
R-50 S1	08/15/12	10	1077	1087	51	155	2.6
R-50 S2	08/16/12	20.59	1185	1205.6	96.5	290	1.8
R-61 S1	n/a[b]	10	1125	1135	n/a	n/a	n/a[c]
R-61 S2	n/a	20.59	1220.4	1241	n/a	n/a	n/a
R-62	08/08/12	20.7	1158.4	1179.1	46.7	420	1

[a] gpm = Gallons per minute.

[b] n/a = Not applicable.

[c] See Table.3.4-1 for explanation.

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

Location	Deviation	Cause	Comment
R-11, R-28, R-42, R-43 S1, R-43 S2, R-50 S1, and R-50 S2	Radionuclide analysis added to monitoring plan	NMED draft comments on the 2011 IFGMP, Revision 1	n/a*
R-62	Stable isotope analysis added to monitoring plan	NMED draft comments on the 2011 IFGMP, Revision 1	n/a
R-61 S1	No sample for this PME	Sampling on hold pending redevelopment	This location will be sampled after redevelopment.
R-61 S2	No sample for this PME	Sampling on hold pending redevelopment	This location will be sampled after redevelopment.

*n/a = Not applicable.

Table 3.4-2
Analytes with PQLs above Screening Levels

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

Table 3.4-2 (continued)

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

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

[a] CAS = Chemical Abstracts Service.

[b] MDL = Method detection limit.

[c] MCPA = 2-Methyl-4-chlorophenoxyacetic acid.

[d] MCPP = 2-(4-Chloro-2-methylphenoxy)propanoic acid.

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

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

[a] n/a = Not applicable.

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

[c] CFR = Code of Federal Regulations.

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

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Intermediate Groundwater							
MCOI-6	08/17/12	Perchlorate	F*	60.6	µg/L	4	Consent Order
MCOI-6	08/17/12	Chromium	F	64.6	µg/L	50	NMWQCC Groundwater Standard
SCI-2	08/13/12	Chromium	F	491	µg/L	50	NMWQCC Groundwater Standard
Regional Groundwater							
R-28	08/08/12	Chromium	F	450	µg/L	50	NMWQCC Groundwater Standard
R-42	08/08/12	Chromium	F	1070	µg/L	50	NMWQCC Groundwater Standard
R-50 S1	08/15/12	Chromium	F	87.4	µg/L	50	NMWQCC Groundwater Standard
R-62	08/08/12	Chromium	F	175	µg/L	50	NMWQCC Groundwater Standard

* F = Filtered.

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-6	686	08/17/12	WG[a]	Dissolved Oxygen	7.1	mg/L	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Dissolved Oxygen	6.97	mg/L	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Dissolved Oxygen	7.1	mg/L	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Dissolved Oxygen	7.1	mg/L	CAMO-12-12026
MCOI-6	686	11/09/11	WG	Dissolved Oxygen	6.65	mg/L	CAMO-12-1468
MCOI-6	686	08/10/11	WG	Dissolved Oxygen	6.86	mg/L	CAMO-11-24630
MCOI-6	686	08/17/12	WG	Oxidation-Reduction Potential	104.5	mV	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Oxidation-Reduction Potential	197.9	mV	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Oxidation-Reduction Potential	211.6	mV	CAMO-12-12026
MCOI-6	686	03/05/12	WG	Oxidation-Reduction Potential	211.6	mV	CAMO-12-12017
MCOI-6	686	11/09/11	WG	Oxidation-Reduction Potential	180.8	mV	CAMO-12-1468
MCOI-6	686	08/10/11	WG	Oxidation-Reduction Potential	151.2	mV	CAMO-11-24630
MCOI-6	686	08/17/12	WG	pH	8.32	SU[b]	CAMO-12-21734
MCOI-6	686	06/04/12	WG	pH	7.2	SU	CAMO-12-14006
MCOI-6	686	03/05/12	WG	pH	7.25	SU	CAMO-12-12017
MCOI-6	686	03/05/12	WG	pH	7.25	SU	CAMO-12-12026
MCOI-6	686	11/09/11	WG	pH	7.11	SU	CAMO-12-1468
MCOI-6	686	08/10/11	WG	pH	7.11	SU	CAMO-11-24630
MCOI-6	686	08/17/12	WG	Specific Conductance	594	µS/cm	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Specific Conductance	599	µS/cm	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Specific Conductance	602	µS/cm	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Specific Conductance	602	µS/cm	CAMO-12-12026
MCOI-6	686	11/09/11	WG	Specific Conductance	618	µS/cm	CAMO-12-1468
MCOI-6	686	08/10/11	WG	Specific Conductance	650	µS/cm	CAMO-11-24630
MCOI-6	686	08/17/12	WG	Temperature	15.97	deg C	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Temperature	16.4	deg C	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Temperature	15.62	deg C	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Temperature	15.62	deg C	CAMO-12-12026
MCOI-6	686	11/09/11	WG	Temperature	14.42	deg C	CAMO-12-1468

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	08/10/11	WG	Temperature	16.69	deg C	CAMO-11-24630
MCOI-6	686	08/17/12	WG	Turbidity	0.53	NTU[c]	CAMO-12-21734
MCOI-6	686	06/04/12	WG	Turbidity	0.42	NTU	CAMO-12-14006
MCOI-6	686	03/05/12	WG	Turbidity	0.54	NTU	CAMO-12-12017
MCOI-6	686	03/05/12	WG	Turbidity	0.54	NTU	CAMO-12-12026
MCOI-6	686	11/09/11	WG	Turbidity	0.79	NTU	CAMO-12-1468
MCOI-6	686	08/10/11	WG	Turbidity	0.39	NTU	CAMO-11-24630
R-11	855	08/17/12	WG	Dissolved Oxygen	7.54	mg/L	CASA-12-21643
R-11	855	05/21/12	WG	Dissolved Oxygen	7.11	mg/L	CASA-12-14057
R-11	855	05/21/12	WG	Dissolved Oxygen	7.11	mg/L	CASA-12-14062
R-11	855	03/07/12	WG	Dissolved Oxygen	7.36	mg/L	CASA-12-11709
R-11	855	11/16/11	WG	Dissolved Oxygen	7.58	mg/L	CASA-12-1379
R-11	855	08/12/11	WG	Dissolved Oxygen	7.54	mg/L	CASA-11-24778
R-11	855	08/17/12	WG	Oxidation-Reduction Potential	227.5	mV	CASA-12-21643
R-11	855	05/21/12	WG	Oxidation-Reduction Potential	224.8	mV	CASA-12-14057
R-11	855	05/21/12	WG	Oxidation-Reduction Potential	224.8	mV	CASA-12-14062
R-11	855	03/07/12	WG	Oxidation-Reduction Potential	131.7	mV	CASA-12-11709
R-11	855	11/16/11	WG	Oxidation-Reduction Potential	168.7	mV	CASA-12-1379
R-11	855	08/12/11	WG	Oxidation-Reduction Potential	213.3	mV	CASA-11-24778
R-11	855	08/17/12	WG	pH	7.98	SU	CASA-12-21643
R-11	855	05/21/12	WG	pH	8.03	SU	CASA-12-14057
R-11	855	05/21/12	WG	pH	8.03	SU	CASA-12-14062
R-11	855	03/07/12	WG	pH	7.97	SU	CASA-12-11709
R-11	855	11/16/11	WG	pH	7.99	SU	CASA-12-1379
R-11	855	08/12/11	WG	pH	7.98	SU	CASA-11-24778
R-11	855	08/17/12	WG	Specific Conductance	234	µS/cm	CASA-12-21643
R-11	855	05/21/12	WG	Specific Conductance	230	µS/cm	CASA-12-14057
R-11	855	05/21/12	WG	Specific Conductance	230	µS/cm	CASA-12-14062
R-11	855	03/07/12	WG	Specific Conductance	223	µS/cm	CASA-12-11709

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-11	855	11/16/11	WG	Specific Conductance	224	µS/cm	CASA-12-1379
R-11	855	08/12/11	WG	Specific Conductance	224	µS/cm	CASA-11-24778
R-11	855	08/17/12	WG	Temperature	21.38	deg C	CASA-12-21643
R-11	855	05/21/12	WG	Temperature	21.87	deg C	CASA-12-14057
R-11	855	05/21/12	WG	Temperature	21.87	deg C	CASA-12-14062
R-11	855	03/07/12	WG	Temperature	20.59	deg C	CASA-12-11709
R-11	855	11/16/11	WG	Temperature	21.21	deg C	CASA-12-1379
R-11	855	08/12/11	WG	Temperature	21.99	deg C	CASA-11-24778
R-11	855	08/17/12	WG	Turbidity	0.17	NTU	CASA-12-21643
R-11	855	05/21/12	WG	Turbidity	0.2	NTU	CASA-12-14057
R-11	855	05/21/12	WG	Turbidity	0.2	NTU	CASA-12-14062
R-11	855	03/07/12	WG	Turbidity	0.46	NTU	CASA-12-11709
R-11	855	11/16/11	WG	Turbidity	0.24	NTU	CASA-12-1379
R-11	855	08/12/11	WG	Turbidity	0.42	NTU	CASA-11-24778
R-28	934.3	08/08/12	WG	Dissolved Oxygen	6.72	mg/L	CAMO-12-21735
R-28	934.3	05/24/12	WG	Dissolved Oxygen	6.49	mg/L	CAMO-12-14023
R-28	934.3	03/13/12	WG	Dissolved Oxygen	6.58	mg/L	CAMO-12-12018
R-28	934.3	11/15/11	WG	Dissolved Oxygen	6.73	mg/L	CAMO-12-1486
R-28	934.3	08/02/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-24637
R-28	934.3	08/08/12	WG	Oxidation-Reduction Potential	220.8	mV	CAMO-12-21735
R-28	934.3	05/24/12	WG	Oxidation-Reduction Potential	207.4	mV	CAMO-12-14023
R-28	934.3	03/13/12	WG	Oxidation-Reduction Potential	98.7	mV	CAMO-12-12018
R-28	934.3	11/15/11	WG	Oxidation-Reduction Potential	95.4	mV	CAMO-12-1486
R-28	934.3	08/02/11	WG	Oxidation-Reduction Potential	116.1	mV	CAMO-11-24637
R-28	934.3	08/08/12	WG	pH	7.56	SU	CAMO-12-21735
R-28	934.3	05/24/12	WG	pH	7.54	SU	CAMO-12-14023
R-28	934.3	03/13/12	WG	pH	7.49	SU	CAMO-12-12018
R-28	934.3	11/15/11	WG	pH	7.8	SU	CAMO-12-1486
R-28	934.3	08/02/11	WG	pH	7.74	SU	CAMO-11-24637

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-28	934.3	08/08/12	WG	Specific Conductance	421	µS/cm	CAMO-12-21735
R-28	934.3	05/24/12	WG	Specific Conductance	417	µS/cm	CAMO-12-14023
R-28	934.3	03/13/12	WG	Specific Conductance	436	µS/cm	CAMO-12-12018
R-28	934.3	11/15/11	WG	Specific Conductance	417	µS/cm	CAMO-12-1486
R-28	934.3	08/02/11	WG	Specific Conductance	424	µS/cm	CAMO-11-24637
R-28	934.3	08/08/12	WG	Temperature	21.17	deg C	CAMO-12-21735
R-28	934.3	05/24/12	WG	Temperature	21.21	deg C	CAMO-12-14023
R-28	934.3	03/13/12	WG	Temperature	20.66	deg C	CAMO-12-12018
R-28	934.3	11/15/11	WG	Temperature	20.22	deg C	CAMO-12-1486
R-28	934.3	08/02/11	WG	Temperature	21.22	deg C	CAMO-11-24637
R-28	934.3	08/08/12	WG	Turbidity	0.65	NTU	CAMO-12-21735
R-28	934.3	05/24/12	WG	Turbidity	0.69	NTU	CAMO-12-14023
R-28	934.3	03/13/12	WG	Turbidity	5.2	NTU	CAMO-12-12018
R-28	934.3	11/15/11	WG	Turbidity	0.53	NTU	CAMO-12-1486
R-28	934.3	08/02/11	WG	Turbidity	0.29	NTU	CAMO-11-24637
R-42	931.8	08/08/12	WG	Dissolved Oxygen	6.82	mg/L	CAMO-12-21736
R-42	931.8	05/23/12	WG	Dissolved Oxygen	6.84	mg/L	CAMO-12-14009
R-42	931.8	03/09/12	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-12020
R-42	931.8	03/09/12	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-12029
R-42	931.8	11/10/11	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-1491
R-42	931.8	08/02/11	WG	Dissolved Oxygen	6.79	mg/L	CAMO-11-24639
R-42	931.8	08/08/12	WG	Oxidation-Reduction Potential	227	mV	CAMO-12-21736
R-42	931.8	05/23/12	WG	Oxidation-Reduction Potential	243.2	mV	CAMO-12-14009
R-42	931.8	03/09/12	WG	Oxidation-Reduction Potential	6.4	mV	CAMO-12-12020
R-42	931.8	03/09/12	WG	Oxidation-Reduction Potential	6.4	mV	CAMO-12-12029
R-42	931.8	11/10/11	WG	Oxidation-Reduction Potential	193	mV	CAMO-12-1491
R-42	931.8	08/02/11	WG	Oxidation-Reduction Potential	81.7	mV	CAMO-11-24639
R-42	931.8	08/08/12	WG	pH	7.36	SU	CAMO-12-21736
R-42	931.8	05/23/12	WG	pH	7.5	SU	CAMO-12-14009

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-42	931.8	03/09/12	WG	pH	7.49	SU	CAMO-12-12020
R-42	931.8	03/09/12	WG	pH	7.49	SU	CAMO-12-12029
R-42	931.8	11/10/11	WG	pH	7.38	SU	CAMO-12-1491
R-42	931.8	08/02/11	WG	pH	7.54	SU	CAMO-11-24639
R-42	931.8	08/08/12	WG	Specific Conductance	488	µS/cm	CAMO-12-21736
R-42	931.8	05/23/12	WG	Specific Conductance	486	µS/cm	CAMO-12-14009
R-42	931.8	03/09/12	WG	Specific Conductance	483	µS/cm	CAMO-12-12020
R-42	931.8	03/09/12	WG	Specific Conductance	483	µS/cm	CAMO-12-12029
R-42	931.8	11/10/11	WG	Specific Conductance	486	µS/cm	CAMO-12-1491
R-42	931.8	08/02/11	WG	Specific Conductance	486	µS/cm	CAMO-11-24639
R-42	931.8	08/08/12	WG	Temperature	21.18	deg C	CAMO-12-21736
R-42	931.8	05/23/12	WG	Temperature	20.69	deg C	CAMO-12-14009
R-42	931.8	03/09/12	WG	Temperature	18.42	deg C	CAMO-12-12020
R-42	931.8	03/09/12	WG	Temperature	18.42	deg C	CAMO-12-12029
R-42	931.8	11/10/11	WG	Temperature	18.76	deg C	CAMO-12-1491
R-42	931.8	08/02/11	WG	Temperature	20.43	deg C	CAMO-11-24639
R-42	931.8	08/08/12	WG	Turbidity	0.66	NTU	CAMO-12-21736
R-42	931.8	05/23/12	WG	Turbidity	1.42	NTU	CAMO-12-14009
R-42	931.8	03/09/12	WG	Turbidity	0.84	NTU	CAMO-12-12020
R-42	931.8	03/09/12	WG	Turbidity	0.84	NTU	CAMO-12-12029
R-42	931.8	11/10/11	WG	Turbidity	0.81	NTU	CAMO-12-1491
R-42	931.8	08/02/11	WG	Turbidity	1.37	NTU	CAMO-11-24639
R-43 S1	903.9	08/14/12	WG	Dissolved Oxygen	6.86	mg/L	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Dissolved Oxygen	7.05	mg/L	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Dissolved Oxygen	7.04	mg/L	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	Dissolved Oxygen	7.06	mg/L	CASA-12-1391
R-43 S1	903.9	08/16/11	WG	Dissolved Oxygen	7.01	mg/L	CASA-11-24785
R-43 S1	903.9	08/14/12	WG	Oxidation-Reduction Potential	244.2	mV	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Oxidation-Reduction Potential	229.9	mV	CASA-12-14058

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S1	903.9	03/09/12	WG	Oxidation-Reduction Potential	151	mV	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	Oxidation-Reduction Potential	158.5	mV	CASA-12-1391
R-43 S1	903.9	08/16/11	WG	Oxidation-Reduction Potential	119.2	mV	CASA-11-24785
R-43 S1	903.9	08/14/12	WG	pH	8.12	SU	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	pH	8.2	SU	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	pH	8.33	SU	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	pH	8.3	SU	CASA-12-1391
R-43 S1	903.9	08/16/11	WG	pH	8.27	SU	CASA-11-24785
R-43 S1	903.9	08/14/12	WG	Specific Conductance	181	µS/cm	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Specific Conductance	173	µS/cm	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Specific Conductance	177	µS/cm	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	Specific Conductance	177	µS/cm	CASA-12-1391
R-43 S1	903.9	08/16/11	WG	Specific Conductance	177	µS/cm	CASA-11-24785
R-43 S1	903.9	08/14/12	WG	Temperature	20.4	deg C	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Temperature	20.85	deg C	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Temperature	19.71	deg C	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	Temperature	20.13	deg C	CASA-12-1391
R-43 S1	903.9	08/16/11	WG	Temperature	20.94	deg C	CASA-11-24785
R-43 S1	903.9	08/14/12	WG	Turbidity	0.35	NTU	CASA-12-21644
R-43 S1	903.9	05/22/12	WG	Turbidity	0.53	NTU	CASA-12-14058
R-43 S1	903.9	03/09/12	WG	Turbidity	0.33	NTU	CASA-12-11710
R-43 S1	903.9	11/15/11	WG	Turbidity	0.34	NTU	CASA-12-1391
R-43 S1	903.9	08/16/11	WG	Turbidity	0.5	NTU	CASA-11-24785
R-43 S2	969.1	08/13/12	WG	Dissolved Oxygen	2.95	mg/L	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Dissolved Oxygen	3.09	mg/L	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Dissolved Oxygen	3.42	mg/L	CASA-12-11715
R-43 S2	969.1	11/15/11	WG	Dissolved Oxygen	2.93	mg/L	CASA-12-1396
R-43 S2	969.1	08/16/11	WG	Dissolved Oxygen	2.54	mg/L	CASA-11-24753
R-43 S2	969.1	08/16/11	WG	Dissolved Oxygen	2.65	mg/L	CASA-11-24755

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	08/16/11	WG	Dissolved Oxygen	2.65	mg/L	CASA-11-24787
R-43 S2	969.1	08/16/11	WG	Dissolved Oxygen	1.3	mg/L	CASA-11-24751
R-43 S2	969.1	08/13/12	WG	Oxidation-Reduction Potential	161.5	mV	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Oxidation-Reduction Potential	202.6	mV	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Oxidation-Reduction Potential	-147.3	mV	CASA-12-11715
R-43 S2	969.1	11/15/11	WG	Oxidation-Reduction Potential	110.7	mV	CASA-12-1396
R-43 S2	969.1	08/16/11	WG	Oxidation-Reduction Potential	-11	mV	CASA-11-24753
R-43 S2	969.1	08/16/11	WG	Oxidation-Reduction Potential	25.5	mV	CASA-11-24755
R-43 S2	969.1	08/16/11	WG	Oxidation-Reduction Potential	25.5	mV	CASA-11-24787
R-43 S2	969.1	08/16/11	WG	Oxidation-Reduction Potential	-115.5	mV	CASA-11-24751
R-43 S2	969.1	08/13/12	WG	pH	8.71	SU	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	pH	8.72	SU	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	pH	8.88	SU	CASA-12-11715
R-43 S2	969.1	11/15/11	WG	pH	8.86	SU	CASA-12-1396
R-43 S2	969.1	08/16/11	WG	pH	8.9	SU	CASA-11-24753
R-43 S2	969.1	08/16/11	WG	pH	8.82	SU	CASA-11-24755
R-43 S2	969.1	08/16/11	WG	pH	8.82	SU	CASA-11-24787
R-43 S2	969.1	08/16/11	WG	pH	9.12	SU	CASA-11-24751
R-43 S2	969.1	08/13/12	WG	Specific Conductance	191	µS/cm	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Specific Conductance	181	µS/cm	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Specific Conductance	189	µS/cm	CASA-12-11715
R-43 S2	969.1	11/15/11	WG	Specific Conductance	188	µS/cm	CASA-12-1396
R-43 S2	969.1	08/16/11	WG	Specific Conductance	192	µS/cm	CASA-11-24753
R-43 S2	969.1	08/16/11	WG	Specific Conductance	190	µS/cm	CASA-11-24755
R-43 S2	969.1	08/16/11	WG	Specific Conductance	190	µS/cm	CASA-11-24787
R-43 S2	969.1	08/16/11	WG	Specific Conductance	183	µS/cm	CASA-11-24751
R-43 S2	969.1	08/13/12	WG	Temperature	19.96	deg C	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Temperature	20.78	deg C	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Temperature	19.12	deg C	CASA-12-11715

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	11/15/11	WG	Temperature	19.56	deg C	CASA-12-1396
R-43 S2	969.1	08/16/11	WG	Temperature	19.87	deg C	CASA-11-24753
R-43 S2	969.1	08/16/11	WG	Temperature	19.98	deg C	CASA-11-24755
R-43 S2	969.1	08/16/11	WG	Temperature	19.98	deg C	CASA-11-24787
R-43 S2	969.1	08/16/11	WG	Temperature	17.45	deg C	CASA-11-24751
R-43 S2	969.1	08/13/12	WG	Turbidity	0.19	NTU	CASA-12-21649
R-43 S2	969.1	05/22/12	WG	Turbidity	0.29	NTU	CASA-12-14059
R-43 S2	969.1	03/12/12	WG	Turbidity	0.61	NTU	CASA-12-11715
R-43 S2	969.1	11/15/11	WG	Turbidity	0.44	NTU	CASA-12-1396
R-43 S2	969.1	08/16/11	WG	Turbidity	0.32	NTU	CASA-11-24753
R-43 S2	969.1	08/16/11	WG	Turbidity	0.39	NTU	CASA-11-24755
R-43 S2	969.1	08/16/11	WG	Turbidity	0.39	NTU	CASA-11-24787
R-43 S2	969.1	08/16/11	WG	Turbidity	0.51	NTU	CASA-11-24751
R-50 S1	1077	08/15/12	WG	Dissolved Oxygen	5.27	mg/L	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Dissolved Oxygen	5.33	mg/L	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Dissolved Oxygen	5.47	mg/L	CAMO-12-12021
R-50 S1	1077	11/18/11	WG	Dissolved Oxygen	5.23	mg/L	CAMO-12-1505
R-50 S1	1077	08/04/11	WG	Dissolved Oxygen	5.13	mg/L	CAMO-11-24536
R-50 S1	1077	08/04/11	WG	Dissolved Oxygen	4.3	mg/L	CAMO-11-24532
R-50 S1	1077	08/04/11	WG	Dissolved Oxygen	4.69	mg/L	CAMO-11-24534
R-50 S1	1077	08/04/11	WG	Dissolved Oxygen	5.13	mg/L	CAMO-11-24673
R-50 S1	1077	08/15/12	WG	Oxidation-Reduction Potential	156.6	mV	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Oxidation-Reduction Potential	87.4	mV	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Oxidation-Reduction Potential	-6.9	mV	CAMO-12-12021
R-50 S1	1077	11/18/11	WG	Oxidation-Reduction Potential	107.9	mV	CAMO-12-1505
R-50 S1	1077	08/04/11	WG	Oxidation-Reduction Potential	-0.9	mV	CAMO-11-24536
R-50 S1	1077	08/04/11	WG	Oxidation-Reduction Potential	-39.9	mV	CAMO-11-24532
R-50 S1	1077	08/04/11	WG	Oxidation-Reduction Potential	-14.4	mV	CAMO-11-24534
R-50 S1	1077	08/04/11	WG	Oxidation-Reduction Potential	-0.9	mV	CAMO-11-24673

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S1	1077	08/15/12	WG	pH	8.02	SU	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	pH	7.94	SU	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	pH	7.93	SU	CAMO-12-12021
R-50 S1	1077	11/18/11	WG	pH	7.93	SU	CAMO-12-1505
R-50 S1	1077	08/04/11	WG	pH	7.89	SU	CAMO-11-24536
R-50 S1	1077	08/04/11	WG	pH	8.04	SU	CAMO-11-24532
R-50 S1	1077	08/04/11	WG	pH	7.93	SU	CAMO-11-24534
R-50 S1	1077	08/04/11	WG	pH	7.89	SU	CAMO-11-24673
R-50 S1	1077	08/15/12	WG	Specific Conductance	175	µS/cm	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Specific Conductance	186	µS/cm	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Specific Conductance	182	µS/cm	CAMO-12-12021
R-50 S1	1077	11/18/11	WG	Specific Conductance	176	µS/cm	CAMO-12-1505
R-50 S1	1077	08/04/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24536
R-50 S1	1077	08/04/11	WG	Specific Conductance	191	µS/cm	CAMO-11-24532
R-50 S1	1077	08/04/11	WG	Specific Conductance	186	µS/cm	CAMO-11-24534
R-50 S1	1077	08/04/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24673
R-50 S1	1077	08/15/12	WG	Temperature	20.7	deg C	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Temperature	21.25	deg C	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Temperature	19.42	deg C	CAMO-12-12021
R-50 S1	1077	11/18/11	WG	Temperature	20.61	deg C	CAMO-12-1505
R-50 S1	1077	08/04/11	WG	Temperature	20.91	deg C	CAMO-11-24536
R-50 S1	1077	08/04/11	WG	Temperature	20.13	deg C	CAMO-11-24532
R-50 S1	1077	08/04/11	WG	Temperature	20.68	deg C	CAMO-11-24534
R-50 S1	1077	08/04/11	WG	Temperature	20.91	deg C	CAMO-11-24673
R-50 S1	1077	08/15/12	WG	Turbidity	0.82	NTU	CAMO-12-21737
R-50 S1	1077	05/31/12	WG	Turbidity	0.58	NTU	CAMO-12-14014
R-50 S1	1077	03/08/12	WG	Turbidity	0.76	NTU	CAMO-12-12021
R-50 S1	1077	11/18/11	WG	Turbidity	2.57	NTU	CAMO-12-1505
R-50 S1	1077	08/04/11	WG	Turbidity	1.69	NTU	CAMO-11-24536

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S1	1077	08/04/11	WG	Turbidity	1.41	NTU	CAMO-11-24532
R-50 S1	1077	08/04/11	WG	Turbidity	2.18	NTU	CAMO-11-24534
R-50 S1	1077	08/04/11	WG	Turbidity	1.69	NTU	CAMO-11-24673
R-50 S2	1185	08/16/12	WG	Dissolved Oxygen	6.93	mg/L	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Dissolved Oxygen	6.93	mg/L	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Dissolved Oxygen	6.89	mg/L	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	Dissolved Oxygen	6.57	mg/L	CAMO-12-1809
R-50 S2	1185	11/21/11	WG	Dissolved Oxygen	5.39	mg/L	CAMO-12-1509
R-50 S2	1185	08/16/12	WG	Oxidation-Reduction Potential	201.7	mV	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Oxidation-Reduction Potential	128.8	mV	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Oxidation-Reduction Potential	82.7	mV	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	Oxidation-Reduction Potential	133.9	mV	CAMO-12-1809
R-50 S2	1185	11/21/11	WG	Oxidation-Reduction Potential	178.2	mV	CAMO-12-1509
R-50 S2	1185	08/16/12	WG	pH	8.06	SU	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	pH	8.06	SU	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	pH	8.24	SU	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	pH	8.19	SU	CAMO-12-1809
R-50 S2	1185	11/21/11	WG	pH	7.91	SU	CAMO-12-1509
R-50 S2	1185	08/16/12	WG	Specific Conductance	127	µS/cm	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Specific Conductance	133	µS/cm	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Specific Conductance	127	µS/cm	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	Specific Conductance	115	µS/cm	CAMO-12-1809
R-50 S2	1185	11/21/11	WG	Specific Conductance	166	µS/cm	CAMO-12-1509
R-50 S2	1185	08/16/12	WG	Temperature	21.64	deg C	CAMO-12-21746
R-50 S2	1185	05/31/12	WG	Temperature	21.56	deg C	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Temperature	20.79	deg C	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	Temperature	20.86	deg C	CAMO-12-1809
R-50 S2	1185	11/21/11	WG	Temperature	20.75	deg C	CAMO-12-1509
R-50 S2	1185	08/16/12	WG	Turbidity	0.43	NTU	CAMO-12-21746

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S2	1185	05/31/12	WG	Turbidity	1.93	NTU	CAMO-12-14015
R-50 S2	1185	03/07/12	WG	Turbidity	0.64	NTU	CAMO-12-12022
R-50 S2	1185	11/28/11	WG	Turbidity	0.81	NTU	CAMO-12-1809
R-50 S2	1185	11/21/11	WG	Turbidity	0.86	NTU	CAMO-12-1509
R-62	1158.4	08/08/12	WG	Dissolved Oxygen	6.01	mg/L	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Dissolved Oxygen	5.34	mg/L	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Dissolved Oxygen	6.22	mg/L	CAMO-12-12025
R-62	1158.4	08/08/12	WG	Oxidation-Reduction Potential	72.7	mV	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Oxidation-Reduction Potential	208	mV	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Oxidation-Reduction Potential	120.2	mV	CAMO-12-12025
R-62	1158.4	08/08/12	WG	pH	8.31	SU	CAMO-12-21741
R-62	1158.4	06/06/12	WG	pH	8.72	SU	CAMO-12-14018
R-62	1158.4	03/26/12	WG	pH	8.62	SU	CAMO-12-12025
R-62	1158.4	08/08/12	WG	Specific Conductance	165	µS/cm	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Specific Conductance	172	µS/cm	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Specific Conductance	188	µS/cm	CAMO-12-12025
R-62	1158.4	08/08/12	WG	Temperature	21.83	deg C	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Temperature	22.32	deg C	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Temperature	19.6	deg C	CAMO-12-12025
R-62	1158.4	08/08/12	WG	Turbidity	0.65	NTU	CAMO-12-21741
R-62	1158.4	06/06/12	WG	Turbidity	2.51	NTU	CAMO-12-14018
R-62	1158.4	03/26/12	WG	Turbidity	6.15	NTU	CAMO-12-12025
SCI-2	548	08/13/12	WG	Dissolved Oxygen	8.23	mg/L	CASA-12-21646
SCI-2	548	05/23/12	WG	Dissolved Oxygen	8.62	mg/L	CASA-12-14061
SCI-2	548	03/05/12	WG	Dissolved Oxygen	9.43	mg/L	CASA-12-11712
SCI-2	548	08/11/11	WG	Dissolved Oxygen	9.79	mg/L	CASA-11-24765
SCI-2	548	08/09/11	WG	Dissolved Oxygen	9.6	mg/L	CASA-11-24849
SCI-2	548	08/09/11	WG	Dissolved Oxygen	8.93	mg/L	CASA-11-24845
SCI-2	548	08/09/11	WG	Dissolved Oxygen	9.43	mg/L	CASA-11-24847

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	548	08/13/12	WG	Oxidation-Reduction Potential	170.4	mV	CASA-12-21646
SCI-2	548	05/23/12	WG	Oxidation-Reduction Potential	229	mV	CASA-12-14061
SCI-2	548	03/05/12	WG	Oxidation-Reduction Potential	21.5	mV	CASA-12-11712
SCI-2	548	08/11/11	WG	Oxidation-Reduction Potential	90.4	mV	CASA-11-24765
SCI-2	548	08/09/11	WG	Oxidation-Reduction Potential	90.4	mV	CASA-11-24849
SCI-2	548	08/09/11	WG	Oxidation-Reduction Potential	78.4	mV	CASA-11-24845
SCI-2	548	08/09/11	WG	Oxidation-Reduction Potential	91.6	mV	CASA-11-24847
SCI-2	548	08/13/12	WG	pH	8.15	SU	CASA-12-21646
SCI-2	548	05/23/12	WG	pH	7.45	SU	CASA-12-14061
SCI-2	548	03/05/12	WG	pH	7.5	SU	CASA-12-11712
SCI-2	548	08/11/11	WG	pH	7.49	SU	CASA-11-24765
SCI-2	548	08/09/11	WG	pH	7.5	SU	CASA-11-24849
SCI-2	548	08/09/11	WG	pH	7.45	SU	CASA-11-24845
SCI-2	548	08/09/11	WG	pH	7.48	SU	CASA-11-24847
SCI-2	548	08/13/12	WG	Specific Conductance	592	µS/cm	CASA-12-21646
SCI-2	548	05/23/12	WG	Specific Conductance	564	µS/cm	CASA-12-14061
SCI-2	548	03/05/12	WG	Specific Conductance	609	µS/cm	CASA-12-11712
SCI-2	548	08/11/11	WG	Specific Conductance	590	µS/cm	CASA-11-24765
SCI-2	548	08/09/11	WG	Specific Conductance	592	µS/cm	CASA-11-24849
SCI-2	548	08/09/11	WG	Specific Conductance	590	µS/cm	CASA-11-24845
SCI-2	548	08/09/11	WG	Specific Conductance	565	µS/cm	CASA-11-24847
SCI-2	548	08/13/12	WG	Temperature	16.08	deg C	CASA-12-21646
SCI-2	548	05/23/12	WG	Temperature	17.02	deg C	CASA-12-14061
SCI-2	548	03/05/12	WG	Temperature	14.1	deg C	CASA-12-11712
SCI-2	548	08/11/11	WG	Temperature	14.52	deg C	CASA-11-24765
SCI-2	548	08/09/11	WG	Temperature	14.55	deg C	CASA-11-24849
SCI-2	548	08/09/11	WG	Temperature	14.51	deg C	CASA-11-24845
SCI-2	548	08/09/11	WG	Temperature	14.53	deg C	CASA-11-24847
SCI-2	548	08/13/12	WG	Turbidity	4.22	NTU	CASA-12-21646

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	548	05/23/12	WG	Turbidity	3.51	NTU	CASA-12-14061
SCI-2	548	03/05/12	WG	Turbidity	0.73	NTU	CASA-12-11712
SCI-2	548	08/11/11	WG	Turbidity	1.29	NTU	CASA-11-24765
SCI-2	548	08/09/11	WG	Turbidity	1.29	NTU	CASA-11-24849
SCI-2	548	08/09/11	WG	Turbidity	4.5	NTU	CASA-11-24845
SCI-2	548	08/09/11	WG	Turbidity	3.5	NTU	CASA-11-24847

[a] WG = Groundwater.

[b] SU = Standard unit.

[c] NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

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

Acronyms and Abbreviations

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Secondary Validation Flag Codes

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

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.33	—	—	0.01	SU	Y	H	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.26	—	—	0.01	SU	Y	H	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.35	—	—	0.01	SU	Y	H	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.37	—	—	0.01	SU	Y	H	J-	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.27	—	—	0.01	SU	Y	H	J-	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.23	—	—	0.01	SU	Y	H	J-	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97	—	—	0.725	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	98.4	—	—	0.725	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	100	—	—	0.725	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	101	—	—	0.73	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	101	—	—	0.73	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97.1	—	—	0.73	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.8	—	—	1	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.9	—	—	1	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.4	—	—	1	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	48.2	—	—	1	µg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46	—	—	1	µg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.8	—	—	1	µg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50.8	—	—	15	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	49.9	—	—	15	µg/L	Y	J	J	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	48.6	—	—	15	µg/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	49.6	—	—	15	µg/L	Y	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	51.3	—	—	15	µg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	48.8	—	—	15	µg/L	Y	J	J	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.633	—	—	0.067	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.646	—	—	0.067	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.692	—	—	0.067	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.669	—	—	0.066	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.658	—	—	0.066	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.633	—	—	0.066	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67	—	—	0.05	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67.8	—	—	0.05	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	69.8	—	—	0.05	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.6	—	—	0.05	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	74.7	—	—	0.05	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.5	—	—	0.05	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	54.8	—	—	0.67	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.3	—	—	0.67	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	62.3	—	—	0.335	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	64.6	—	—	0.33	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	64.8	—	—	0.33	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.1	—	—	0.33	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	64.6	—	—	2	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	58.4	—	—	2	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	59.6	—	—	2	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	61.8	—	—	2	µg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	60.9	—	—	2	µg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	55.1	—	—	2	µg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	5.52	—	—	3	µg/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	12.1	—	—	3	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	9.42	—	—	3	µg/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	13.2	—	—	3	µg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Copper	Cu	Y	13	—	—	3	µg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	13.4	—	—	3	µg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.503	—	—	0.033	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.558	—	—	0.033	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.548	—	—	0.033	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.539	—	—	0.033	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.547	—	—	0.033	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.528	—	—	0.033	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	223	—	—	0.453	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	228	—	—	0.453	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	233	—	—	0.453	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	235	—	—	0.45	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	248	—	—	0.45	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	233	—	—	0.45	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	13.5	—	—	0.11	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.3	—	—	0.11	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.2	—	—	0.11	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.2	—	—	0.11	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	13.9	—	—	0.11	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.59	—	—	2	µg/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	5.63	—	—	2	µg/L	Y	J	J	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.48	—	—	2	µg/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.07	—	—	2	µg/L	Y	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.06	—	—	2	µg/L	Y	J	J	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.64	—	—	2	µg/L	Y	J	J	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.165	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.69	—	—	0.165	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.165	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.4	—	—	0.17	µg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.39	—	—	0.17	µg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.17	µg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	40.1	—	—	0.5	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	40.8	—	—	0.5	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	34.3	—	—	0.5	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	39.9	—	—	0.5	µg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	38.3	—	—	0.5	µg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	29.2	—	—	0.5	µg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.96	—	—	0.17	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.33	—	—	0.17	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.07	—	—	0.1	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.76	—	—	0.1	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.93	—	—	0.1	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	9.4	—	—	0.1	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	60.6	—	—	5	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	59.4	—	—	5	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	64.3	—	—	5	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	63.1	—	—	5	µg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	11/09/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	63.1	—	—	5	µg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	71.2	—	—	5	µg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.882	—	—	0.05	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.908	—	—	0.05	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.99	—	—	0.05	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.11	—	—	0.05	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.2	—	—	0.05	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.891	—	—	0.05	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.9	—	—	0.053	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.1	—	—	0.053	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.6	—	—	0.053	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.1	—	—	0.27	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	27.4	—	—	0.1	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.1	—	—	0.1	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.1	—	—	0.1	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.8	—	—	0.1	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	28.3	—	—	0.1	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	25.9	—	—	0.1	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	µS/cm	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	601	—	—	1	µS/cm	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	594	—	—	1	µS/cm	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	611	—	—	1	µS/cm	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	608	—	—	1	µS/cm	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	609	—	—	1	µS/cm	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	322	—	—	1	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	315	—	—	1	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	321	—	—	1	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	322	—	—	1	µg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	339	—	—	1	µg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	310	—	—	1	µg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	60.6	—	—	1.33	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	66.8	—	—	1.33	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	65.1	—	—	0.665	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	66.1	—	—	0.5	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	66.4	—	—	0.5	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	77.6	—	—	0.1	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	419	—	—	3.4	mg/L	Y	—	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	420	—	—	3.4	mg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	413	—	—	3.4	mg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	401	—	—	3.4	mg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	417	—	—	3.4	mg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	423	—	—	3.4	mg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0945	—	—	0.035	mg/L	Y	J	J-	12-1509	CAMO-12-21734	GELC
MCOI-6	686	06/04/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.146	—	—	0.035	mg/L	Y	—	NQ	12-1339	CAMO-12-14006	GELC
MCOI-6	686	03/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0853	—	—	0.035	mg/L	Y	J	J-	12-1052	CAMO-12-12017	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	11-3152	CAMO-11-24630	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	08/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.29	—	—	0.33	mg/L	Y	—	NQ	12-1509	CAMO-12-21734	GELC
MCOI-6	686	06/04/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.6	—	—	0.33	mg/L	Y	—	NQ	12-1339	CAMO-12-14006	GELC
MCOI-6	686	03/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.23	—	—	0.33	mg/L	Y	—	J-	12-1052	CAMO-12-12017	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.21	—	—	0.33	mg/L	Y	—	NQ	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.21	—	—	0.33	mg/L	Y	—	NQ	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.978	—	—	0.33	mg/L	Y	J	J	11-3152	CAMO-11-24630	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.31	—	—	0.067	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.41	—	—	0.067	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.46	—	—	0.067	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.39	—	—	0.067	µg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.4	—	—	0.067	µg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.15	—	—	0.067	µg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.53	—	—	1	µg/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.31	—	—	1	µg/L	Y	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.37	—	—	1	µg/L	Y	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	11-3152	CAMO-11-24631	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	30.2	—	—	3.3	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	06/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	33.4	—	—	3.3	µg/L	Y	—	NQ	12-1339	CAMO-12-14021	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	27.9	—	—	3.3	µg/L	Y	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	39.2	—	—	3.3	µg/L	Y	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	39.3	—	—	3.3	µg/L	Y	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	27.5	—	—	3.3	µg/L	Y	—	NQ	11-3152	CAMO-11-24631	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.53	—	—	0.01	SU	Y	H	J-	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	J-	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.7	—	—	0.725	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.4	—	—	0.725	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.8	—	—	0.725	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.1	—	—	0.73	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.9	—	—	0.73	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00254	0.00568	0.0348	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00182	0.0021	0.028	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00222	0.0019	0.027	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00286	0.0024	0.03	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00566	0.0097	0.029	—	pCi/L	Y	U	U	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.56	—	—	1.7	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	UJ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.8	—	—	1	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.9	—	—	1	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.2	—	—	1	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36	—	—	1	µg/L	Y	—	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.1	—	—	1	µg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.9	—	—	15	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.7	—	—	15	µg/L	Y	J	J	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.4	—	—	15	µg/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.6	—	—	15	µg/L	Y	J	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	29.5	—	—	15	µg/L	Y	J	J	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0882	—	—	0.067	mg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.125	—	—	0.067	mg/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.11	—	—	0.066	mg/L	Y	J	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.108	—	—	0.066	mg/L	Y	J	J	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.7	—	—	0.05	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	J+	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.8	—	—	0.05	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.1	—	—	0.05	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.44	1.86	7.55	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.17	1.8	6.6	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.342	1.4	4.6	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.27	1.3	4.4	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.11	1.1	3.8	—	pCi/L	Y	U	U	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.83	—	—	0.067	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.94	—	—	0.067	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.63	—	—	0.067	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.62	—	—	0.066	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.05	—	—	0.066	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	20.3	—	—	2	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	20.5	—	—	2	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	21.4	—	—	2	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	19.1	—	—	2	µg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	18.2	—	—	2	µg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.91	2.18	7.34	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.36	1.3	4.9	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.71	1.6	6	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.43	1.3	4.8	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0313	1.2	3.9	—	pCi/L	Y	U	U	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.378	—	—	0.033	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.411	—	—	0.033	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.404	—	—	0.033	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.53	—	—	0.033	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.359	—	—	0.033	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.134	0.376	2.15	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.89	0.71	1.7	—	pCi/L	Y	—	U	10-3621	CASA-10-22657	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.71	0.53	1.5	—	pCi/L	Y	—	NQ	09-2826	CASA-09-10366	GELC
R-11	855	08/17/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.27	0.741	2.28	—	pCi/L	Y	U	U	191952	GU070800G11R01	GELC
R-11	855	06/13/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.27	0.512	1.25	—	pCi/L	Y	—	J	187921	GU070600G11R01	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.7	0.823	2.66	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.09	1.2	2.8	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22657	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.693	0.6	2	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/17/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.28	0.805	2.64	—	pCi/L	Y	U	U	191952	GU070800G11R01	GELC
R-11	855	06/13/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.589	0.818	2.83	—	pCi/L	Y	U	U	187921	GU070600G11R01	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.8	—	—	0.453	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79	—	—	0.453	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79.5	—	—	0.453	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.45	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	82.9	—	—	0.45	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.08	—	—	0.11	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.05	—	—	0.11	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.07	—	—	0.11	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.34	—	—	0.11	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.1	—	—	0.11	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.165	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.165	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.165	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	—	0.17	µg/L	Y	—	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.57	—	—	0.17	µg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.01	3.29	10.6	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.27	2.9	9.4	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.53	9	29	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	10.4	12	41	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.406	9.7	27	—	pCi/L	Y	U	U	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.617	—	—	0.5	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.709	—	—	0.5	µg/L	Y	J	J	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.68	—	—	0.5	µg/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.692	—	—	0.5	µg/L	Y	J	J	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.26	—	—	0.17	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.85	—	—	0.17	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.25	—	—	0.05	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.27	—	—	0.05	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.15	—	—	0.1	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.899	—	—	0.05	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.92	—	—	0.05	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.843	—	—	0.05	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.55	—	—	0.2	µg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.862	—	—	0.05	µg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00359	0.0171	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0024	0.023	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00979	0.0048	0.033	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0204	0.0076	0.03	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0123	0.0072	0.029	—	pCi/L	Y	U	U	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00761	0.00567	0.0306	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00681	0.0034	0.023	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00783	0.0048	0.023	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0037	0.0059	0.036	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00206	0.0046	0.035	—	pCi/L	Y	U	U	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.95	—	—	0.05	mg/L	Y	—	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.6	—	—	0.05	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.04	17	76.7	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18.3	20	73	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.9	15	52	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-25.7	16	49	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.59	15	52	—	pCi/L	Y	U	U	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.76	—	—	1.5	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.66	—	—	1.5	µg/L	Y	J	J	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.6	—	—	1.5	µg/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	UJ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.27	—	—	1.5	µg/L	Y	J	J	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.8	—	—	0.053	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.7	—	—	0.053	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.8	—	—	0.053	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.6	—	—	0.053	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.7	—	—	0.1	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.956	1.78	6.84	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.88	1.5	3.4	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.878	1.2	4.3	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.942	1.2	4.2	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.63	1.1	4.1	—	pCi/L	Y	U	U	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	µS/cm	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	µS/cm	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	222	—	—	1	µS/cm	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	µS/cm	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	217	—	—	1	µS/cm	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.6	—	—	1	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	87.5	—	—	1	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	90.1	—	—	1	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	71.7	—	—	1	µg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	89.7	—	—	1	µg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.149	0.135	0.467	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.354	0.13	0.48	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0676	0.13	0.47	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.41	0.14	0.41	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.06	0.067	0.22	—	pCi/L	Y	U	U	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12	—	—	0.133	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.2	—	—	0.133	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.1	—	—	0.133	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.71	—	—	0.1	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.45	—	—	0.1	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	210	—	—	3.4	mg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197	—	—	3.4	mg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	3.4	mg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	169	—	—	3.4	mg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.496	—	—	0.33	mg/L	Y	J	J	12-1508	CASA-12-21643	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	05/21/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-1311	CASA-12-14057	GELC
R-11	855	03/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.469	—	—	0.33	mg/L	Y	J	J	12-1058	CASA-12-11709	GELC
R-11	855	11/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-365	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.41	—	—	0.33	mg/L	Y	J	J	11-3193	CASA-11-24778	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.714	—	—	0.067	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.782	—	—	0.067	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.678	—	—	0.067	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.748	—	—	0.067	µg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.623	—	—	0.067	µg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.556	0.0409	0.0735	—	pCi/L	Y	—	NQ	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.58	0.057	0.067	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.589	0.074	0.14	—	pCi/L	Y	—	NQ	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.546	0.057	0.11	—	pCi/L	Y	—	NQ	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.597	0.061	0.14	—	pCi/L	Y	—	NQ	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0136	0.00833	0.0475	—	pCi/L	Y	U	U	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0195	0.0081	0.041	—	pCi/L	Y	U	U	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0136	0.0097	0.079	—	pCi/L	Y	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0179	0.0096	0.054	—	pCi/L	Y	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0151	0.017	0.08	—	pCi/L	Y	U	U	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.184	0.0229	0.0373	—	pCi/L	Y	—	NQ	12-1508	CASA-12-21643	GELC
R-11	855	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.229	0.03	0.047	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22657	GELC
R-11	855	01/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.231	0.041	0.088	—	pCi/L	Y	—	NQ	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.276	0.036	0.055	—	pCi/L	Y	—	NQ	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.256	0.039	0.073	—	pCi/L	Y	—	NQ	08-1645	CASA-08-14381	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.54	—	—	1	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.38	—	—	1	µg/L	Y	—	NQ	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.84	—	—	1	µg/L	Y	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.8	—	—	1	µg/L	Y	—	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.79	—	—	1	µg/L	Y	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.79	—	—	3.3	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	05/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	9.94	—	—	3.3	µg/L	Y	J	U	12-1311	CASA-12-14062	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.85	—	—	3.3	µg/L	Y	J	J	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	52.9	—	—	3.3	µg/L	Y	—	NQ	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.48	—	—	3.3	µg/L	Y	J	J	11-3193	CASA-11-24779	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.77	—	—	0.01	SU	Y	H	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	—	0.01	SU	Y	H	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	—	—	0.01	SU	Y	H	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.79	—	—	0.01	SU	Y	H	J-	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.79	—	—	0.01	SU	Y	H	J-	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.3	—	—	0.725	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.1	—	—	0.725	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80	—	—	0.725	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.2	—	—	0.73	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.4	—	—	0.73	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00612	0.00749	0.0419	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00282	0.0047	0.039	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.025	0.0084	0.035	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000528	0.013	0.033	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0113	0.0103	0.0405	—	pCi/L	Y	U	U	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.144	—	—	0.017	mg/L	Y	—	J	12-1481	CAMO-12-21743	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0262	—	—	0.017	mg/L	Y	J	U	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.9	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.6	—	—	1	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.2	—	—	1	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	71.1	—	—	1	µg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	73.7	—	—	1	µg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.7	—	—	15	µg/L	Y	J	J	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.6	—	—	15	µg/L	Y	J	J	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	24.6	—	—	15	µg/L	Y	J	J	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	24.5	—	—	15	µg/L	Y	J	J	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.8	—	—	15	µg/L	Y	J	J	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.295	—	—	0.067	mg/L	Y	—	J	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.231	—	—	0.067	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.33	—	—	0.067	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.259	—	—	0.066	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.217	—	—	0.066	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	46.2	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	46.3	—	—	0.05	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	46.3	—	—	0.05	mg/L	Y	—	J+	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	47.4	—	—	0.05	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	48.1	—	—	0.05	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.434	1.13	3.97	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.56	2.2	6.2	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.7	1.3	4.6	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.981	1.2	3.7	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.48	1.11	3.33	—	pCi/L	Y	U	U	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	32.9	—	—	0.67	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	34.1	—	—	0.335	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	28.7	—	—	0.335	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	35.3	—	—	0.33	mg/L	Y	—	J+	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	33.8	—	—	0.33	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	450	—	—	2	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	351	—	—	2	µg/L	Y	—	J+	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	336	—	—	2	µg/L	Y	E	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	455	—	—	10	µg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	428	—	—	2	µg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.464	1.29	4.99	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.55	2	6.5	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.21	1.5	4.3	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.28	1.3	4.2	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.363	1.1	3.54	—	pCi/L	Y	U	U	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.271	—	—	0.033	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.328	—	—	0.033	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.287	—	—	0.033	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.289	—	—	0.033	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.277	—	—	0.033	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.93	0.802	1.99	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.55	0.87	2.6	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.18	0.49	0.73	—	pCi/L	Y	—	NQ	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.75	0.558	1.22	—	pCi/L	Y	—	J	191952	GU070800G28R01	GELC
R-28	934.3	07/05/06	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.305	0.24	0.794	—	pCi/L	Y	U	U	166673	GU060500G28R01	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.842	0.883	2.99	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.36	0.88	2.5	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.42	0.75	2	—	pCi/L	Y	—	NQ	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.87	0.853	2.56	—	pCi/L	Y	—	J	191952	GU070800G28R01	GELC
R-28	934.3	07/05/06	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.01	0.501	1.52	—	pCi/L	Y	—	J	166673	GU060500G28R01	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	164	—	—	0.453	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	163	—	—	0.453	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	164	—	—	0.453	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	167	—	—	0.45	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	170	—	—	0.45	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.7	—	—	0.11	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.6	—	—	0.11	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.8	—	—	0.11	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.8	—	—	0.11	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	12.1	—	—	0.11	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.14	—	—	2	µg/L	Y	J	J	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.65	—	—	2	µg/L	Y	J	J	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	7.69	—	—	2	µg/L	Y	J	J	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.36	2.54	8.4	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.32	2.9	8.9	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	27.7	11	31	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6	5.8	18	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.13	8.69	25.7	—	pCi/L	Y	U	U	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.8	—	—	0.5	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	14.4	—	—	0.5	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	14.6	—	—	0.5	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	22.3	—	—	2.5	µg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	19.5	—	—	0.5	µg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.74	—	—	0.085	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.74	—	—	0.17	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.37	—	—	0.1	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.83	—	—	0.1	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.89	—	—	0.05	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.987	—	—	0.1	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.01	—	—	0.1	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.05	—	—	0.1	µg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.04	—	—	0.1	µg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00359	0.0171	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00208	0.0047	0.028	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.004	0.0049	0.032	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0104	0.0051	0.029	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00197	0.00114	0.0319	—	pCi/L	Y	U	U	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0127	0.00672	0.0306	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00833	0.0042	0.028	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.002	0.0072	0.039	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00208	0.0075	0.035	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00657	0.00518	0.0293	—	pCi/L	Y	U	U	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.9	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.81	—	—	0.05	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.02	—	—	0.05	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.88	—	—	0.05	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17.5	15.1	59.6	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.49	20	66	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-2.5	16	53	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.55	14	50	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	45.7	17.5	33.1	—	pCi/L	Y	UI	R	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	0.0782	—	—	0.053	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.4	—	—	0.053	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.6	—	—	0.053	mg/L	Y	—	J+	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.3	—	—	0.053	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.2	—	—	0.053	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.9	—	—	0.1	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.2	—	—	0.1	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.4	—	—	0.1	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.614	1.21	4.78	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.47	1.8	4.5	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.601	1.1	3.9	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.29	1.1	4	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.194	1.23	3.8	—	pCi/L	Y	U	U	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	415	—	—	1	µS/cm	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	411	—	—	1	µS/cm	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	442	—	—	1	µS/cm	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	407	—	—	1	µS/cm	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	394	—	—	1	µS/cm	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	181	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	175	—	—	1	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	179	—	—	1	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	185	—	—	1	µg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	180	—	—	1	µg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.083	0.123	0.486	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.112	0.14	0.49	—	pCi/L	Y	U	U	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0127	0.14	0.48	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.117	0.099	0.34	—	pCi/L	Y	U	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.113	0.098	0.388	—	pCi/L	Y	U	U	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	47.3	—	—	1.33	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	47.9	—	—	0.665	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	39.6	—	—	0.665	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	49.8	—	—	0.5	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	47.3	—	—	0.5	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	287	—	—	3.4	mg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	05/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	273	—	—	3.4	mg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	396	—	—	3.4	mg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	326	—	—	3.4	mg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	291	—	—	3.4	mg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.1	—	—	0.33	mg/L	Y	—	NQ	12-1481	CAMO-12-21735	GELC
R-28	934.3	05/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.883	—	—	0.33	mg/L	Y	J	J	12-1321	CAMO-12-14008	GELC
R-28	934.3	03/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.45	—	—	0.33	mg/L	Y	—	NQ	12-1091	CAMO-12-12018	GELC
R-28	934.3	11/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.743	—	—	0.33	mg/L	Y	J	J	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.542	—	—	0.33	mg/L	Y	J	J	11-3009	CAMO-11-24637	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.5	—	—	0.067	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.7	—	—	0.067	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.9	—	—	0.067	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.27	—	—	0.067	µg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.16	—	—	0.067	µg/L	Y	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.14	0.0486	0.0531	—	pCi/L	Y	—	NQ	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.85	0.077	0.068	—	pCi/L	Y	—	NQ	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.954	0.083	0.092	—	pCi/L	Y	—	NQ	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.793	0.058	0.057	—	pCi/L	Y	—	NQ	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.767	0.0706	0.0503	—	pCi/L	Y	—	NQ	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0147	0.00851	0.0343	—	pCi/L	Y	U	U	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.059	0.015	0.041	—	pCi/L	Y	—	NQ	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0417	0.012	0.045	—	pCi/L	Y	U	U	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0326	0.011	0.03	—	pCi/L	Y	—	U	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0522	0.0169	0.043	—	pCi/L	Y	—	J	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.433	0.0297	0.0269	—	pCi/L	Y	—	NQ	12-1481	CAMO-12-21735	GELC
R-28	934.3	07/14/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.371	0.041	0.047	—	pCi/L	Y	—	NQ	10-3698	CAMO-10-22860	GELC
R-28	934.3	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.407	0.043	0.045	—	pCi/L	Y	—	NQ	09-2878	CAMO-09-9546	GELC
R-28	934.3	08/15/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.399	0.034	0.03	—	pCi/L	Y	—	NQ	08-1699	CAMO-08-14543	GELC
R-28	934.3	08/17/07	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.34	0.0424	0.0672	—	pCi/L	Y	—	NQ	191952	GU070800G28R01	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.31	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.3	—	—	1	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.56	—	—	1	µg/L	Y	J	J	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.28	—	—	1	µg/L	Y	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.91	—	—	1	µg/L	Y	J	J	11-3009	CAMO-11-24638	GELC
R-28	934.3	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.55	—	—	3.3	µg/L	Y	J	J	12-1481	CAMO-12-21743	GELC
R-28	934.3	05/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	11.2	—	—	3.3	µg/L	Y	—	NQ	12-1321	CAMO-12-14023	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	29.4	—	—	3.3	µg/L	Y	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.3	—	—	3.3	µg/L	Y	J	J	11-3009	CAMO-11-24638	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.74	—	—	0.01	SU	Y	H	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.75	—	—	0.01	SU	Y	H	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.55	—	—	0.01	SU	Y	H	J-	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.63	—	—	0.01	SU	Y	H	J-	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.7	—	—	0.725	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.7	—	—	0.725	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.6	—	—	0.725	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.7	—	—	0.73	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.3	—	—	0.73	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00568	0.0389	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00446	0.003	0.037	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0033	0.0074	0.029	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0167	0.0081	0.04	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00141	0.0021	0.041	—	pCi/L	Y	U	U	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0631	—	—	0.017	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0234	—	—	0.017	mg/L	Y	J	U	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.176	—	—	0.016	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	87.8	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	95.1	—	—	1	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	95.5	—	—	1	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	95.4	—	—	1	µg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	99.8	—	—	1	µg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19	—	—	15	µg/L	Y	J	J	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.9	—	—	15	µg/L	Y	J	J	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.6	—	—	15	µg/L	Y	J	J	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.9	—	—	15	µg/L	Y	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.9	—	—	15	µg/L	Y	J	J	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.215	—	—	0.067	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.244	—	—	0.067	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.217	—	—	0.066	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.221	—	—	0.066	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.206	—	—	0.066	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	48.8	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	52.1	—	—	0.05	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	52.5	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	54.3	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	56.5	—	—	0.05	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.31	1.37	5.5	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.699	1.4	4.5	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.16	1.5	4.5	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.22	1.5	5.1	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.301	1.3	4.1	—	pCi/L	Y	U	U	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	37.8	—	—	0.67	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	38.7	—	—	0.67	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39.1	—	—	0.33	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	40.3	—	—	0.33	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	38.4	—	—	0.33	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	1070	—	—	40	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	894	—	—	2	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	969	—	—	2	µg/L	Y	—	J+	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	935	—	—	2	µg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	965	—	—	2	µg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.257	1.4	5.68	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.559	1.2	4.1	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.76	1.8	5.4	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.58	1.4	5	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.143	1.3	4.4	—	pCi/L	Y	U	U	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.268	—	—	0.033	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.271	—	—	0.033	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.277	—	—	0.033	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.265	—	—	0.033	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.248	—	—	0.033	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.106	0.385	2.17	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.54	0.93	2.6	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.23	0.79	2.5	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.736	0.65	2.3	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.768	0.69	2.5	—	pCi/L	Y	U	U	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.37	0.619	1.95	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	22.2	2.5	2.9	—	pCi/L	Y	—	NQ	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.55	0.72	2.2	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.55	0.93	2.7	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.46	1.3	3.6	—	pCi/L	Y	—	NQ	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	179	—	—	0.453	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	190	—	—	0.453	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	193	—	—	0.453	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	198	—	—	0.45	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	206	—	—	0.45	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	13.8	—	—	0.11	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.5	—	—	0.11	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.7	—	—	0.11	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.32	2.96	10.4	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.49	3.2	9.7	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.14	3.3	11	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	19.9	10	35	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-26.4	11	33	—	pCi/L	Y	U	U	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	24.4	—	—	0.5	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	25.6	—	—	0.5	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	25.9	—	—	0.5	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	20.8	—	—	0.5	µg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	21.6	—	—	0.5	µg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.55	—	—	0.085	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	6.08	—	—	0.17	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.75	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	6.56	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.75	—	—	0.05	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.34	—	—	0.1	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.4	—	—	0.1	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.31	—	—	0.1	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.22	—	—	0.1	µg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.42	—	—	0.1	µg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00259	0.00448	0.0174	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0024	0.032	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00456	0.0056	0.036	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00234	0.0023	0.041	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00377	0.008	0.031	—	pCi/L	Y	U	U	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00258	0.00578	0.0311	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00238	0.0041	0.032	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00912	0.0051	0.034	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00468	0.0047	0.028	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00753	0.0046	0.031	—	pCi/L	Y	U	U	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.45	—	—	0.05	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.53	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.68	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.59	—	—	0.05	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.9	17.1	71.1	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35.6	19	71	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.54	20	69	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.1	18	61	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.6	20	66	—	pCi/L	Y	U	U	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	0.0725	—	—	0.053	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.2	—	—	0.053	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.5	—	—	0.053	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.6	—	—	0.053	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	81.4	—	—	0.053	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.8	—	—	0.1	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.2	—	—	0.1	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.7	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.5	—	—	0.1	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.61	1.61	6.54	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.14	1.7	5	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.68	1.8	7	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.192	1.5	5	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.38	1.3	4.7	—	pCi/L	Y	U	U	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	478	—	—	1	µS/cm	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	480	—	—	1	µS/cm	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	465	—	—	1	µS/cm	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	473	—	—	1	µS/cm	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	454	—	—	1	µS/cm	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	188	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	200	—	—	1	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	203	—	—	1	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	208	—	—	1	µg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	208	—	—	1	µg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0216	0.137	0.479	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.343	0.15	0.47	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0939	0.13	0.47	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0315	0.087	0.32	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.214	0.12	0.45	—	pCi/L	Y	U	U	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	71.6	—	—	1.33	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	73.4	—	—	1.33	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	73.9	—	—	0.5	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	75.4	—	—	0.5	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	71.3	—	—	0.5	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	321	—	—	3.4	mg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	346	—	—	3.4	mg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	350	—	—	3.4	mg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	351	—	—	3.4	mg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	327	—	—	3.4	mg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.1	—	—	0.33	mg/L	Y	—	NQ	12-1481	CAMO-12-21736	GELC
R-42	931.8	05/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.651	—	—	0.33	mg/L	Y	J	J	12-1319	CAMO-12-14009	GELC
R-42	931.8	03/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.02	—	—	0.33	mg/L	Y	—	NQ	12-1066	CAMO-12-12020	GELC
R-42	931.8	11/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.2	—	—	0.33	mg/L	Y	—	NQ	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.952	—	—	0.33	mg/L	Y	J	J	11-3009	CAMO-11-24639	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.798	—	—	0.067	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.825	—	—	0.067	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.822	—	—	0.067	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.702	—	—	0.067	µg/L	Y	—	NQ	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.57	—	—	0.067	µg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.591	0.0387	0.0609	—	pCi/L	Y	—	NQ	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.544	0.053	0.062	—	pCi/L	Y	—	NQ	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.46	0.046	0.037	—	pCi/L	Y	—	NQ	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.56	0.067	0.075	—	pCi/L	Y	—	NQ	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.454	0.042	0.059	—	pCi/L	Y	—	NQ	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0197	0.00845	0.0393	—	pCi/L	Y	U	U	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00899	0.0052	0.038	—	pCi/L	Y	U	U	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0168	0.008	0.034	—	pCi/L	Y	U	U	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0234	0.012	0.059	—	pCi/L	Y	U	U	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0122	0.0091	0.03	—	pCi/L	Y	U	U	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.251	0.0241	0.0309	—	pCi/L	Y	—	NQ	12-1481	CAMO-12-21736	GELC
R-42	931.8	07/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.177	0.024	0.043	—	pCi/L	Y	—	NQ	10-3667	CAMO-10-22891	GELC
R-42	931.8	05/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.175	0.025	0.034	—	pCi/L	Y	—	NQ	10-3176	CAMO-10-16822	GELC
R-42	931.8	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.217	0.036	0.053	—	pCi/L	Y	—	NQ	10-1807	CAMO-10-9357	GELC
R-42	931.8	11/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.186	0.022	0.036	—	pCi/L	Y	—	NQ	10-396	CAMO-10-3218	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.06	—	—	1	µg/L	Y	—	NQ	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.74	—	—	1	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.68	—	—	1	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.92	—	—	1	µg/L	Y	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.49	—	—	1	µg/L	Y	J	J	11-3009	CAMO-11-24640	GELC
R-42	931.8	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.64	—	—	3.3	µg/L	Y	J	J	12-1481	CAMO-12-21744	GELC
R-42	931.8	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.9	—	—	3.3	µg/L	Y	—	NQ	12-1319	CAMO-12-14024	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.6	—	—	3.3	µg/L	Y	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.72	—	—	3.3	µg/L	Y	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.1	—	—	3.3	µg/L	Y	—	NQ	11-3009	CAMO-11-24640	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	J-	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	J-	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	42.3	—	—	0.725	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.9	—	—	0.725	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50.3	—	—	0.725	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.2	—	—	0.73	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	37.5	—	—	0.73	mg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0128	0.00904	0.0438	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00121	0.003	0.04	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00736	0.0034	0.021	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00131	0.0034	0.033	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00195	0.0018	0.031	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.101	—	—	0.017	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0673	—	—	0.017	mg/L	Y	—	U	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.102	—	—	0.016	mg/L	Y	—	U	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0177	—	—	0.016	mg/L	Y	J	J	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.96	—	—	1.7	µg/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	3.71	—	—	1.7	µg/L	Y	J	U	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	25	—	—	8.5	µg/L	Y	U	U	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	6.98	—	—	1.7	µg/L	Y	—	U	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.1	—	—	1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.3	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.3	—	—	1	µg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.7	—	—	1	µg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	J	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.7	—	—	15	µg/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.4	—	—	15	µg/L	Y	J	J	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	37.6	—	—	15	µg/L	Y	J	J	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.3	—	—	15	µg/L	Y	J	J	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.4	—	—	0.05	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.7	—	—	0.05	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.871	1.26	4.49	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.736	1.5	4.8	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.94	1.5	5.1	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.03	1.6	5	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.2	1.6	4.3	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.11	—	—	0.067	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.16	—	—	0.067	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.88	—	—	0.066	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.56	—	—	0.066	mg/L	Y	—	J+	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.64	—	—	0.066	mg/L	Y	—	J+	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	42.2	—	—	2	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	34.5	—	—	2	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	37.4	—	—	2	µg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	37	—	—	10	µg/L	N	J	R	12-346	CASA-12-1393	GELC
R-43 S1	903.9	11/15/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	32.4	—	—	2	µg/L	Y	—	NQ	12-346-1	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	28.6	—	—	2	µg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.42	1.19	5.6	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.614	1.5	5.1	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.46	1.5	4.2	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.59	1.7	5.1	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.53	1.4	3.9	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.398	—	—	0.033	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.388	—	—	0.033	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.377	—	—	0.033	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.346	—	—	0.033	mg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.248	0.295	2.08	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	6.9	1.6	2.7	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.31	0.39	2.3	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.54	1	2.5	—	pCi/L	Y	—	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0498	0.56	2.5	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.19	0.717	2.37	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.34	0.87	2.9	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.12	0.75	2.5	—	pCi/L	Y	—	NQ	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.721	0.81	2.7	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.45	0.86	2.8	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.9	—	—	0.453	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.2	—	—	0.453	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.8	—	—	0.453	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.5	—	—	0.45	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.7	—	—	0.45	mg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.11	—	—	0.11	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.85	—	—	0.11	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4	—	—	0.11	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.64	—	—	0.11	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.99	—	—	0.11	mg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.33	—	—	2	µg/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.165	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.165	µg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.17	µg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.17	µg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0705	2.61	9.25	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.38	2.8	9.3	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.47	3	9.9	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	8.78	16	52	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.99	12	35	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.24	—	—	0.5	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.7	—	—	0.5	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.68	—	—	0.5	µg/L	Y	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	10	—	—	2.5	µg/L	Y	U	U	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.35	—	—	0.5	µg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.92	—	—	0.17	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.14	—	—	0.17	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.56	—	—	0.1	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.14	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.56	—	—	0.1	mg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	08/14/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.99	—	—	0.1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.988	—	—	0.1	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.966	—	—	0.05	µg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.94	—	—	0.1	µg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.982	—	—	0.05	µg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00486	0.0134	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0114	0.0094	0.03	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00477	0.0034	0.038	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0174	0.007	0.033	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0083	0.036	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00198	0.00525	0.0239	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00227	0.0068	0.031	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00477	0.0058	0.035	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00194	0.0043	0.022	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.007	0.036	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.37	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.34	—	—	0.05	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.68	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22	15.3	64.1	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.876	17	57	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-55	19	52	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.8	24	83	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.17	17	62	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.05	—	—	1.5	µg/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.25	—	—	1.5	µg/L	Y	J	J	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.04	—	—	1.5	µg/L	Y	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.35	—	—	1.5	µg/L	Y	J	J	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.5	—	—	0.053	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.1	—	—	0.053	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.2	—	—	0.053	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.9	—	—	0.053	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.9	—	—	0.053	mg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.9	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.34	1.29	4.23	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.421	1.6	5.3	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.659	1.4	4.8	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.101	1.8	6.1	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.06	1.5	5.4	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	µS/cm	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	178	—	—	1	µS/cm	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	182	—	—	1	µS/cm	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	175	—	—	1	µS/cm	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	µS/cm	Y	—	NQ	11-3244	CASA-11-24784	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.6	—	—	1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	66.4	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	68.7	—	—	1	µg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	102	—	—	1	µg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.9	—	—	1	µg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0796	0.146	0.494	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.111	0.13	0.48	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00616	0.13	0.48	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.119	0.13	0.45	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.197	0.12	0.49	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.8	—	—	0.133	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.7	—	—	0.133	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	169	—	—	3.4	mg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	190	—	—	3.4	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	186	—	—	3.4	mg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.782	—	—	0.33	mg/L	Y	J	J	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	05/22/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-1315	CASA-12-14058	GELC
R-43 S1	903.9	03/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.773	—	—	0.33	mg/L	Y	J	J	12-1075	CASA-12-11710	GELC
R-43 S1	903.9	11/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.61	—	—	0.33	mg/L	Y	J	J	12-345	CASA-12-1391	GELC
R-43 S1	903.9	08/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3244	CASA-11-24785	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0459	—	—	0.017	mg/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0326	—	—	0.017	mg/L	Y	J	J	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.104	—	—	0.015	mg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0216	—	—	0.015	mg/L	Y	J	J	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.123	—	—	0.015	mg/L	Y	—	U	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0962	0.0227	0.0902	—	pCi/L	Y	—	NQ	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0578	0.011	0.043	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0921	0.017	0.042	—	pCi/L	Y	—	NQ	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.106	0.018	0.076	—	pCi/L	Y	—	NQ	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0861	0.016	0.073	—	pCi/L	Y	—	NQ	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.00933	0.0582	—	pCi/L	Y	U	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0102	0.0055	0.026	—	pCi/L	Y	U	U	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00316	0.0032	0.038	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00334	0.0034	0.043	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.005	0.037	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.054	0.0151	0.0458	—	pCi/L	Y	—	U	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0398	0.0095	0.03	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22705	GELC
R-43 S1	903.9	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0332	0.01	0.038	—	pCi/L	Y	U	U	10-3107	CASA-10-16795	GELC
R-43 S1	903.9	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0433	0.012	0.049	—	pCi/L	Y	U	U	10-1598	CASA-10-9484	GELC
R-43 S1	903.9	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0263	0.011	0.045	—	pCi/L	Y	U	U	10-636	CASA-10-3858	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.45	—	—	1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.07	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.35	—	—	1	µg/L	Y	—	NQ	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.72	—	—	1	µg/L	Y	—	NQ	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.99	—	—	1	µg/L	Y	—	NQ	11-3244	CASA-11-24784	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.86	—	—	3.3	µg/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	5.68	—	—	3.3	µg/L	Y	J	U	12-1315	CASA-12-14063	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.36	—	—	3.3	µg/L	Y	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.86	—	—	3.3	µg/L	Y	J	J	11-3244	CASA-11-24784	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.71	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.49	—	—	0.01	SU	Y	H	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.63	—	—	0.01	SU	Y	H	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.63	—	—	0.01	SU	Y	H	J-	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.64	—	—	0.01	SU	Y	H	J-	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.6	—	—	0.01	SU	Y	H	J-	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	10.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	7.25	—	—	0.725	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	7.18	—	—	0.725	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	9.15	—	—	0.73	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	9.15	—	—	0.73	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	5.28	—	—	0.73	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.3	—	—	0.725	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.6	—	—	0.725	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.9	—	—	0.73	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.9	—	—	0.73	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.4	—	—	0.73	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00384	0.00719	0.0263	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00526	0.0072	0.037	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0029	0.0021	0.022	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00867	0.0065	0.046	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0155	0.02	0.05	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0294	—	—	0.017	mg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0536	—	—	0.017	mg/L	Y	—	U	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0924	—	—	0.016	mg/L	Y	—	U	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0174	—	—	0.016	mg/L	Y	J	J	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.49	—	—	1.7	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	3.83	—	—	1.7	µg/L	Y	J	U	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	25	—	—	8.5	µg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	25	—	—	8.5	µg/L	Y	U	U	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	10.1	—	—	1.7	µg/L	Y	—	U	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.1	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.4	—	—	1	µg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	N	5	—	—	1	µg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.3	—	—	1	µg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.3	—	—	1	µg/L	Y	—	J	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	38.6	—	—	15	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	35.2	—	—	15	µg/L	Y	J	J	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	35.9	—	—	15	µg/L	Y	J	J	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	23.7	—	—	15	µg/L	Y	J	J	12-346	CASA-12-1398	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	36.8	—	—	15	µg/L	Y	J	J	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	39.6	—	—	15	µg/L	Y	J	J	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.6	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	N	0.2	—	—	0.05	mg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.1	—	—	0.05	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.416	1.23	4.47	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.702	1.4	4.4	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.767	1.4	4.5	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0096	1.6	5.2	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.881	1.4	4	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.72	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.7	—	—	0.067	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.51	—	—	0.066	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.39	—	—	0.066	mg/L	Y	—	J+	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.37	—	—	0.066	mg/L	Y	—	J+	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.51	—	—	0.066	mg/L	Y	—	J+	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.85	—	—	2	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.45	—	—	2	µg/L	Y	J	J	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.64	—	—	2	µg/L	Y	J	J	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	50	—	—	10	µg/L	N	U	R	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	50	—	—	10	µg/L	N	U	R	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.3	—	—	2	µg/L	Y	J	J	12-346-1	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	RE	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.43	—	—	2	µg/L	Y	J	J	12-346-1	CASA-12-1398	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.64	—	—	2	µg/L	Y	J	J	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.423	1.19	4.5	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.614	1.4	4.3	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.3	1.3	4.6	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.431	1.6	5.4	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.29	1.4	4.2	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.337	—	—	0.033	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.345	—	—	0.033	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.334	—	—	0.033	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.33	—	—	0.033	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.312	—	—	0.033	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.69	0.617	2.26	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.663	0.71	2.7	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	3.05	1.1	2.3	—	pCi/L	Y	—	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.05	0.75	2.5	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.672	0.78	2.9	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.81	0.738	2.34	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.84	0.91	2.9	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.07	0.76	2.5	—	pCi/L	Y	—	NQ	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.49	0.86	2.6	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.38	0.77	2.4	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.8	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.4	—	—	0.453	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.6	—	—	0.453	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	N	1.24	—	—	0.45	mg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.1	—	—	0.45	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.6	—	—	0.45	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.68	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.43	—	—	0.11	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.42	—	—	0.11	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.39	—	—	0.11	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	N	0.3	—	—	0.11	mg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.59	—	—	0.11	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.57	—	—	0.165	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.41	—	—	0.165	µg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	—	0.165	µg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.76	—	—	0.17	µg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.68	—	—	0.17	µg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.24	—	—	0.17	µg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.84	2.27	8.48	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.182	2.8	8.9	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.64	2.7	8.6	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.53	13	41	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	23.2	10	34	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.695	—	—	0.5	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.638	—	—	0.5	µg/L	Y	J	J	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.695	—	—	0.5	µg/L	Y	J	J	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	10	—	—	2.5	µg/L	Y	U	U	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	10	—	—	2.5	µg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.02	—	—	0.5	µg/L	Y	J	J	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	—	—	0.085	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.085	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.04	—	—	0.05	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.63	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.6	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.389	—	—	0.01	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.497	—	—	0.05	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.422	—	—	0.05	µg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.438	—	—	0.05	µg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.454	—	—	0.05	µg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.421	—	—	0.05	µg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.435	—	—	0.05	µg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00653	0.0179	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00187	0.0032	0.025	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00194	0.0019	0.031	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00214	0.003	0.036	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00463	0.0046	0.038	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00799	0.00596	0.0321	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0131	0.0062	0.025	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00776	0.0048	0.029	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00642	0.0048	0.025	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00694	0.0046	0.038	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.44	—	—	0.05	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	N	0.15	—	—	0.05	mg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.64	—	—	0.05	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35.6	13.7	46.7	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.0522	19	67	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	36.2	16	60	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	25	25	88	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21.5	17	32	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.2	—	—	0.053	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.6	—	—	0.053	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	2.45	—	—	0.053	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.9	—	—	0.053	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	0.267	—	—	0.1	mg/L	Y	J	J	12-346	CASA-12-1398	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.4	—	—	0.1	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0861	1.15	4.53	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.112	1.1	3.7	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.957	1.2	4.1	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.921	1.5	5.1	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.936	1.2	3.7	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	186	—	—	1	µS/cm	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	—	—	1	µS/cm	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	1	µS/cm	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	µS/cm	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	µS/cm	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	µS/cm	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	95.3	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	94.9	—	—	1	µg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	N	5	—	—	1	µg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	98.3	—	—	1	µg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.27	0.131	0.495	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.186	0.14	0.48	—	pCi/L	Y	U	U	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	0.889	0.19	0.43	—	pCi/L	N	—	R	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	05/10/10	WG	UF	RE	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.187	0.12	0.5	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0611	0.12	0.44	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0985	0.13	0.47	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.15	—	—	0.133	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.15	—	—	0.133	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.96	—	—	0.1	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.98	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.01	—	—	0.1	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.04	—	—	0.1	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	—	3.4	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.641	—	—	0.33	mg/L	Y	J	J	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	05/22/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-1315	CASA-12-14059	GELC
R-43 S2	969.1	03/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.559	—	—	0.33	mg/L	Y	J	J	12-1076	CASA-12-11711	GELC
R-43 S2	969.1	11/15/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.606	—	—	0.33	mg/L	Y	J	J	12-345	CASA-12-1397	GELC
R-43 S2	969.1	11/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.597	—	—	0.33	mg/L	Y	J	J	12-345	CASA-12-1396	GELC
R-43 S2	969.1	08/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3244	CASA-11-24787	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0197	—	—	0.017	mg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.042	—	—	0.017	mg/L	Y	J	J	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0984	—	—	0.015	mg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0192	—	—	0.015	mg/L	Y	J	J	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.075	—	—	0.015	mg/L	Y	—	U	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.02	—	—	0.067	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.02	—	—	0.067	µg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.998	—	—	0.067	µg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.04	—	—	0.067	µg/L	Y	—	NQ	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.05	—	—	0.067	µg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.13	—	—	0.067	µg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.803	0.0537	0.0889	—	pCi/L	Y	—	NQ	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.12	0.089	0.045	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.08	0.098	0.05	—	pCi/L	Y	—	NQ	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.17	0.1	0.072	—	pCi/L	Y	—	NQ	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.906	0.077	0.078	—	pCi/L	Y	—	NQ	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0123	0.0136	0.0574	—	pCi/L	Y	U	U	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0756	0.014	0.027	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0191	0.01	0.046	—	pCi/L	Y	U	U	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0319	0.01	0.041	—	pCi/L	Y	U	U	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0134	0.0089	0.039	—	pCi/L	Y	U	U	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.309	0.0328	0.0451	—	pCi/L	Y	—	NQ	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.446	0.042	0.031	—	pCi/L	Y	—	NQ	10-3718	CASA-10-22709	GELC
R-43 S2	969.1	05/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.423	0.048	0.046	—	pCi/L	Y	—	NQ	10-3107	CASA-10-16799	GELC
R-43 S2	969.1	02/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.426	0.045	0.047	—	pCi/L	Y	—	NQ	10-1598	CASA-10-9486	GELC
R-43 S2	969.1	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.32	0.034	0.048	—	pCi/L	Y	—	NQ	10-636	CASA-10-3861	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.09	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	05/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.12	—	—	1	µg/L	Y	—	NQ	12-1315	CASA-12-14064	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.04	—	—	1	µg/L	Y	—	NQ	12-1076	CASA-12-11715	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.68	—	—	1	µg/L	Y	—	NQ	12-346	CASA-12-1395	GELC
R-43 S2	969.1	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.22	—	—	1	µg/L	Y	—	NQ	11-3244	CASA-11-24786	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	J-	12-384	CAMO-12-1504	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	J-	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	J-	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.9	—	—	0.725	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.725	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61	—	—	0.725	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.73	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.73	mg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.73	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0136	0.00753	0.0266	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00616	0.0036	0.015	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.006	0.0035	0.015	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0183	0.0056	0.023	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0157	0.0053	0.024	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000769	0.0029	0.027	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00295	0.0029	0.029	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00178	0.003	0.03	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.174	—	—	0.017	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0667	—	—	0.016	mg/L	Y	—	U	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0285	—	—	0.016	mg/L	Y	J	J	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.7	—	—	1	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.6	—	—	1	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.6	—	—	1	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.1	—	—	1	µg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.7	—	—	1	µg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.5	—	—	1	µg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18	—	—	15	µg/L	Y	J	J	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.8	—	—	15	µg/L	Y	J	J	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.6	—	—	15	µg/L	Y	J	J	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.2	—	—	15	µg/L	Y	J	J	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	18.9	—	—	15	µg/L	Y	J	J	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.2	—	—	15	µg/L	Y	J	J	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.5	—	—	0.05	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.1	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.4	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.1	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.48	1.36	5.34	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.64	1.6	5.2	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.989	1.6	5.4	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.7	1.6	5.8	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.33	1.3	4.1	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.975	1.4	5	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.283	1.3	4.2	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.47	0.94	3.1	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.14	—	—	0.067	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.79	—	—	0.067	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.08	—	—	0.066	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.72	—	—	0.066	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.32	—	—	0.066	mg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.31	—	—	0.066	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	87.4	—	—	2	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	98.3	—	—	2	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	99.8	—	—	2	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	89.4	—	—	2	µg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	71.2	—	—	2	µg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	69.5	—	—	2	µg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.808	1.38	5.59	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.39	1.7	5.9	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.742	1.1	4.1	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.85	1.3	5.2	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.981	1.7	5.8	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0178	1.5	4.8	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.299	1.6	5.2	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.9	1.2	4.3	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.328	—	—	0.033	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.336	—	—	0.033	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.334	—	—	0.033	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.313	—	—	0.033	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.334	—	—	0.033	mg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.331	—	—	0.033	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0264	0.333	2.1	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.37	0.74	2.1	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.829	0.69	2.2	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.1	0.72	2.3	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.73	0.79	1.9	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.7	0.62	2.3	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.21	0.59	2.5	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.66	0.97	2.9	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.741	0.808	2.76	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.57	0.7	2.1	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.95	0.87	2.6	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.35	0.97	3	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.254	0.69	2.7	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.3	0.73	2.3	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2	0.89	2.7	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.68	0.87	2.4	—	pCi/L	Y	—	NQ	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.5	—	—	0.453	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.9	—	—	0.453	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.1	—	—	0.453	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56	—	—	0.45	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.9	—	—	0.45	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.5	—	—	0.45	mg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.41	—	—	0.11	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.64	—	—	0.11	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.77	—	—	0.11	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.44	—	—	0.11	mg/L	Y	—	J	12-384	CAMO-12-1504	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.29	—	—	0.11	mg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.41	—	—	0.11	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.75	—	—	0.165	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.6	—	—	0.165	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.85	—	—	0.165	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.47	—	—	0.17	µg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.18	—	—	0.17	µg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.29	—	—	0.17	µg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.675	2.66	9.23	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.45	2.3	7.6	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.97	2.9	9	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.12	2.7	9.7	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.668	3.2	10	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.88	2.1	7.1	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.23	2.7	9.4	—	pCi/L	Y	U	U	10-3563	CAMO-10-22902	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.01	—	—	0.5	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.5	—	—	0.5	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.41	—	—	0.5	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.51	—	—	0.5	µg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.51	—	—	0.5	µg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.66	—	—	0.5	µg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.81	—	—	0.085	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.72	—	—	0.085	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.53	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.28	—	—	0.05	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.4	—	—	0.05	mg/L	Y	—	J	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.555	—	—	0.05	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.582	—	—	0.05	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.521	—	—	0.05	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.545	—	—	0.05	µg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.488	—	—	0.05	µg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.506	—	—	0.05	µg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00477	0.00477	0.016	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0113	0.0056	0.039	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0056	0.0056	0.048	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00412	0.0041	0.025	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00429	0.0043	0.026	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00232	0.004	0.029	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00249	0.0035	0.031	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0048	0.027	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00238	0.00715	0.0287	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00227	0.0039	0.056	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	6.67E-10	0.0069	0.069	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.005	0.038	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00214	0.0083	0.039	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00248	0.0056	0.046	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00464	0.0057	0.043	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00237	0.0071	0.049	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.56	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.93	19.7	65.5	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-19	21	70	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-53.1	24	58	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	14.1	16	42	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.32	20	67	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.04	17	60	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	14.5	20	69	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.97	16	31	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.2	—	—	0.053	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.4	—	—	0.053	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.8	—	—	0.053	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.3	—	—	0.053	mg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.5	—	—	0.053	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.7	—	—	0.1	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.9	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.7	—	—	0.1	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.8	—	—	0.1	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.55	1.46	5	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.253	1.3	4.5	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.19	1.5	4.4	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.204	1.5	5.1	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.663	1.2	4.3	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.35	1.4	4.9	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	2.76	1.7	6.4	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.53	0.97	2.8	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	µS/cm	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	µS/cm	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	179	—	—	1	µS/cm	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	µS/cm	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	169	—	—	1	µS/cm	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	—	1	µS/cm	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.1	—	—	1	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	63	—	—	1	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61.6	—	—	1	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.6	—	—	1	µg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	55.2	—	—	1	µg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.5	—	—	1	µg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0219	0.128	0.486	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0124	0.15	0.52	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.265	0.14	0.53	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.161	0.15	0.5	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0136	0.13	0.48	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	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	02/23/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0982	0.14	0.51	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.233	0.16	0.51	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.216	0.12	0.49	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.6	—	—	0.133	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.4	—	—	0.133	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.97	—	—	0.1	mg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.9	—	—	0.1	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	157	—	—	3.4	mg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.22	—	—	0.33	mg/L	Y	—	NQ	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	05/31/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.67	—	—	0.33	mg/L	Y	—	NQ	12-1334	CAMO-12-14014	GELC
R-50 S1	1077	03/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.831	—	—	0.33	mg/L	Y	J	U	12-1066	CAMO-12-12021	GELC
R-50 S1	1077	11/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.44	—	—	0.33	mg/L	Y	J	J	12-383	CAMO-12-1505	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.518	—	—	0.33	mg/L	Y	J	J	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.54	—	—	0.33	mg/L	Y	J	J	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0308	—	—	0.017	mg/L	Y	J	J	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.029	—	—	0.017	mg/L	Y	J	J	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0608	—	—	0.015	mg/L	Y	—	U	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0181	—	—	0.015	mg/L	Y	J	J	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.169	—	—	0.015	mg/L	Y	—	U	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0984	—	—	0.015	mg/L	Y	—	U	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.623	—	—	0.067	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.6	—	—	0.067	µg/L	Y	—	NQ	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.654	—	—	0.067	µg/L	Y	—	NQ	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.609	—	—	0.067	µg/L	Y	—	NQ	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.638	—	—	0.067	µg/L	Y	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.591	—	—	0.067	µg/L	Y	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.369	0.0352	0.0764	—	pCi/L	Y	—	NQ	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.484	0.05	0.056	—	pCi/L	Y	—	NQ	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.431	0.044	0.045	—	pCi/L	Y	—	NQ	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.454	0.051	0.085	—	pCi/L	Y	—	NQ	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.509	0.051	0.065	—	pCi/L	Y	—	NQ	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.501	0.052	0.06	—	pCi/L	Y	—	NQ	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.403	0.045	0.061	—	pCi/L	Y	—	NQ	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.416	0.046	0.059	—	pCi/L	Y	—	NQ	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0141	0.00999	0.0493	—	pCi/L	Y	U	U	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.011	0.0078	0.028	—	pCi/L	Y	U	U	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0134	0.0068	0.034	—	pCi/L	Y	U	U	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0189	0.01	0.048	—	pCi/L	Y	U	U	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.032	0.011	0.037	—	pCi/L	Y	U	U	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0213	0.01	0.039	—	pCi/L	Y	U	U	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0242	0.011	0.038	—	pCi/L	Y	U	U	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0138	0.007	0.039	—	pCi/L	Y	U	U	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.16	0.0221	0.0387	—	pCi/L	Y	—	NQ	12-1503	CAMO-12-21737	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	08/04/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.195	0.026	0.035	—	pCi/L	Y	—	NQ	11-3042	CAMO-11-24675	GELC
R-50 S1	1077	08/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.193	0.027	0.043	—	pCi/L	Y	—	NQ	11-3042	CAMO-11-24673	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.267	0.036	0.038	—	pCi/L	Y	—	NQ	11-2549	CAMO-11-10722	GELC
R-50 S1	1077	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.181	0.027	0.029	—	pCi/L	Y	—	NQ	11-2549	CAMO-11-10720	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.19	0.028	0.041	—	pCi/L	Y	—	NQ	11-1433	CAMO-11-4614	GELC
R-50 S1	1077	02/23/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.219	0.03	0.042	—	pCi/L	Y	—	NQ	11-1433	CAMO-11-4611	GELC
R-50 S1	1077	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.21	0.029	0.039	—	pCi/L	Y	—	NQ	11-563	CAMO-11-1312	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.91	—	—	1	µg/L	Y	J	J	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.82	—	—	1	µg/L	Y	J	J	12-1334	CAMO-12-14029	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.72	—	—	1	µg/L	Y	J	J	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.52	—	—	1	µg/L	Y	J	J	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.75	—	—	1	µg/L	Y	J	J	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.51	—	—	1	µg/L	Y	J	J	11-3042	CAMO-11-24676	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	J-	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	J-	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.9	—	—	0.725	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.1	—	—	0.725	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.6	—	—	0.725	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.5	—	—	0.73	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.73	mg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00314	0.0305	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00554	0.0041	0.014	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0019	0.0033	0.039	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00828	0.0036	0.026	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00662	0.0037	0.03	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00329	0.0048	0.027	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.399	—	—	0.017	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0723	—	—	0.017	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0808	—	—	0.016	mg/L	Y	—	U	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.072	—	—	0.016	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.6	—	—	1	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.8	—	—	1	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.9	—	—	1	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.1	—	—	1	µg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.7	—	—	1	µg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.9	—	—	0.05	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.84	1.54	6.08	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-5.65	2.9	7.2	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.5	1.8	6.3	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.468	1.6	5.5	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0143	1.2	4.1	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.06	1.9	6.6	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.11	—	—	0.067	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.08	—	—	0.067	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.06	—	—	0.066	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.09	—	—	0.066	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.07	—	—	0.066	mg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.17	—	—	2	µg/L	Y	J	J	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.99	—	—	2	µg/L	Y	J	J	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.77	—	—	2	µg/L	Y	J	J	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.09	—	—	2	µg/L	Y	J	J	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.498	1.45	5.46	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.52	2.1	5	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.63	1.4	2.1	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.41	1.8	5.1	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0736	1.2	4	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0695	1.3	4.4	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.339	—	—	0.033	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.39	—	—	0.033	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.394	—	—	0.033	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.38	—	—	0.033	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.363	—	—	0.033	mg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.009	0.506	2.4	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.497	0.79	3	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.562	0.62	2.3	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.8	0.78	1.8	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.165	0.66	2.8	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.63	0.9	2.8	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.16	0.929	2.98	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.36	0.89	2.9	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.58	0.94	2.8	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.137	0.63	2.4	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.433	0.7	2.5	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.12	0.68	2.2	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.9	—	—	0.453	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.7	—	—	0.453	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.9	—	—	0.453	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.7	—	—	0.45	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.3	—	—	0.45	mg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.93	—	—	0.11	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.92	—	—	0.11	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.9	—	—	0.11	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.13	—	—	0.11	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.19	—	—	0.11	mg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.3	—	—	0.165	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.33	—	—	0.165	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.31	—	—	0.17	µg/L	Y	—	J	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.17	µg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.02	3.01	11.4	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.2	2.1	7	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.1	3.3	10	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.236	2.6	8.5	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.06	2	6.9	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	07/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.53	3.2	10	—	pCi/L	Y	U	U	10-3563	CAMO-10-22907	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	µg/L	Y	J	J	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.45	—	—	0.5	µg/L	Y	J	J	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.6	—	—	0.5	µg/L	Y	J	J	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.47	—	—	0.5	µg/L	Y	J	J	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.75	—	—	0.5	µg/L	Y	J	J	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.975	—	—	0.085	mg/L	N	—	R	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	08/16/12	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.495	—	—	0.017	mg/L	Y	H	NQ	12-1506-1	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.55	—	—	0.085	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.505	—	—	0.05	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.17	—	—	0.01	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.53	—	—	0.05	mg/L	Y	—	J	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.336	—	—	0.05	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.341	—	—	0.05	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.325	—	—	0.05	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.31	—	—	0.05	µg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.331	—	—	0.05	µg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00506	0.00506	0.017	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	9.41E-10	0.0079	0.034	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00193	0.0019	0.023	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00361	0.0089	0.023	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0022	0.026	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00453	0.0039	0.026	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00253	0.00438	0.0305	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0118	0.0056	0.048	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0077	0.0047	0.035	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00181	0.0048	0.034	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00453	0.0045	0.047	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	2.65E-10	0.0044	0.046	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	J	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.964	19.9	75.6	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-14.4	22	60	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.3	21	63	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	41.6	21	79	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-38.7	17	48	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21.3	18	64	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.9	—	—	0.053	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.7	—	—	0.053	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.6	—	—	0.053	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.6	—	—	0.053	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.6	—	—	0.053	mg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.591	1.52	6.08	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.22	1.3	4.4	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.45	1.9	5.6	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.338	1.6	5.3	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.201	1.1	3.6	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.667	1.2	3.9	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	1	µS/cm	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	137	—	—	1	µS/cm	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	µS/cm	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.7	—	—	1	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.6	—	—	1	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.6	—	—	1	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.7	—	—	1	µg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.9	—	—	1	µg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.319	0.122	0.484	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0159	0.15	0.52	—	pCi/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.168	0.13	0.48	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.12	0.14	0.5	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.15	0.14	0.5	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.117	0.12	0.48	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.48	—	—	0.133	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.49	—	—	0.133	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.54	—	—	0.1	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.65	—	—	0.1	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.62	—	—	0.1	mg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.534	—	—	0.33	mg/L	Y	J	J	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	05/31/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.663	—	—	0.33	mg/L	Y	J	J	12-1334	CAMO-12-14015	GELC
R-50 S2	1185	03/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.568	—	—	0.33	mg/L	Y	J	J	12-1061	CAMO-12-12022	GELC
R-50 S2	1185	11/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.56	—	—	0.33	mg/L	Y	J	J	12-440	CAMO-12-1809	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.62	—	—	0.067	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.603	—	—	0.067	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.673	—	—	0.067	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.642	—	—	0.067	µg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.582	—	—	0.067	µg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.446	0.0373	0.0722	—	pCi/L	Y	—	J	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.51	0.048	0.041	—	pCi/L	Y	—	NQ	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.528	0.054	0.072	—	pCi/L	Y	—	NQ	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.468	0.048	0.05	—	pCi/L	Y	—	NQ	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.602	0.059	0.055	—	pCi/L	Y	—	NQ	11-563	CAMO-11-1317	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.599	0.057	0.052	—	pCi/L	Y	—	NQ	11-563	CAMO-11-1316	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0267	0.0106	0.0466	—	pCi/L	Y	U	U	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0296	0.0088	0.025	—	pCi/L	Y	—	NQ	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0172	0.0092	0.055	—	pCi/L	Y	U	U	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.0063	0.037	—	pCi/L	Y	U	U	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0258	0.0093	0.036	—	pCi/L	Y	U	U	11-563	CAMO-11-1317	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0182	0.0076	0.034	—	pCi/L	Y	U	U	11-563	CAMO-11-1316	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.203	0.0237	0.0366	—	pCi/L	Y	—	J	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.201	0.025	0.032	—	pCi/L	Y	—	NQ	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.272	0.034	0.038	—	pCi/L	Y	—	NQ	11-2527	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.177	0.025	0.036	—	pCi/L	Y	—	NQ	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.279	0.033	0.036	—	pCi/L	Y	—	NQ	11-563	CAMO-11-1317	GELC
R-50 S2	1185	11/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.251	0.031	0.034	—	pCi/L	Y	—	NQ	11-563	CAMO-11-1316	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.23	—	—	1	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.32	—	—	1	µg/L	Y	—	NQ	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.08	—	—	1	µg/L	Y	—	NQ	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.37	—	—	1	µg/L	Y	—	NQ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.41	—	—	1	µg/L	Y	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.61	—	—	3.3	µg/L	Y	J	J	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	05/31/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.6	—	—	3.3	µg/L	Y	J	J	12-1334	CAMO-12-14030	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.52	—	—	3.3	µg/L	Y	J	J	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.27	—	—	3.3	µg/L	Y	J	J	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.36	—	—	3.3	µg/L	Y	J	J	11-3082	CAMO-11-24680	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.45	—	—	0.01	SU	Y	H	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.48	—	—	0.01	SU	Y	H	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.49	—	—	0.01	SU	Y	H	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	—	—	0.01	SU	Y	H	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.12	—	—	0.725	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	3.98	—	—	0.725	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.5	—	—	0.725	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.6	—	—	0.725	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.7	—	—	0.725	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.5	—	—	0.725	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00885	0.0078	0.0404	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00691	0.00949	0.0393	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00273	0.0466	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00871	0.00435	0.0392	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.148	—	—	0.017	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0629	—	—	0.017	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0449	—	—	0.017	mg/L	Y	J	J	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.119	—	—	0.017	mg/L	Y	—	U	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23	—	—	1	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.9	—	—	1	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.5	—	—	1	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.118	—	—	0.067	mg/L	Y	J	J	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.075	—	—	0.067	mg/L	Y	J	J	12-1349	CAMO-12-14000	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.1	—	—	0.05	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.55	1.38	6.11	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.239	1.45	5.45	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.07	1.55	5.26	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.714	1.39	4.99	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.74	—	—	0.067	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.26	—	—	0.067	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.26	—	—	0.067	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.64	—	—	0.066	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	175	—	—	2	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	135	—	—	10	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	129	—	—	10	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	198	—	—	2	µg/L	Y	N	J-	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.822	1.39	5.96	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.67	1.94	8.1	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.255	1.22	4.81	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.51	1.16	4.41	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.202	—	—	0.033	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.242	—	—	0.033	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.246	—	—	0.033	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.413	—	—	0.033	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.91	0.822	2.24	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.861	0.757	2.5	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.89	0.87	2.34	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.45	0.772	2.25	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.2	0.677	2.17	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.39	0.789	2.47	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.17	0.864	2.65	—	pCi/L	Y	—	NQ	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.72	0.794	2.49	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.3	—	—	0.453	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.7	—	—	0.453	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.1	—	—	0.453	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.453	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.4	—	—	0.11	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.32	—	—	0.11	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.31	—	—	0.11	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.86	—	—	0.11	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.61	—	—	0.165	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.14	—	—	0.165	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.09	—	—	0.165	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.36	—	—	0.165	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.26	2.75	10.8	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.58	2.85	11.1	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0449	2.58	9.3	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.985	2.55	8.96	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.15	—	—	0.5	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.09	—	—	0.5	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.11	—	—	0.5	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.06	—	—	0.5	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	—	—	0.085	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.08	—	—	0.085	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.1	—	—	0.085	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.39	—	—	0.05	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.819	—	—	0.05	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.775	—	—	0.05	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.765	—	—	0.05	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.777	—	—	0.05	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00414	0.0197	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00799	0.0642	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00834	0.016	0.0632	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0142	0.00884	0.037	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0117	0.00926	0.0353	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00565	0.00799	0.0634	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0167	0.00681	0.0624	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00608	0.00731	0.0286	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16.9	17	71.7	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	39	22.2	95.2	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-8.52	17.6	67.4	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.1	15.7	65.6	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	0.0609	—	—	0.053	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	61.4	—	—	0.053	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.7	—	—	0.053	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.3	—	—	0.053	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.1	—	—	0.1	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.8	—	—	0.1	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.1	—	—	0.1	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.09	1.3	5.73	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.33	1.74	7.95	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.706	1.16	4.62	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.65	1.49	4.95	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	µS/cm	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	18.4	—	—	1	µS/cm	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	1	µS/cm	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	198	—	—	1	µS/cm	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	77.5	—	—	1	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	80.3	—	—	1	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	79.1	—	—	1	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	80.4	—	—	1	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.232	0.131	0.482	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.386	0.13	0.478	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.019	0.132	0.487	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.103	0.108	0.414	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.6	—	—	0.133	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.8	—	—	0.133	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.8	—	—	0.133	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.56	—	—	0.1	mg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	180	—	—	3.4	mg/L	Y	—	J	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.589	—	—	0.33	mg/L	Y	J	J	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.928	—	—	0.33	mg/L	Y	J	J	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.889	—	—	0.33	mg/L	Y	J	J	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.398	—	—	0.33	mg/L	Y	J	J-	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	7.009	1.284	2.032	—	pCi/L	Y	—	U	12-1497	CAMO-12-21741	ARSL
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.822	0.993	1.993	—	pCi/L	Y	—	NQ	12-1361	CAMO-12-14018	ARSL
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.663	0.978	2.015	—	pCi/L	Y	—	NQ	12-1361	CAMO-12-13999	ARSL
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	6.638	1.215	1.943	—	pCi/L	Y	—	NQ	12-1152	CAMO-12-12025	ARSL
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.957	—	—	0.067	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.991	—	—	0.067	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.945	—	—	0.067	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.06	—	—	0.067	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.605	0.0359	0.0538	—	pCi/L	Y	—	J	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.661	0.0612	0.131	—	pCi/L	Y	—	J	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.586	0.0472	0.093	—	pCi/L	Y	—	NQ	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.8	0.0437	0.0561	—	pCi/L	Y	—	J	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00995	0.00609	0.0347	—	pCi/L	Y	U	U	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00661	0.0106	0.0743	—	pCi/L	Y	U	U	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0359	0.0136	0.0522	—	pCi/L	Y	U	U	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0199	0.00944	0.0324	—	pCi/L	Y	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.268	0.0236	0.0273	—	pCi/L	Y	—	J	12-1482	CAMO-12-21741	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.313	0.0427	0.0687	—	pCi/L	Y	—	J	12-1349	CAMO-12-14018	GELC
R-62	1158.4	06/06/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.301	0.0327	0.0485	—	pCi/L	Y	—	NQ	12-1349	CAMO-12-13999	GELC
R-62	1158.4	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.341	0.029	0.036	—	pCi/L	Y	—	J	12-1149	CAMO-12-12025	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.95	—	—	1	µg/L	Y	J	J	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.67	—	—	1	µg/L	Y	J	J	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.49	—	—	1	µg/L	Y	J	J	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.27	—	—	1	µg/L	Y	J	J	12-1149	CAMO-12-12034	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	16.8	—	—	3.3	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	06/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14.9	—	—	3.3	µg/L	Y	—	NQ	12-1349	CAMO-12-14033	GELC
R-62	1158.4	06/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14.1	—	—	3.3	µg/L	Y	—	NQ	12-1349	CAMO-12-14000	GELC
R-62	1158.4	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	37.5	—	—	3.3	µg/L	Y	—	NQ	12-1149	CAMO-12-12034	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.58	—	—	0.01	SU	Y	H	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.65	—	—	0.01	SU	Y	H	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.67	—	—	0.01	SU	Y	H	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.66	—	—	0.01	SU	Y	H	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.51	—	—	0.01	SU	Y	H	J-	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	J-	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.74	—	—	0.01	SU	Y	H	J-	11-3176	CASA-11-24766	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.1	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.8	—	—	0.725	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.3	—	—	0.725	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.6	—	—	0.725	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.1	—	—	0.725	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.3	—	—	0.73	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.7	—	—	0.73	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.2	—	—	0.73	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0436	—	—	0.017	mg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.174	—	—	0.017	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.101	—	—	0.017	mg/L	Y	—	U	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0535	—	—	0.017	mg/L	Y	—	U	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0505	—	—	0.016	mg/L	Y	—	U	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.105	—	—	0.016	mg/L	Y	—	U	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.91	—	—	1.7	µg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	1.7	—	—	1.7	µg/L	Y	U	U	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	25	—	—	8.5	µg/L	Y	U	U	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	68.5	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	69.2	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	66.4	—	—	1	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	71.7	—	—	1	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	65.1	—	—	1	µg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	65.1	—	—	1	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70	—	—	1	µg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	64.7	—	—	1	µg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	65	—	—	1	µg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.7	—	—	15	µg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	23.3	—	—	15	µg/L	Y	J	J	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.8	—	—	15	µg/L	Y	J	J	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.5	—	—	15	µg/L	Y	J	J	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	µg/L	Y	J	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.5	—	—	15	µg/L	Y	J	J	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.4	—	—	15	µg/L	Y	J	J	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	21.6	—	—	15	µg/L	Y	J	J	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.5	—	—	15	µg/L	Y	J	J	11-3176	CASA-11-24766	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.59	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.581	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.55	—	—	0.067	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.577	—	—	0.067	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.572	—	—	0.067	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.583	—	—	0.067	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.546	—	—	0.066	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.505	—	—	0.066	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.52	—	—	0.066	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	69.4	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.3	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.3	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.9	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.3	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.6	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	71.7	—	—	0.05	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	66.5	—	—	0.05	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	66.8	—	—	0.05	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	59.8	—	—	0.67	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	61.5	—	—	0.67	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.5	—	—	0.67	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.9	—	—	0.67	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	65.8	—	—	0.335	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	65.7	—	—	0.335	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	67.8	—	—	0.33	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.2	—	—	0.66	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60	—	—	0.66	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	491	—	—	2	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	453	—	—	2	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	440	—	—	2	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	433	—	—	2	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	450	—	—	2	µg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	446	—	—	2	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	501	—	—	10	µg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	504	—	—	2	µg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	511	—	—	2	µg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.186	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.185	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.201	—	—	0.033	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.209	—	—	0.033	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.207	—	—	0.033	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.21	—	—	0.033	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.199	—	—	0.033	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.193	—	—	0.033	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	240	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	243	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	242	—	—	0.453	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	237	—	—	0.453	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	235	—	—	0.453	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	236	—	—	0.453	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	247	—	—	0.45	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	228	—	—	0.45	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	231	—	—	0.45	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.2	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.4	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.1	—	—	0.11	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.9	—	—	0.11	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.5	—	—	0.11	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.8	—	—	0.11	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.6	—	—	0.11	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.1	—	—	0.11	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.5	—	—	0.11	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.727	—	—	0.165	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.676	—	—	0.165	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.586	—	—	0.165	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.559	—	—	0.165	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.636	—	—	0.165	µg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.654	—	—	0.165	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.684	—	—	0.17	µg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.702	—	—	0.17	µg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.709	—	—	0.17	µg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.6	—	—	0.5	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	15.9	—	—	0.5	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	19	—	—	0.5	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.4	—	—	0.5	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.9	—	—	0.5	µg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.6	—	—	0.5	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.5	—	—	2.5	µg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	17	—	—	0.5	µg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.8	—	—	0.5	µg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.89	—	—	0.17	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.78	—	—	0.17	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.47	—	—	0.17	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.47	—	—	0.17	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.08	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.14	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.9	—	—	0.05	mg/L	Y	—	J-	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.57	—	—	0.1	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.47	—	—	0.1	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.03	—	—	0.1	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.944	—	—	0.05	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.943	—	—	0.05	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.04	—	—	0.1	µg/L	Y	—	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.07	—	—	0.1	µg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.01	—	—	0.1	µg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.04	—	—	0.1	µg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.73	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.73	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.64	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.59	—	—	0.05	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.8	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.84	—	—	0.05	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.13	—	—	0.05	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.63	—	—	0.05	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.7	—	—	0.05	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.7	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.5	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.4	—	—	0.053	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.2	—	—	0.053	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.6	—	—	0.053	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.5	—	—	0.053	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.3	—	—	0.053	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.9	—	—	0.27	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.4	—	—	0.27	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.5	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.5	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.7	—	—	0.1	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.4	—	—	0.1	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.7	—	—	0.1	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.9	—	—	0.1	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.4	—	—	0.1	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.6	—	—	0.1	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	22	—	—	0.1	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	µS/cm	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	596	—	—	1	µS/cm	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	µS/cm	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	596	—	—	1	µS/cm	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	µS/cm	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	601	—	—	1	µS/cm	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	593	—	—	1	µS/cm	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	595	—	—	1	µS/cm	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	606	—	—	1	µS/cm	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	589	—	—	1	µS/cm	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	590	—	—	1	µS/cm	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	336	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	338	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	334	—	—	1	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	329	—	—	1	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	337	—	—	1	µg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	339	—	—	1	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	350	—	—	1	µg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	325	—	—	1	µg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	321	—	—	1	µg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	85.4	—	—	1.33	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	88	—	—	1.33	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	84.9	—	—	1.33	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	86.2	—	—	1.33	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	90.3	—	—	0.665	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	90.3	—	—	0.665	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	92.2	—	—	0.5	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	84	—	—	1	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	84.5	—	—	1	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	396	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	400	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	411	—	—	3.4	mg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	433	—	—	3.4	mg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	416	—	—	3.4	mg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	376	—	—	3.4	mg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	406	—	—	3.4	mg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	441	—	—	3.4	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	407	—	—	3.4	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.035	—	—	0.035	mg/L	Y	U	U	12-1495	CASA-12-21646	GELC
SCI-2	548	08/13/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0591	—	—	0.035	mg/L	Y	J	J	12-1495	CASA-12-22309	GELC
SCI-2	548	05/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.111	—	—	0.035	mg/L	Y	—	NQ	12-1318	CASA-12-14061	GELC
SCI-2	548	05/23/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.126	—	—	0.035	mg/L	Y	—	NQ	12-1318	CASA-12-14068	GELC
SCI-2	548	03/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.103	—	—	0.035	mg/L	Y	—	NQ	12-1053	CASA-12-11712	GELC
SCI-2	548	03/05/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.105	—	—	0.035	mg/L	Y	—	NQ	12-1053	CASA-12-11739	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0827	—	—	0.035	mg/L	Y	J	J+	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	1	—	—	0.35	mg/L	Y	U	U	11-3176	CASA-11-24765	GELC
SCI-2	548	08/11/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	1	—	—	0.35	mg/L	Y	U	U	11-3176	CASA-11-24767	GELC
SCI-2	548	08/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.37	—	—	0.33	mg/L	Y	—	NQ	12-1495	CASA-12-21646	GELC
SCI-2	548	08/13/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.38	—	—	0.33	mg/L	Y	—	NQ	12-1495	CASA-12-22309	GELC
SCI-2	548	05/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.975	—	—	0.33	mg/L	Y	J	J	12-1318	CASA-12-14061	GELC
SCI-2	548	05/23/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.956	—	—	0.33	mg/L	Y	J	J	12-1318	CASA-12-14068	GELC
SCI-2	548	03/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.18	—	—	0.33	mg/L	Y	—	J-	12-1053	CASA-12-11712	GELC
SCI-2	548	03/05/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.18	—	—	0.33	mg/L	Y	—	J-	12-1053	CASA-12-11739	GELC
SCI-2	548	11/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.31	—	—	0.33	mg/L	Y	—	NQ	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.766	—	—	0.33	mg/L	Y	J	J	11-3176	CASA-11-24767	GELC
SCI-2	548	08/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.777	—	—	0.33	mg/L	Y	J	J	11-3176	CASA-11-24765	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0429	—	—	0.017	mg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0593	—	—	0.017	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0441	—	—	0.017	mg/L	Y	J	J	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0374	—	—	0.017	mg/L	Y	J	J	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0356	—	—	0.015	mg/L	Y	J	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0266	—	—	0.015	mg/L	Y	J	J	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.025	—	—	0.015	mg/L	Y	J	J	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.119	—	—	0.015	mg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.144	—	—	0.015	mg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.83	—	—	0.067	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.63	—	—	0.067	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.96	—	—	0.067	µg/L	Y	—	NQ	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.86	—	—	0.067	µg/L	Y	—	NQ	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.8	—	—	0.067	µg/L	Y	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.84	—	—	0.067	µg/L	Y	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.6	—	—	0.067	µg/L	Y	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.36	—	—	0.067	µg/L	Y	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.37	—	—	0.067	µg/L	Y	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.56	—	—	1	µg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.59	—	—	1	µg/L	Y	J	J	12-1495	CASA-12-22310	GELC
SCI-2	548	05/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.99	—	—	1	µg/L	Y	J	J	12-1318	CASA-12-14066	GELC
SCI-2	548	05/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.91	—	—	1	µg/L	Y	J	J	12-1318	CASA-12-14067	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.76	—	—	1	µg/L	Y	J	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.62	—	—	1	µg/L	Y	J	J	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	12-331	CASA-12-1378	GELC

Chromium Investigation Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	11-3176	CASA-11-24766	GELC

Appendix D

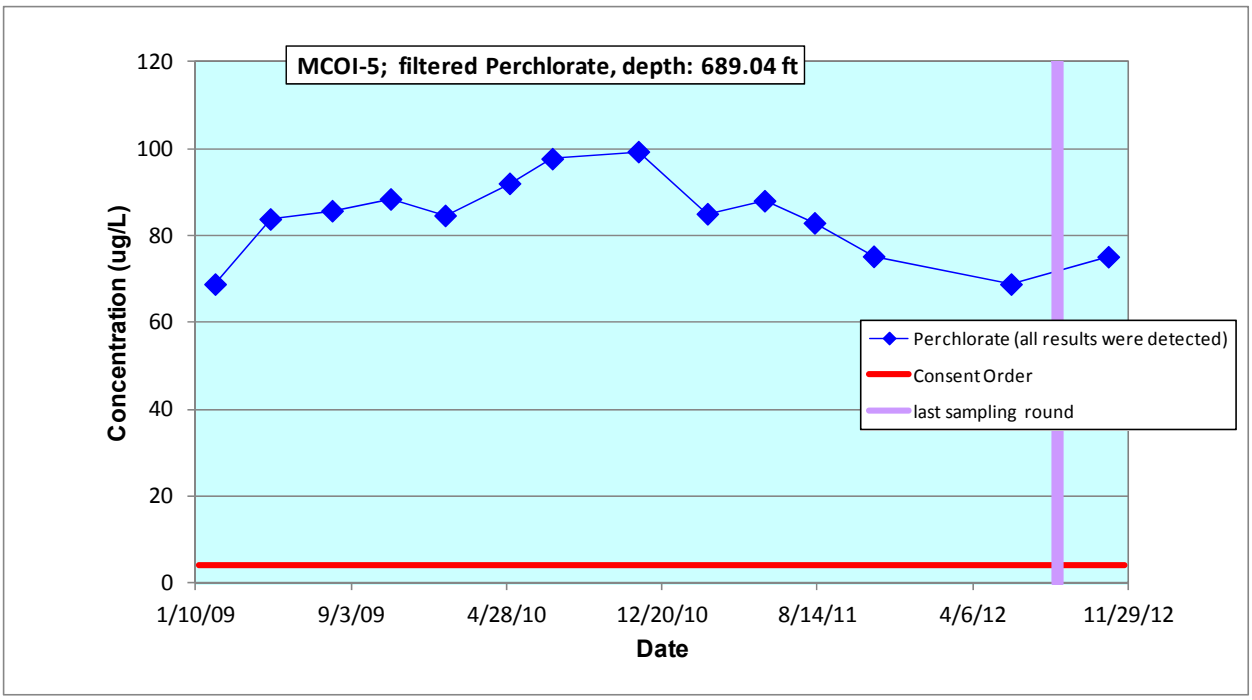
Groundwater Results Greater Than Half of Screening Levels

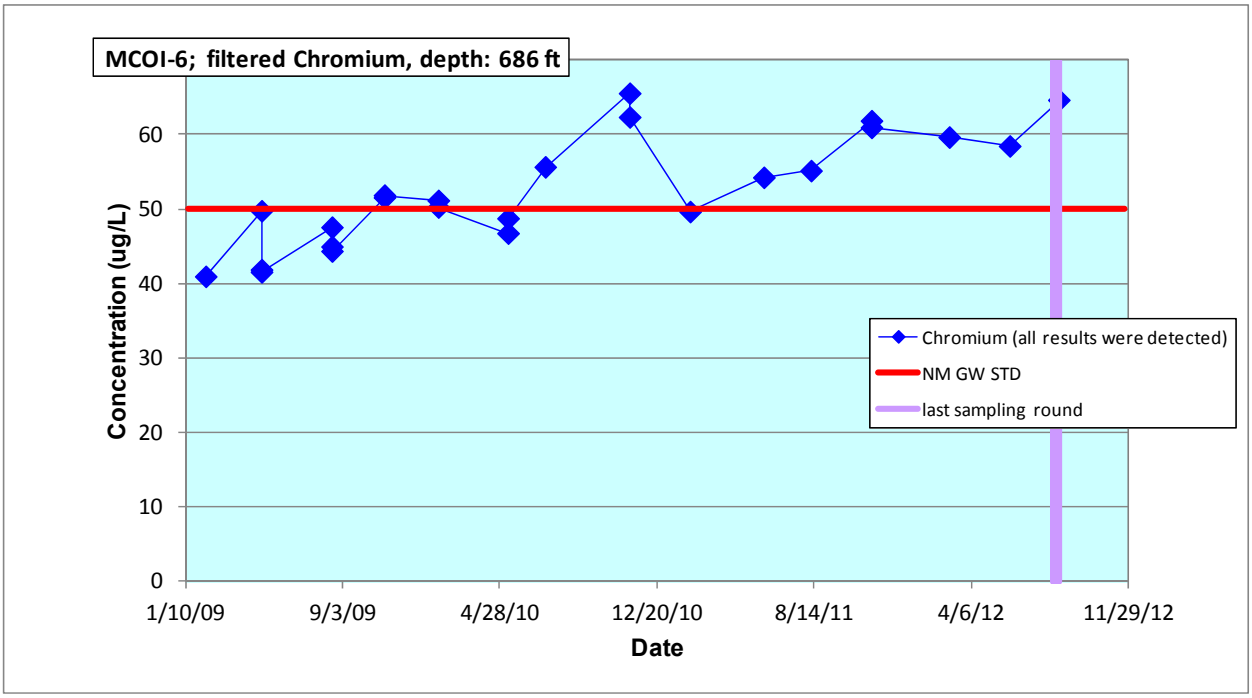
Zone	Location	Screen Top Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Prep Code	Analysis Type Code	Field Quality Control Code	Detect Flag	Report Result	Method Detection Limit	Unit	Dilution Factor	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Intermediate	MCOI-6	686	08/17/12	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F[a]	INIT[b]	REG[c]	Y[d]	7.96	0.17	mg/L	10	NQ[e]	NQ	Y	EPA:353.2	GELC[f]	10	EPA MCL[g]	0.80
Regional	R-11	855	08/17/12	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-42	931.8	08/08/12	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.55	0.085	mg/L	5	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.56
Regional	R-43 S1	903.9	08/14/12	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.92	0.17	mg/L	10	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.59
Intermediate	MCOI-6	686	08/17/12	General Chemistry	Perchlorate	ClO4	F	INIT	REG	Y	60.6	5	µg/L	100	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	15.15
Intermediate	MCOI-6	686	08/17/12	Metals	Chromium	Cr	F	INIT	REG	Y	64.6	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD[h]	1.29
Intermediate	SCI-2	548	08/13/12	Metals	Chromium	Cr	F	INIT	FD[i]	Y	453	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	9.06
Intermediate	SCI-2	548	08/13/12	Metals	Chromium	Cr	F	INIT	REG	Y	491	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	9.82
Regional	R-28	934.3	08/08/12	Metals	Chromium	Cr	F	INIT	REG	Y	450	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	9.00
Regional	R-42	931.8	08/08/12	Metals	Chromium	Cr	F	INIT	REG	Y	1070	40	µg/L	20	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	21.40
Regional	R-43 S1	903.9	08/14/12	Metals	Chromium	Cr	F	INIT	REG	Y	42.2	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	0.84
Regional	R-50 S1	1077	08/15/12	Metals	Chromium	Cr	F	INIT	REG	Y	87.4	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	1.75
Regional	R-62	1158.4	08/08/12	Metals	Chromium	Cr	F	INIT	REG	Y	175	2	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	3.50

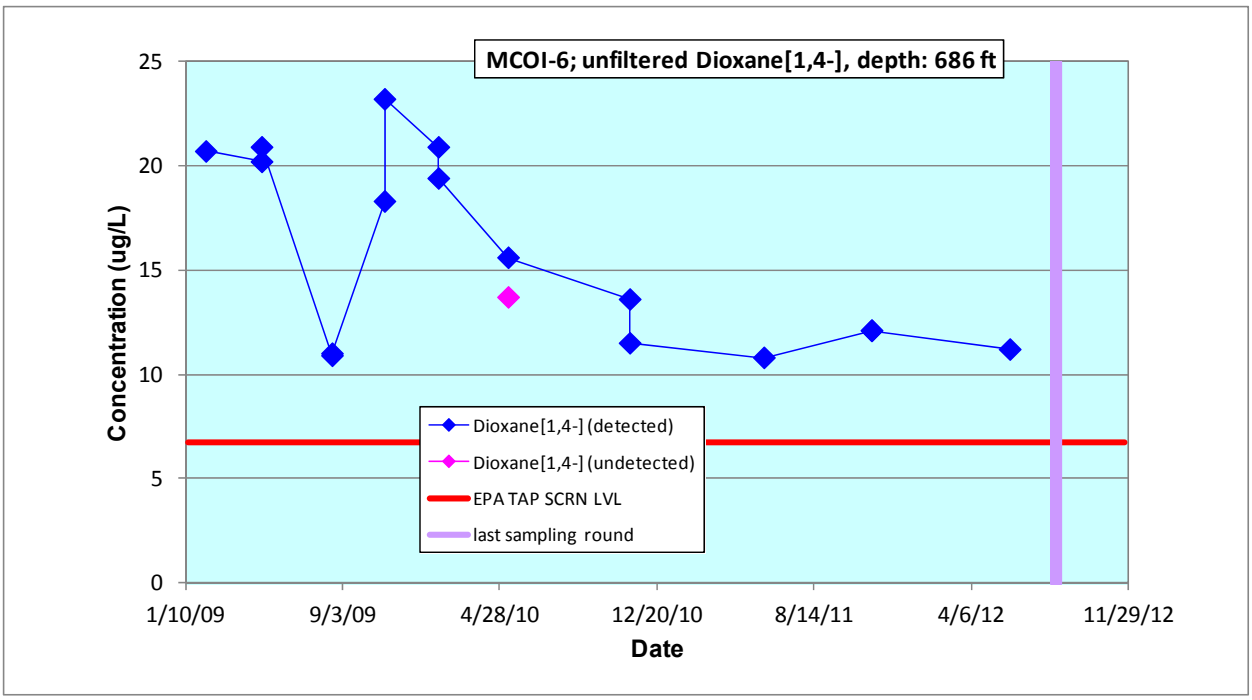
[a] F = Filtered.
[b] INIT = Initial.
[c] REG = Regular.
[d] Y = Yes.
[e] NQ = Not qualified.
[f] GELC = General Engineering Laboratories, Inc., Charleston, SC.
[g] EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.
[h] NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.
[i] FD = Field duplicate.

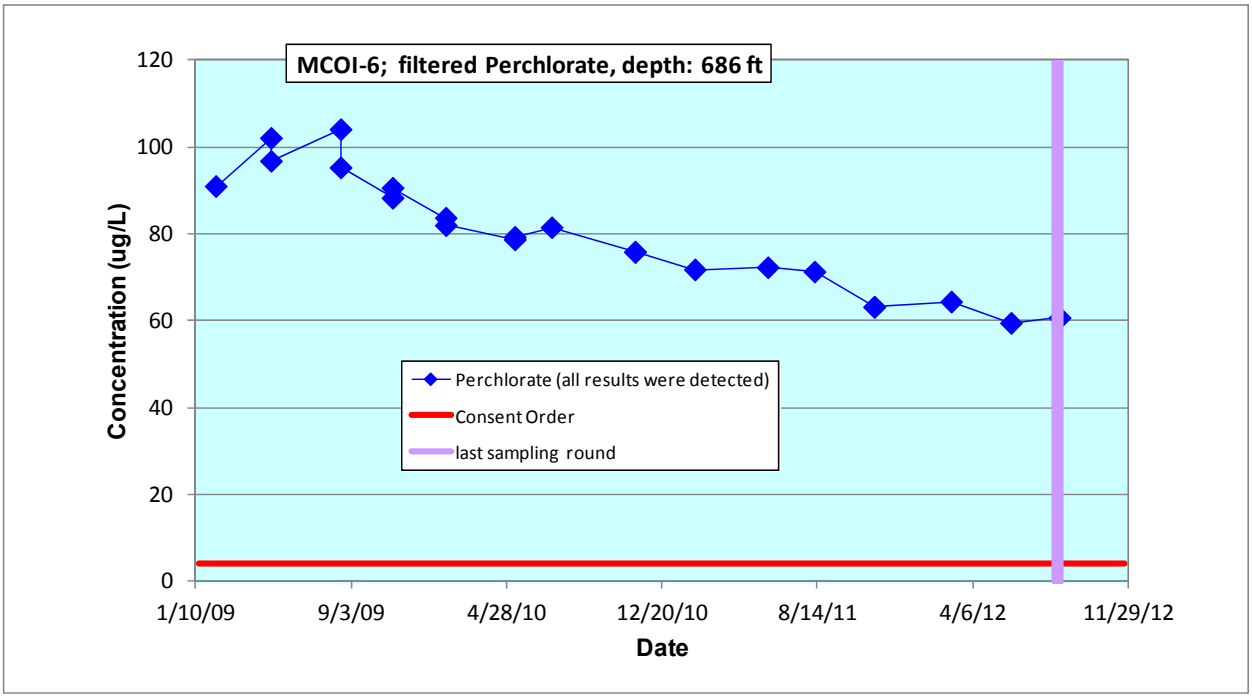
Appendix E

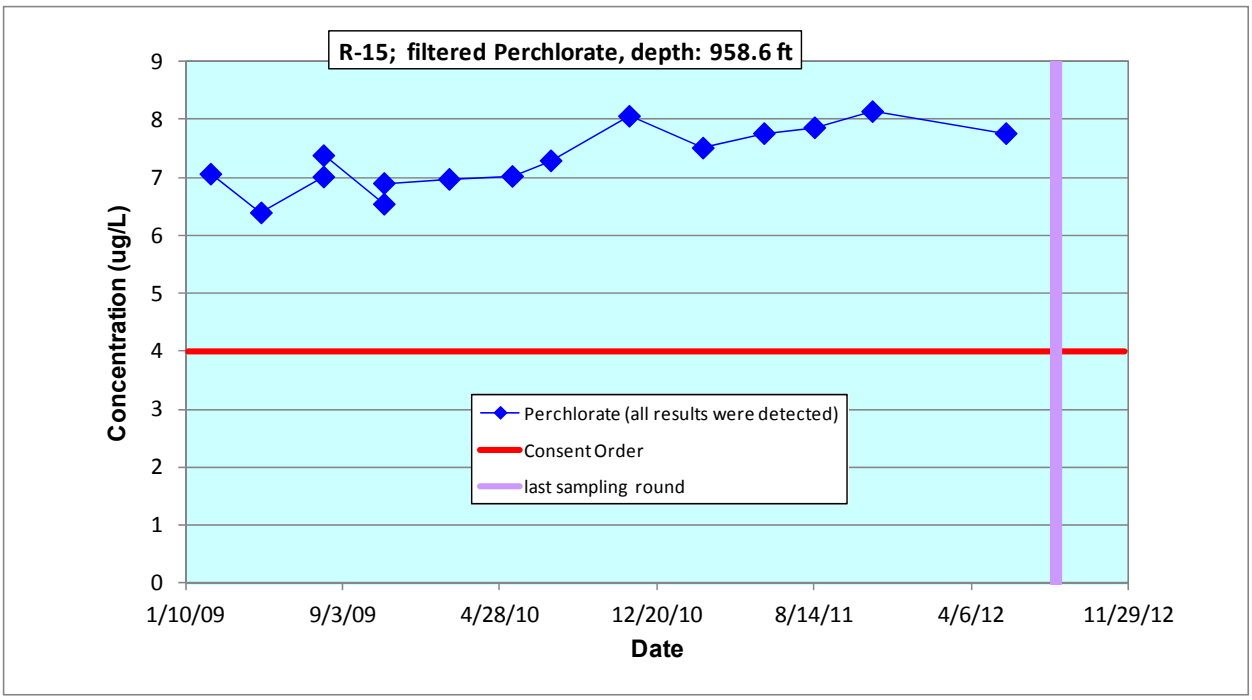
Analytical Chemistry Graphs of Screening-Level Exceedances

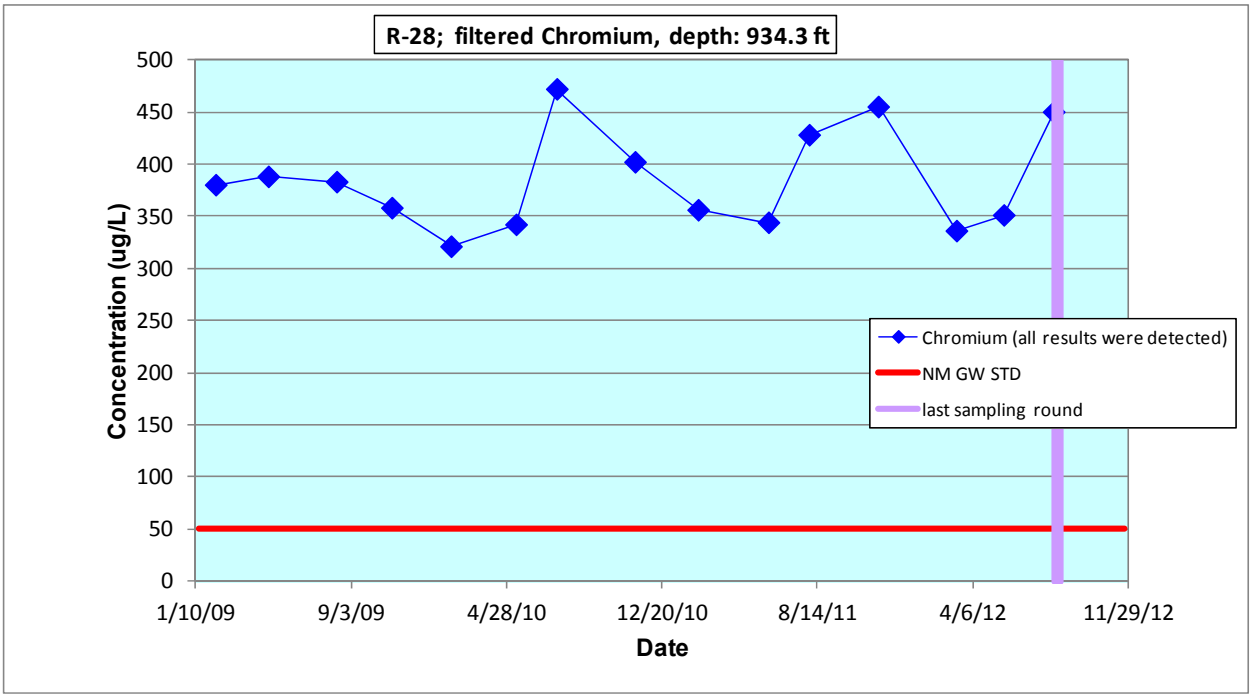

MCOI-5; filtered Perchlorate, depth: 689.04 ft
Concentration (ug/L)
120
100
80
60
40
20
0
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

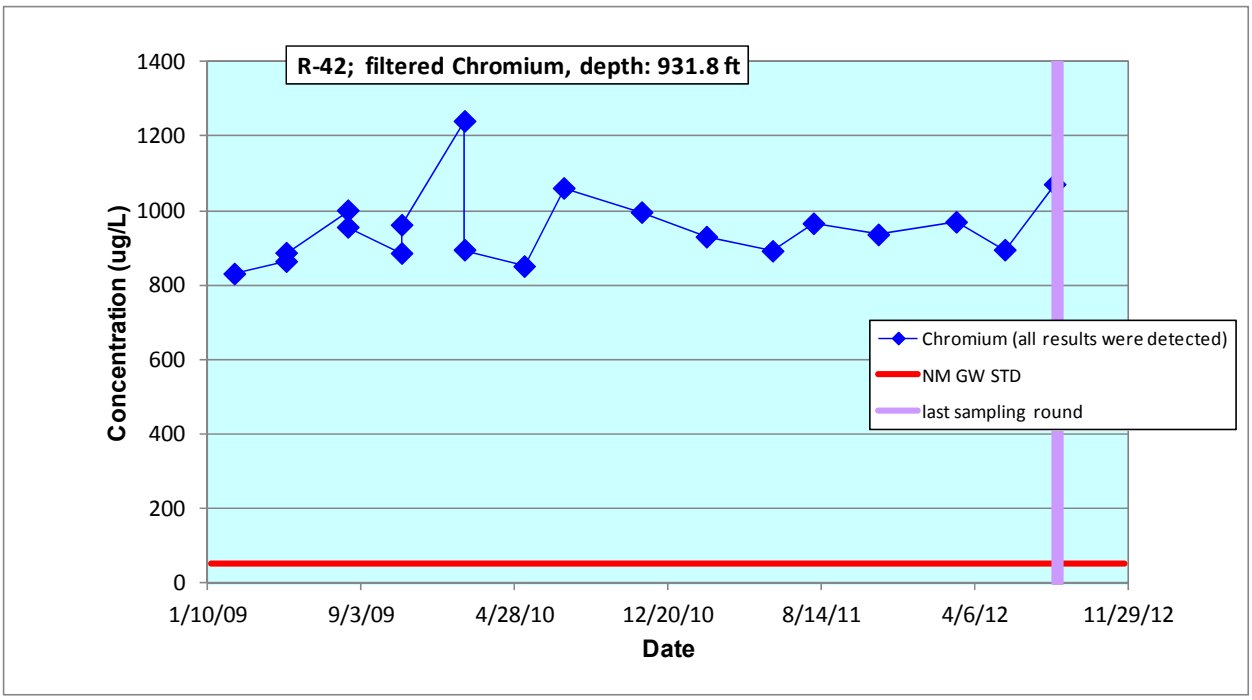

MCOI-6; filtered Chromium, depth: 686 ft
Concentration (ug/L)
60
50
40
30
20
10
0
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Chromium (all results were detected)
NM GW STD
last sampling round

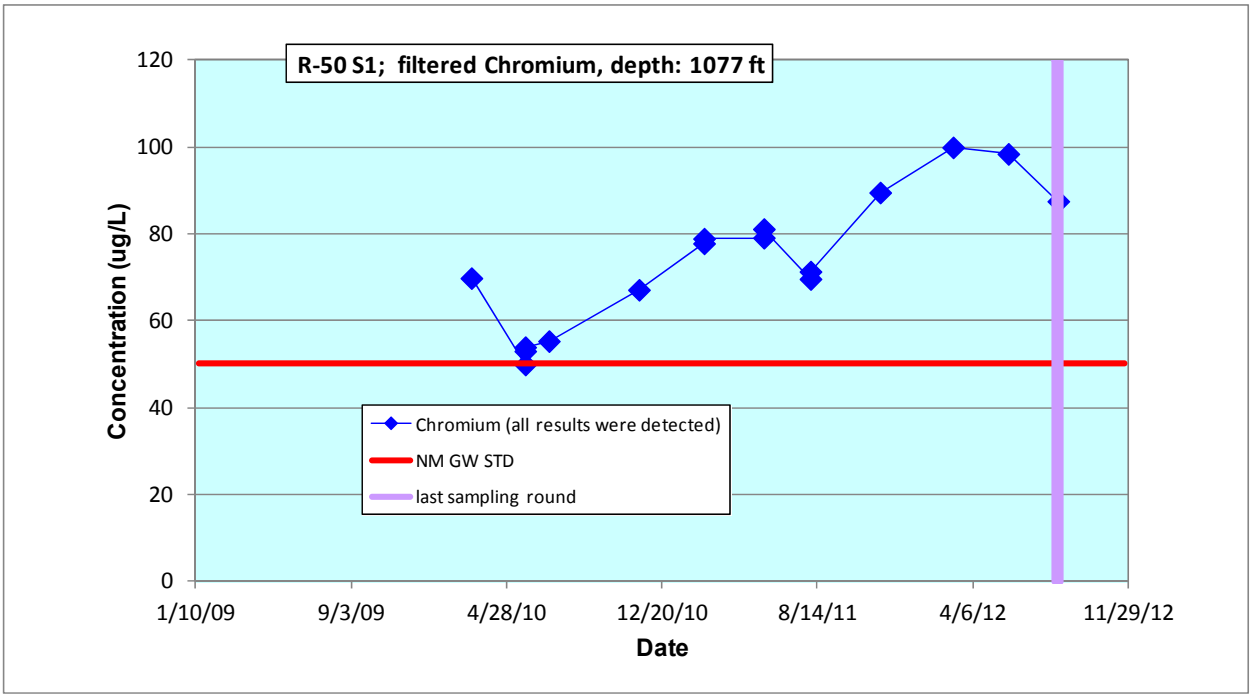

MCOI-6; unfiltered Dioxane[1,4-], depth: 686 ft
Concentration (ug/L)
25
20
15
10
5
0
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Dioxane[1,4-] (detected)
Dioxane[1,4-] (undetected)
EPA TAP SCRN LVL
last sampling round

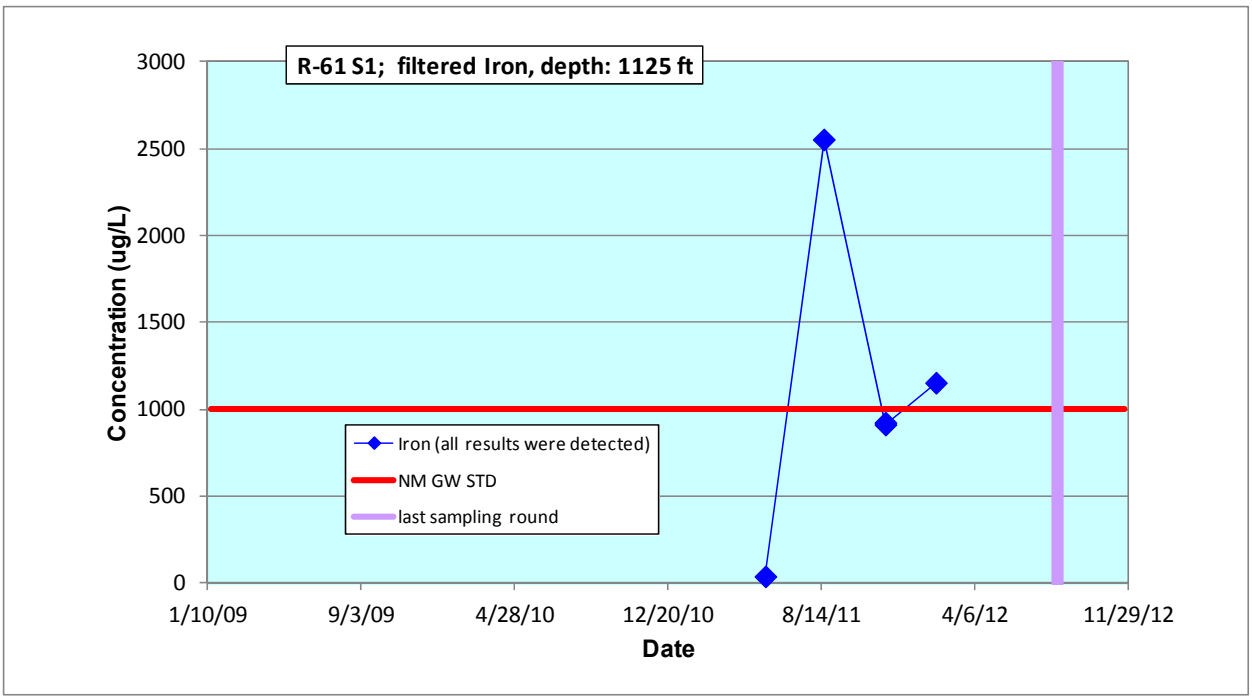

MCOI-6; filtered Perchlorate, depth: 686 ft
Concentration (ug/L)
120
100
80
60
40
20
0
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

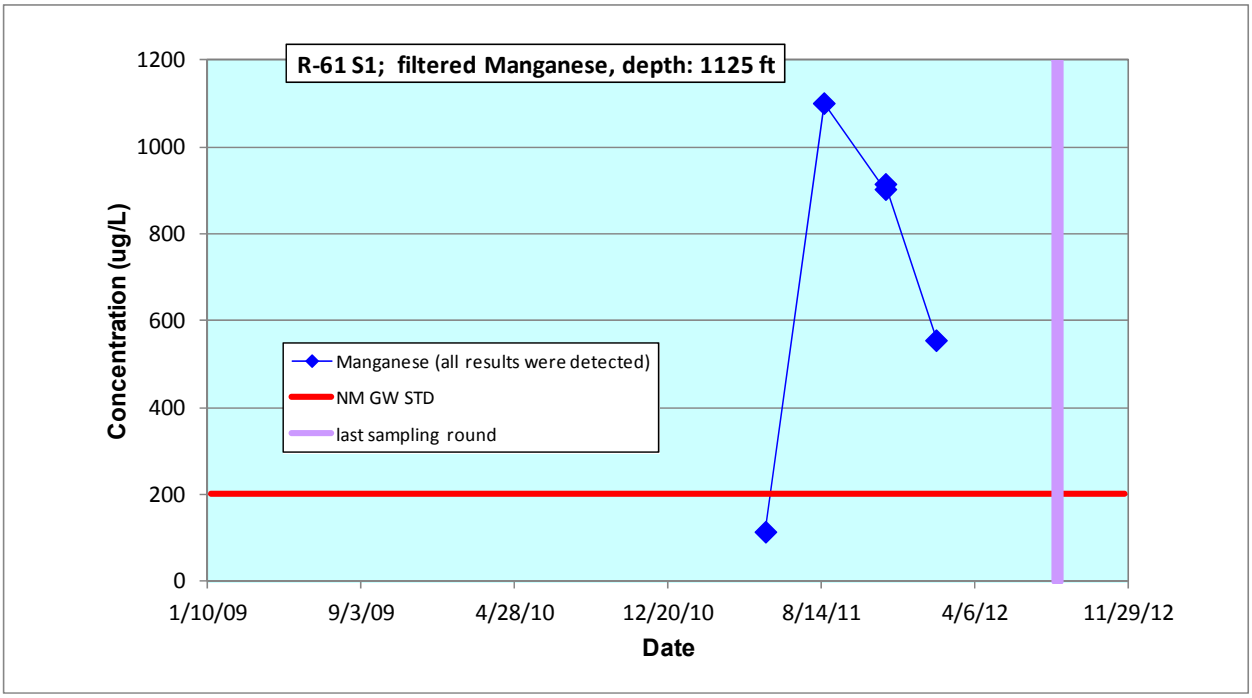

R-15; filtered Perchlorate, depth: 958.6 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

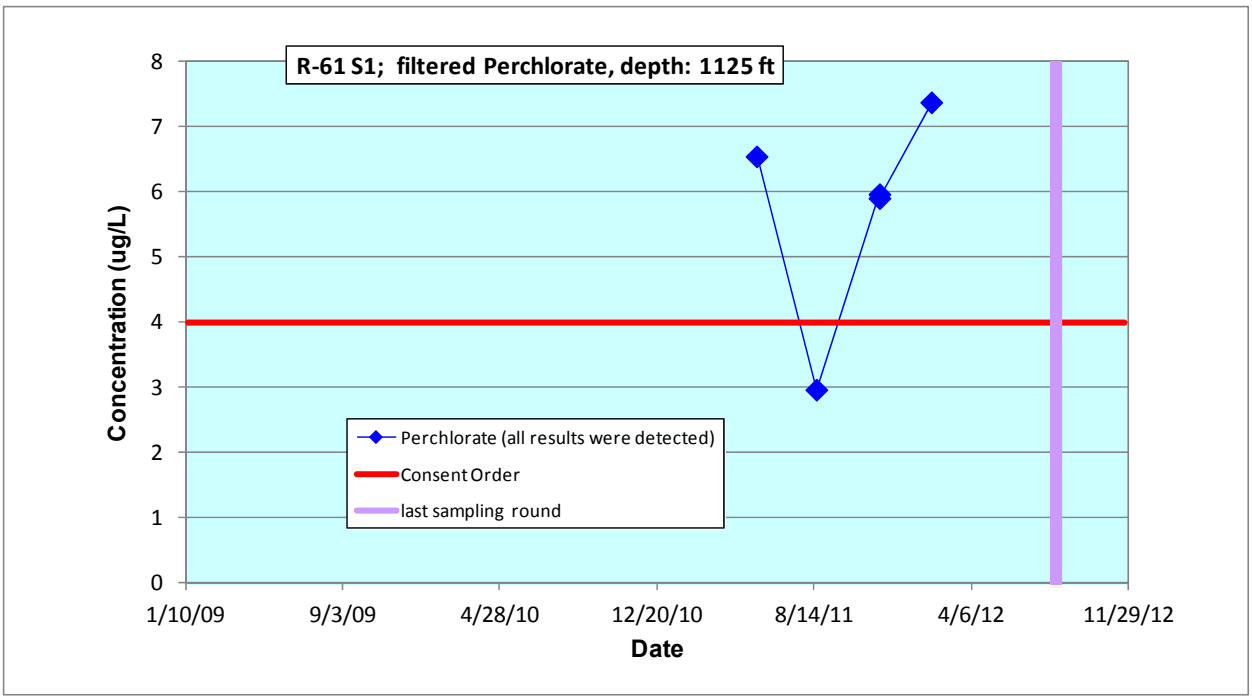

R-28; filtered Chromium, depth: 934.3 ft
Concentration (ug/L)
0
50
100
150
200
250
300
350
400
450
500
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Chromium (all results were detected)
NM GW STD
last sampling round

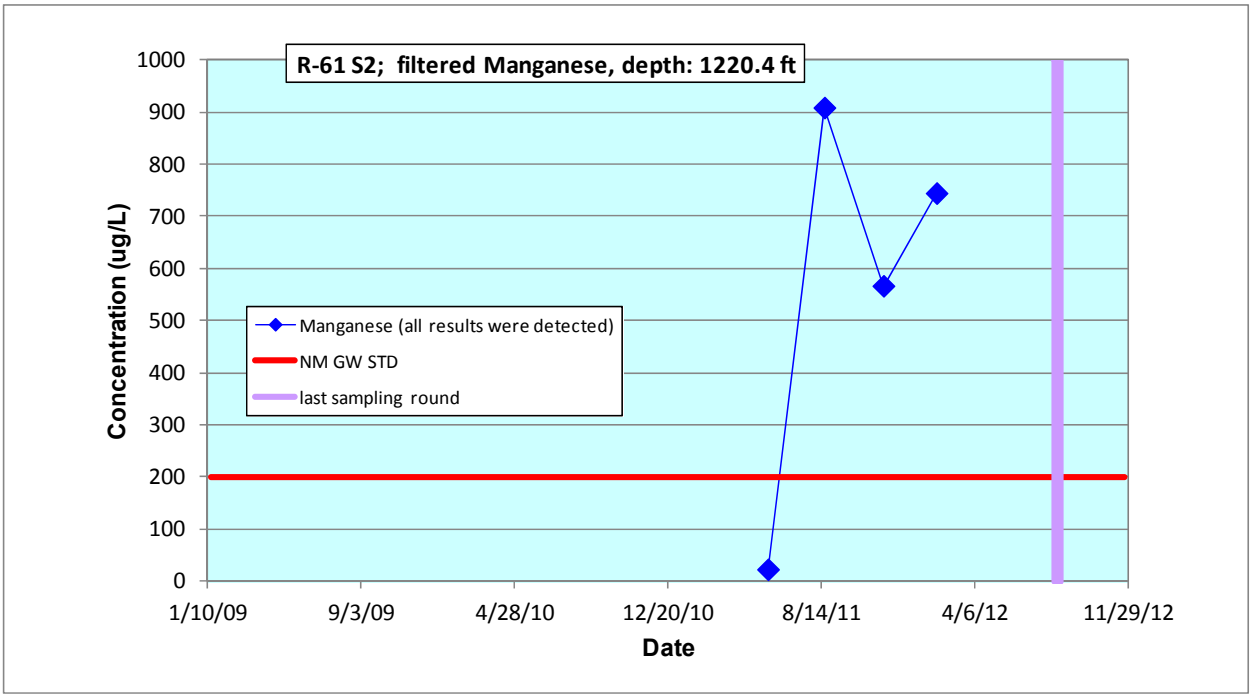

R-42; filtered Chromium, depth: 931.8 ft
Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Chromium (all results were detected)
NM GW STD
last sampling round

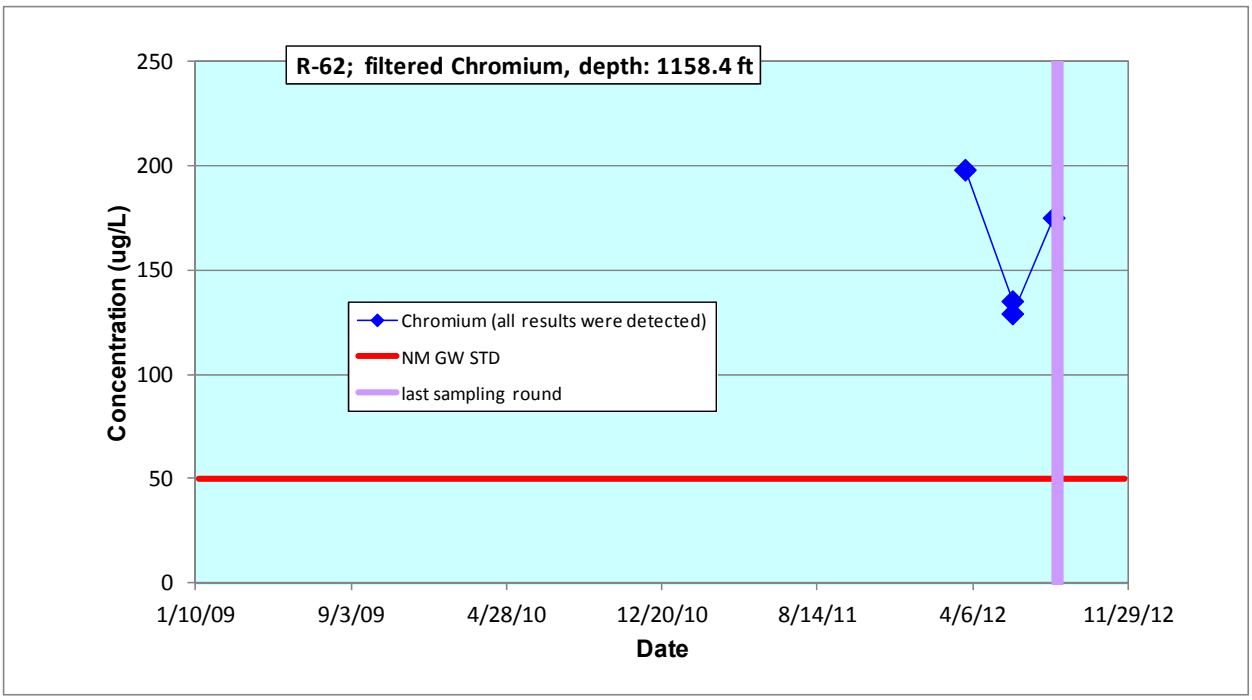

R-50 S1; filtered Chromium, depth: 1077 ft
Concentration (ug/L)
120
100
80
60
40
20
0
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Chromium (all results were detected)
NM GW STD
last sampling round

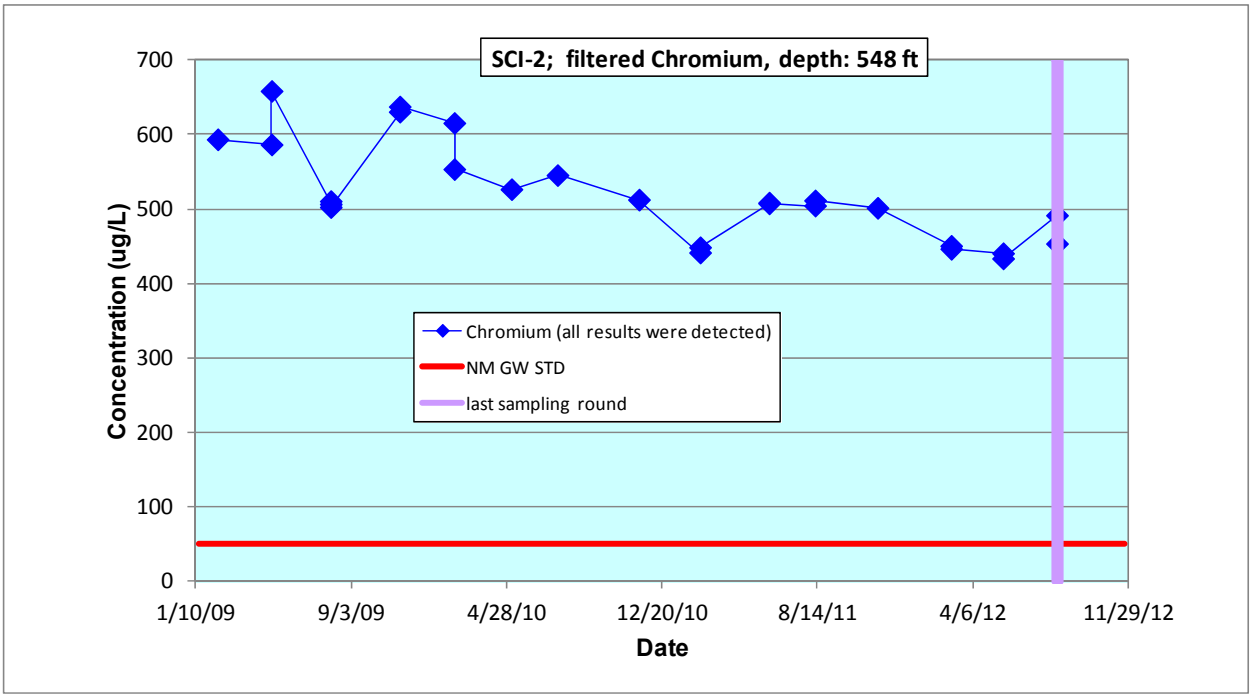

R-61 S1; filtered Iron, depth: 1125 ft
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Iron (all results were detected)
NM GW STD
last sampling round


R-61 S1; filtered Manganese, depth: 1125 ft
Concentration (ug/L)
1200
1000
800
600
400
200
0
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Manganese (all results were detected)
NM GW STD
last sampling round


R-61 S1; filtered Perchlorate, depth: 1125 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round


R-61 S2; filtered Manganese, depth: 1220.4 ft
Concentration (ug/L)
0
100
200
300
400
500
600
700
800
900
1000
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date
Manganese (all results were detected)
NM GW STD
last sampling round


R-62; filtered Chromium, depth: 1158.4 ft
Concentration (ug/L)
250
200
150
100
50
0
Chromium (all results were detected)
NM GW STD
last sampling round
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date


SCI-2; filtered Chromium, depth: 548 ft
Concentration (ug/L)
700
600
500
400
300
200
100
0
Chromium (all results were detected)
NM GW STD
last sampling round
1/10/09
9/3/09
4/28/10
12/20/10
8/14/11
4/6/12
11/29/12
Date

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
12-1481	INORGANIC	GELC[a]	CAMO-12-21735	08/08/12	R-28	934.3	958.1
12-1481	INORGANIC	GELC	CAMO-12-21736	08/08/12	R-42	931.8	952.9
12-1481	INORGANIC	GELC	CAMO-12-21743	08/08/12	R-28	934.3	958.1
12-1481	INORGANIC	GELC	CAMO-12-21744	08/08/12	R-42	931.8	952.9
12-1481	RAD[b]	GELC	CAMO-12-21735	08/08/12	R-28	934.3	958.1
12-1481	RAD	GELC	CAMO-12-21736	08/08/12	R-42	931.8	952.9
12-1482	INORGANIC	GELC	CAMO-12-21741	08/08/12	R-62	1158.4	1179.1
12-1482	INORGANIC	GELC	CAMO-12-21749	08/08/12	R-62	1158.4	1179.1
12-1482	ORGANIC	GELC	CAMO-12-21741	08/08/12	R-62	1158.4	1179.1
12-1482	RAD	GELC	CAMO-12-21741	08/08/12	R-62	1158.4	1179.1
12-1495	INORGANIC	GELC	CASA-12-21645	08/13/12	R-43 S2	969.1	979.1
12-1495	INORGANIC	GELC	CASA-12-21646	08/13/12	SCI-2	548	568
12-1495	INORGANIC	GELC	CASA-12-21649	08/13/12	R-43 S2	969.1	979.1
12-1495	INORGANIC	GELC	CASA-12-21650	08/13/12	SCI-2	548	568
12-1495	INORGANIC	GELC	CASA-12-22309	08/13/12	SCI-2	548	568
12-1495	INORGANIC	GELC	CASA-12-22310	08/13/12	SCI-2	548	568
12-1495	RAD	GELC	CASA-12-21645	08/13/12	R-43 S2	969.1	979.1
12-1496	INORGANIC	GELC	CASA-12-21644	08/14/12	R-43 S1	903.9	924.6
12-1496	INORGANIC	GELC	CASA-12-21648	08/14/12	R-43 S1	903.9	924.6
12-1496	RAD	GELC	CASA-12-21644	08/14/12	R-43 S1	903.9	924.6
12-1497	RAD	ARSL[c]	CAMO-12-21741	08/08/12	R-62	1158.4	1179.1
12-1503	INORGANIC	GELC	CAMO-12-21737	08/15/12	R-50 S1	1077	1087
12-1503	INORGANIC	GELC	CAMO-12-21745	08/15/12	R-50 S1	1077	1087
12-1503	RAD	GELC	CAMO-12-21737	08/15/12	R-50 S1	1077	1087
12-1506	INORGANIC	GELC	CAMO-12-21738	08/16/12	R-50 S2	1185	1205.6
12-1506	INORGANIC	GELC	CAMO-12-21746	08/16/12	R-50 S2	1185	1205.6
12-1506	RAD	GELC	CAMO-12-21738	08/16/12	R-50 S2	1185	1205.6
12-1506-1	INORGANIC	GELC	CAMO-12-21746	08/16/12	R-50 S2	1185	1205.6
12-1508	INORGANIC	GELC	CASA-12-21643	08/17/12	R-11	855	877.9
12-1508	INORGANIC	GELC	CASA-12-21647	08/17/12	R-11	855	877.9
12-1508	RAD	GELC	CASA-12-21643	08/17/12	R-11	855	877.9
12-1509	INORGANIC	GELC	CAMO-12-21734	08/17/12	MCOI-6	686	708.3
12-1509	INORGANIC	GELC	CAMO-12-21742	08/17/12	MCOI-6	686	708.3

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

[b] RAD = Radiochemistry (not gamma).

[c] ARSL = American Radiation Services, Inc.