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Periodic Monitoring Report for Chromium Investigation Monitoring Group, March 5–March 13, 2012

Prepared by the Environmental Programs Directorate

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EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the fiscal year 2012, second quarter, periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Chromium Investigation monitoring group. This PME was conducted pursuant to the 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 March 5 to March 13, 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; 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 Chromium Investigation monitoring group PME monitoring locations are reported in this PMR. Eleven results from groundwater samples collected during this PME from the Chromium Investigation monitoring group were above applicable screening levels.

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Acronyms and Abbreviations

AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations (U.S.)
cfs	cubic feet per second
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
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
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

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of fiscal year 2012, second 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 March 5 to March 13, 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 are from Mortandad Canyon sources, particularly historical releases from the RLWTF outfall. 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 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://eprr.lanl.gov/oppie/service. 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, 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.

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.

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. The concentration of the analyte is 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.

Figures 4.2-1 through 4.2-3 show concentrations at all locations from the current PME for analytes that exceed their screening level at more than one sampling location. For example, filtered chromium was above the NMWQCC groundwater standard screening level at more than one well, so all available chromium values from the current PME are shown in addition to the screening-level exceedances, which are displayed in yellow boxes.

4.2.1 Surface Water (Base Flow)

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

4.2.2 Groundwater

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

The perchlorate concentration for intermediate groundwater well MCOI-6 was 64.3 µg/L, above the Consent Order screening level of 4 µg/L. The results in MCOI-6 have fallen from 160 µg/L in late 2007; the measurement from this PME is among the lowest.

In MCOI-6 the filtered chromium concentration of 59.6 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.

For the current PME, the filtered chromium result of 450 µg/L (the field duplicate result was 446 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 446 µg/L to 658 µg/L; the field duplicate result from this PME is the lowest.

The perchlorate concentration at the 1125-ft screen 1 of regional well R-61 was 7.37 µg/L, above the Consent Order screening level of 4 µg/L. Results from three earlier sampling events ranged from 2.96 µg/L to 6.54 µg/L; the result from the current PME is the highest.

In regional well R-28 the filtered chromium concentration was 336 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 969 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 99.8 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. This is the highest concentration measured at this screen. Values for earlier sampling events range from 49.8 µg/L to 89.4 µg/L.

The filtered chromium concentration from regional aquifer well R-62 was 198 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. This is the first sample at this well.

The filtered manganese concentrations from both screens of regional aquifer well R-61 were above the 200-µg/L NMWQCC groundwater standard screening level (applicable to domestic water supply). The filtered iron concentration from screen 1 was above the1000-µg/L NMWQCC groundwater standard screening level (applicable to domestic water supply). The iron and manganese concentrations at the 1125-ft screen 1 were 1150 µg/L and 554 µg/L, respectively. At the 1220.4-ft screen 2, the manganese concentration was 744 µg/L. This is the fourth sample from the well. The iron and manganese concentrations at screen 1 range from 35.3 µg/L to 2550 µg/L and 113 µg/L to 1100 µg/L, respectively. For screen 2, iron and manganese concentrations range from <100 µg/L to 5590 µg/L and 22.2 µg/L to 908 µg/L, respectively.

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 and therefore data acquired from the wells may not be representative of aquifer conditions. Both wells must be assessed for their ability to produce representative samples, and further well development or replacement may be necessary for one or both wells. 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 is deferred until the redevelopment is complete. Data from the initial rounds of samples at R-62 are currently being evaluated because of observations of potentially slightly low concentrations of dissolved oxygen during well purging. Extended purging has been conducted at R-62, and the results of those purge events are being evaluated. Otherwise, no modifications to the periodic monitoring sampling for the monitoring group are proposed at this time.

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. Eleven results from groundwater samples collected during this PME were above screening levels (Table 4.2-2).

For results above screening levels, except for the highest perchlorate concentration at R-61 screen 1, the highest filtered chromium concentration at R-50 S1, and the first filtered chromium sample at R-62, 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 number. This information is also included in text citations. ER ID numbers 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)

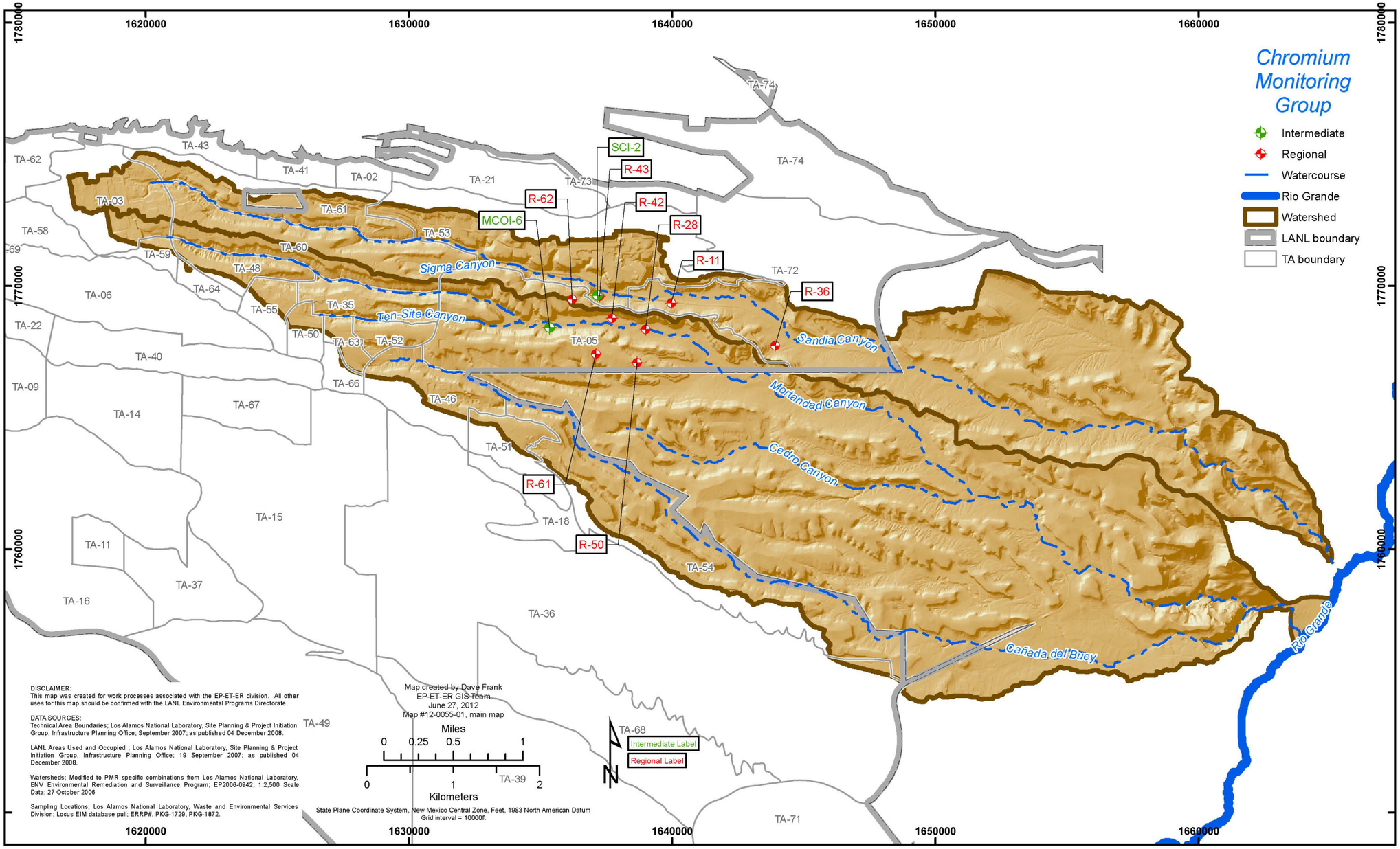


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Table 3.4-1).

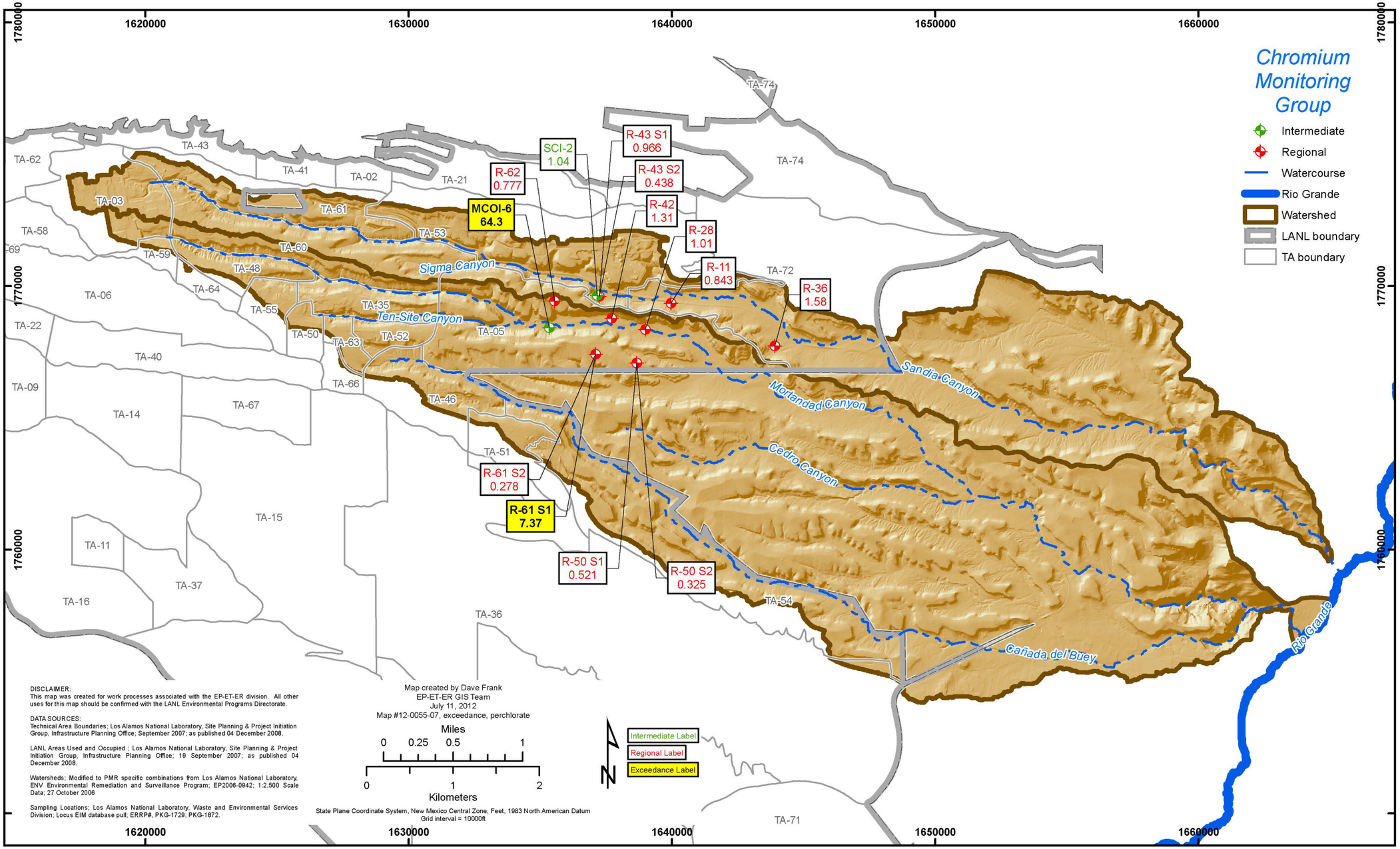


Figure 4.2-1 Monitoring group filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L.

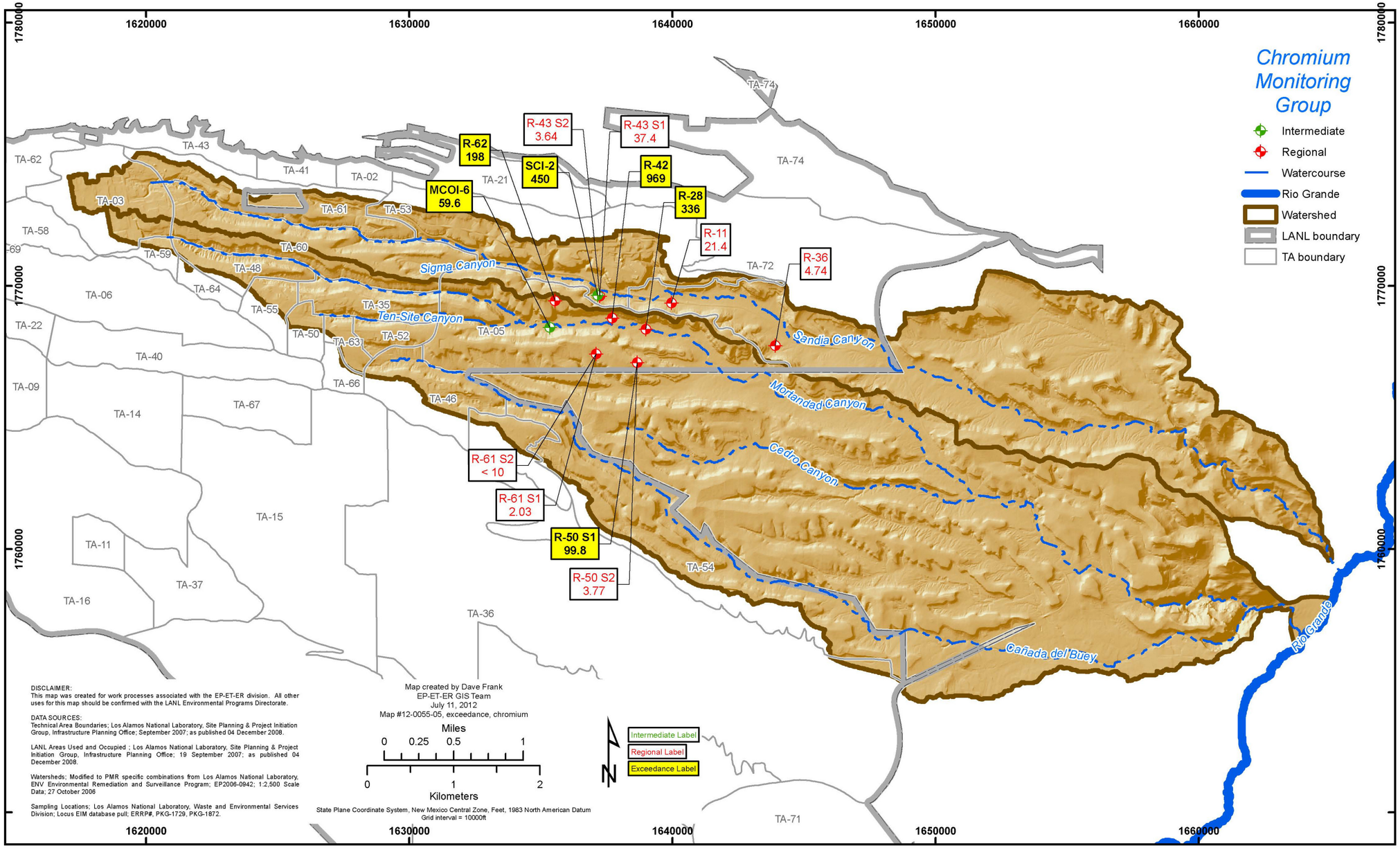


Figure 4.2-2 Monitoring group filtered chromium concentrations in µg/L. The NMWQCC groundwater standard screening level is 50 µg/L.

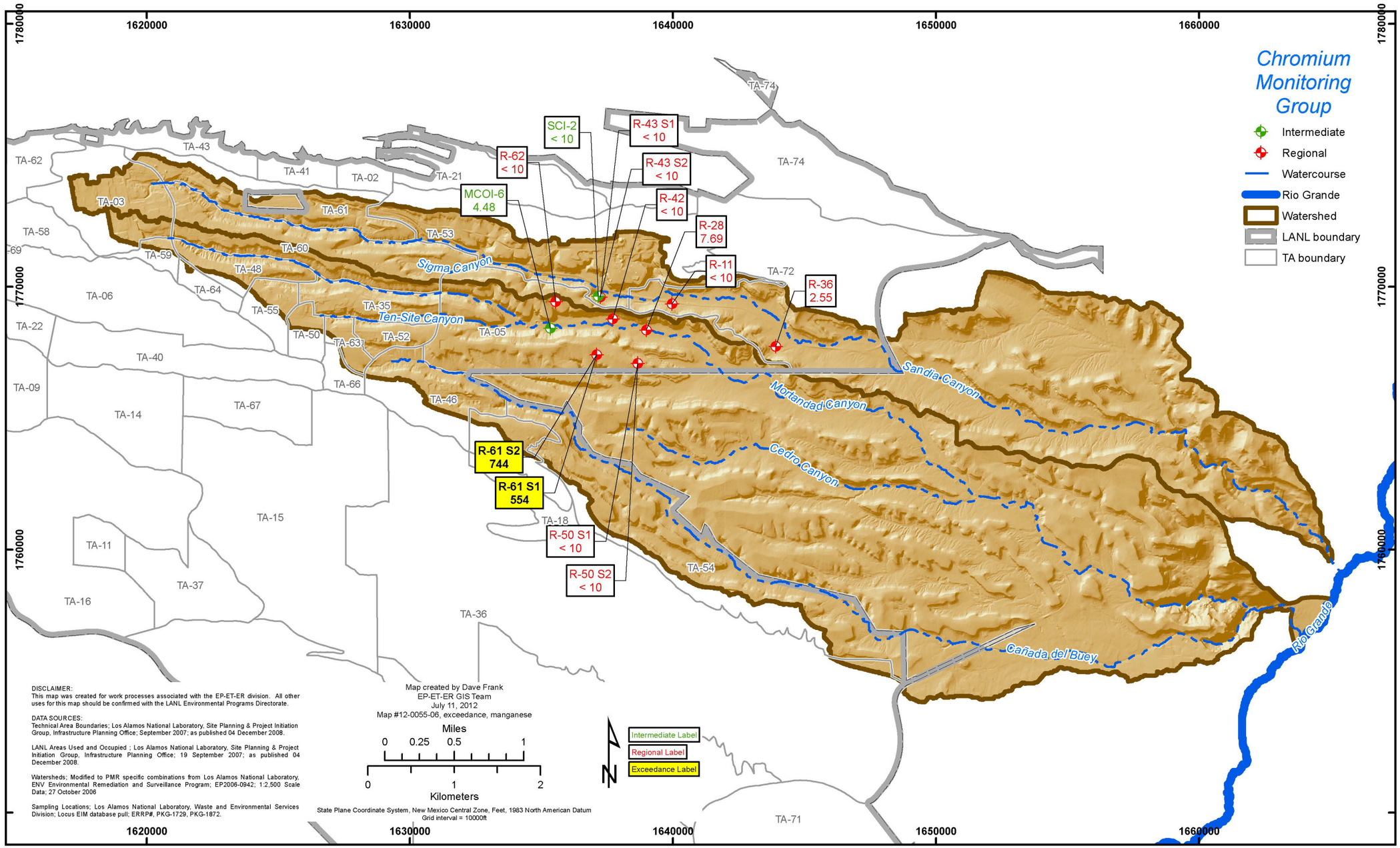


Figure 4.2-3 Monitoring group filtered manganese concentrations in µg/L. The NMWQCC groundwater standard screening level is 200 µg/L.

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 cfs*
MCOI-6	03/05/12	22.3	686	708.3	46.3	140	0.0031
SCI-2	03/05/12	20	548	568	6.98	21	0.0011
R-11	03/07/12	22.9	855	877.9	52.8	194	0.0067
R-28	03/13/12	23.8	934.3	958.1	72.8	221	0.0084
R-36	03/08/12	23	766.9	789.9	42.0	129	0.0074
R-42	03/09/12	21.1	931.8	952.9	53	162	0.004
R-43 S1	03/09/12	20.7	903.9	924.6	66.7	200	0.0029
R-43 S2	03/12/12	10	969.1	979.1	25.5	77	0.0028
R-50 S1	03/08/12	10	1077	1087	51.3	156	0.0054
R-50 S2	03/07/12	20.59	1185	1205.6	96.5	290	0.0029
R-61 S1	02/07/12	10	1125	1135	61.73	1178	0.0045
R-61 S2	02/08/12	20.59	1220.4	1241	86.3	1214.1	0.0047
R-62	03/26/12	20.7	1158.4	1179.1	47.5	143	0.0094

*cfs = Cubic feet per second.

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

Location	Deviation	Cause	Comment
R-61 S1	Data was collected outside the 21-day sample collection window.	This location was sampled on 02/07/12, before the PME.	NMED approved sampling R-61 outside the 21-day window to acquire data for the redevelopment work plan.
R-61 S2	Data was collected outside the 21-day sample collection window.	This location was sampled on 02/07/12, before the PME.	NMED approved sampling R-61 outside the 21-day window to acquire data for the redevelopment work plan.
R-62	Data was collected outside the 21-day sample collection window.	Pump repairs delayed sampling.	Because of pump repairs, sampled on 03/26/12 (day 22) with NMED approval
R-36	Sampling was not required during this PME.	Resampled because of high nitrate in 11/15/11 sample	Resampled because of high nitrate in earlier sample

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 3.4-3 (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	03/05/12	Perchlorate	F*	64.3	µg/L	4	Consent Order
MCOI-6	03/05/12	Chromium	F	59.6	µg/L	50	NMWQCC Groundwater Standard
SCI-2	03/05/12	Chromium	F	450	µg/L	50	NMWQCC Groundwater Standard
Regional Groundwater							
R-61 S1	02/07/12	Perchlorate	F	7.37	µg/L	4	Consent Order
R-28	03/13/12	Chromium	F	336	µg/L	50	NMWQCC Groundwater Standard
R-42	03/09/12	Chromium	F	969	µg/L	50	NMWQCC Groundwater Standard
R-50 S1	03/08/12	Chromium	F	99.8	µg/L	50	NMWQCC Groundwater Standard
R-62	03/26/12	Chromium	F	198	µg/L	50	NMWQCC Groundwater Standard
R-61 S1	02/07/12	Iron	F	1150	µg/L	1000	NMWQCC Groundwater Standard
R-61 S1	02/07/12	Manganese	F	554	µg/L	200	NMWQCC Groundwater Standard
R-61 S2	02/08/12	Manganese	F	744	µg/L	200	NMWQCC Groundwater Standard

* F = Filtered.

Appendix A

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

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	708.3	03/05/12	WG[a]	Dissolved Oxygen	7.1	mg/L	CAMO-12-12017
MCOI-6	686	708.3	03/05/12	WG	Dissolved Oxygen	7.1	mg/L	CAMO-12-12026
MCOI-6	686	708.3	11/09/11	WG	Dissolved Oxygen	6.65	mg/L	CAMO-12-1468
MCOI-6	686	708.3	08/10/11	WG	Dissolved Oxygen	6.86	mg/L	CAMO-11-24630
MCOI-6	686	708.3	05/31/11	WG	Dissolved Oxygen	6.9	mg/L	CAMO-11-10700
MCOI-6	686	708.3	02/09/11	WG	Dissolved Oxygen	7.08	mg/L	CAMO-11-4592
MCOI-6	686	708.3	03/05/12	WG	Oxidation-Reduction Potential	211.6	mV	CAMO-12-12017
MCOI-6	686	708.3	03/05/12	WG	Oxidation-Reduction Potential	211.6	mV	CAMO-12-12026
MCOI-6	686	708.3	11/09/11	WG	Oxidation-Reduction Potential	180.8	mV	CAMO-12-1468
MCOI-6	686	708.3	08/10/11	WG	Oxidation-Reduction Potential	151.2	mV	CAMO-11-24630
MCOI-6	686	708.3	05/31/11	WG	Oxidation-Reduction Potential	207.8	mV	CAMO-11-10700
MCOI-6	686	708.3	02/09/11	WG	Oxidation-Reduction Potential	118.7	mV	CAMO-11-4592
MCOI-6	686	708.3	03/05/12	WG	pH	7.25	SU[b]	CAMO-12-12017
MCOI-6	686	708.3	03/05/12	WG	pH	7.25	SU	CAMO-12-12026
MCOI-6	686	708.3	11/09/11	WG	pH	7.11	SU	CAMO-12-1468
MCOI-6	686	708.3	08/10/11	WG	pH	7.11	SU	CAMO-11-24630
MCOI-6	686	708.3	05/31/11	WG	pH	7.13	SU	CAMO-11-10700
MCOI-6	686	708.3	02/09/11	WG	pH	7.12	SU	CAMO-11-4592
MCOI-6	686	708.3	03/05/12	WG	Specific Conductance	602	µS/cm	CAMO-12-12017
MCOI-6	686	708.3	03/05/12	WG	Specific Conductance	602	µS/cm	CAMO-12-12026
MCOI-6	686	708.3	11/09/11	WG	Specific Conductance	618	µS/cm	CAMO-12-1468
MCOI-6	686	708.3	08/10/11	WG	Specific Conductance	650	µS/cm	CAMO-11-24630
MCOI-6	686	708.3	05/31/11	WG	Specific Conductance	621	µS/cm	CAMO-11-10700
MCOI-6	686	708.3	02/09/11	WG	Specific Conductance	616	µS/cm	CAMO-11-4592
MCOI-6	686	708.3	03/05/12	WG	Temperature	15.62	deg C	CAMO-12-12017
MCOI-6	686	708.3	03/05/12	WG	Temperature	15.62	deg C	CAMO-12-12026
MCOI-6	686	708.3	11/09/11	WG	Temperature	14.42	deg C	CAMO-12-1468

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	708.3	08/10/11	WG	Temperature	16.69	deg C	CAMO-11-24630
MCOI-6	686	708.3	05/31/11	WG	Temperature	16.17	deg C	CAMO-11-10700
MCOI-6	686	708.3	02/09/11	WG	Temperature	14.28	deg C	CAMO-11-4592
MCOI-6	686	708.3	03/05/12	WG	Turbidity	0.54	NTU[c]	CAMO-12-12017
MCOI-6	686	708.3	03/05/12	WG	Turbidity	0.54	NTU	CAMO-12-12026
MCOI-6	686	708.3	11/09/11	WG	Turbidity	0.79	NTU	CAMO-12-1468
MCOI-6	686	708.3	08/10/11	WG	Turbidity	0.39	NTU	CAMO-11-24630
MCOI-6	686	708.3	05/31/11	WG	Turbidity	0.58	NTU	CAMO-11-10700
MCOI-6	686	708.3	02/09/11	WG	Turbidity	0.74	NTU	CAMO-11-4592
R-11	855	877.9	03/07/12	WG	Dissolved Oxygen	7.36	mg/L	CASA-12-11709
R-11	855	877.9	11/16/11	WG	Dissolved Oxygen	7.58	mg/L	CASA-12-1379
R-11	855	877.9	08/12/11	WG	Dissolved Oxygen	7.54	mg/L	CASA-11-24778
R-11	855	877.9	05/23/11	WG	Dissolved Oxygen	7.48	mg/L	CASA-11-10811
R-11	855	877.9	02/25/11	WG	Dissolved Oxygen	7.58	mg/L	CASA-11-4560
R-11	855	877.9	03/07/12	WG	Oxidation-Reduction Potential	131.7	mV	CASA-12-11709
R-11	855	877.9	11/16/11	WG	Oxidation-Reduction Potential	168.7	mV	CASA-12-1379
R-11	855	877.9	08/12/11	WG	Oxidation-Reduction Potential	213.3	mV	CASA-11-24778
R-11	855	877.9	05/23/11	WG	Oxidation-Reduction Potential	188.7	mV	CASA-11-10811
R-11	855	877.9	02/25/11	WG	Oxidation-Reduction Potential	204.4	mV	CASA-11-4560
R-11	855	877.9	03/07/12	WG	pH	7.97	SU	CASA-12-11709
R-11	855	877.9	11/16/11	WG	pH	7.99	SU	CASA-12-1379
R-11	855	877.9	08/12/11	WG	pH	7.98	SU	CASA-11-24778
R-11	855	877.9	05/23/11	WG	pH	7.91	SU	CASA-11-10811
R-11	855	877.9	02/25/11	WG	pH	7.97	SU	CASA-11-4560
R-11	855	877.9	03/07/12	WG	Specific Conductance	223	µS/cm	CASA-12-11709
R-11	855	877.9	11/16/11	WG	Specific Conductance	224	µS/cm	CASA-12-1379
R-11	855	877.9	08/12/11	WG	Specific Conductance	224	µS/cm	CASA-11-24778

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-11	855	877.9	05/23/11	WG	Specific Conductance	222	µS/cm	CASA-11-10811
R-11	855	877.9	02/25/11	WG	Specific Conductance	231	µS/cm	CASA-11-4560
R-11	855	877.9	03/07/12	WG	Temperature	20.59	deg C	CASA-12-11709
R-11	855	877.9	11/16/11	WG	Temperature	21.21	deg C	CASA-12-1379
R-11	855	877.9	08/12/11	WG	Temperature	21.99	deg C	CASA-11-24778
R-11	855	877.9	05/23/11	WG	Temperature	21.96	deg C	CASA-11-10811
R-11	855	877.9	02/25/11	WG	Temperature	21.31	deg C	CASA-11-4560
R-11	855	877.9	03/07/12	WG	Turbidity	0.46	NTU	CASA-12-11709
R-11	855	877.9	11/16/11	WG	Turbidity	0.24	NTU	CASA-12-1379
R-11	855	877.9	08/12/11	WG	Turbidity	0.42	NTU	CASA-11-24778
R-11	855	877.9	05/23/11	WG	Turbidity	0.22	NTU	CASA-11-10811
R-11	855	877.9	02/25/11	WG	Turbidity	0	NTU	CASA-11-4560
R-28	934.3	958.1	03/13/12	WG	Dissolved Oxygen	6.58	mg/L	CAMO-12-12018
R-28	934.3	958.1	11/15/11	WG	Dissolved Oxygen	6.73	mg/L	CAMO-12-1486
R-28	934.3	958.1	08/02/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-24637
R-28	934.3	958.1	06/01/11	WG	Dissolved Oxygen	6.56	mg/L	CAMO-11-10705
R-28	934.3	958.1	03/13/12	WG	Oxidation-Reduction Potential	98.7	mV	CAMO-12-12018
R-28	934.3	958.1	11/15/11	WG	Oxidation-Reduction Potential	95.4	mV	CAMO-12-1486
R-28	934.3	958.1	08/02/11	WG	Oxidation-Reduction Potential	116.1	mV	CAMO-11-24637
R-28	934.3	958.1	06/01/11	WG	Oxidation-Reduction Potential	169	mV	CAMO-11-10705
R-28	934.3	958.1	02/14/11	WG	Oxidation-Reduction Potential	133	mV	CAMO-11-4598
R-28	934.3	958.1	03/13/12	WG	pH	7.49	SU	CAMO-12-12018
R-28	934.3	958.1	11/15/11	WG	pH	7.8	SU	CAMO-12-1486
R-28	934.3	958.1	08/02/11	WG	pH	7.74	SU	CAMO-11-24637
R-28	934.3	958.1	06/01/11	WG	pH	7.78	SU	CAMO-11-10705
R-28	934.3	958.1	03/13/12	WG	Specific Conductance	436	µS/cm	CAMO-12-12018
R-28	934.3	958.1	11/15/11	WG	Specific Conductance	417	µS/cm	CAMO-12-1486

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-28	934.3	958.1	08/02/11	WG	Specific Conductance	424	µS/cm	CAMO-11-24637
R-28	934.3	958.1	06/01/11	WG	Specific Conductance	423	µS/cm	CAMO-11-10705
R-28	934.3	958.1	02/14/11	WG	Specific Conductance	402	µS/cm	CAMO-11-4598
R-28	934.3	958.1	03/13/12	WG	Temperature	20.66	deg C	CAMO-12-12018
R-28	934.3	958.1	11/15/11	WG	Temperature	20.22	deg C	CAMO-12-1486
R-28	934.3	958.1	08/02/11	WG	Temperature	21.22	deg C	CAMO-11-24637
R-28	934.3	958.1	06/01/11	WG	Temperature	22	deg C	CAMO-11-10705
R-28	934.3	958.1	02/14/11	WG	Temperature	20.68	deg C	CAMO-11-4598
R-28	934.3	958.1	03/13/12	WG	Turbidity	5.2	NTU	CAMO-12-12018
R-28	934.3	958.1	11/15/11	WG	Turbidity	0.53	NTU	CAMO-12-1486
R-28	934.3	958.1	08/02/11	WG	Turbidity	0.29	NTU	CAMO-11-24637
R-28	934.3	958.1	06/01/11	WG	Turbidity	0.61	NTU	CAMO-11-10705
R-28	934.3	958.1	02/14/11	WG	Turbidity	0.28	NTU	CAMO-11-4598
R-36	766.9	789.9	03/08/12	WG	Dissolved Oxygen	6.14	mg/L	CASA-12-12037
R-36	766.9	789.9	11/16/11	WG	Dissolved Oxygen	6.22	mg/L	CASA-12-1388
R-36	766.9	789.9	08/15/11	WG	Dissolved Oxygen	6.16	mg/L	CASA-11-24789
R-36	766.9	789.9	06/02/11	WG	Dissolved Oxygen	6.15	mg/L	CASA-11-10816
R-36	766.9	789.9	02/25/11	WG	Dissolved Oxygen	6.31	mg/L	CASA-11-4565
R-36	766.9	789.9	03/08/12	WG	Oxidation-Reduction Potential	167.6	mV	CASA-12-12037
R-36	766.9	789.9	11/16/11	WG	Oxidation-Reduction Potential	165	mV	CASA-12-1388
R-36	766.9	789.9	08/15/11	WG	Oxidation-Reduction Potential	175.7	mV	CASA-11-24789
R-36	766.9	789.9	06/02/11	WG	Oxidation-Reduction Potential	207.9	mV	CASA-11-10816
R-36	766.9	789.9	02/25/11	WG	Oxidation-Reduction Potential	180.9	mV	CASA-11-4565
R-36	766.9	789.9	03/08/12	WG	pH	7.32	SU	CASA-12-12037
R-36	766.9	789.9	11/16/11	WG	pH	7.37	SU	CASA-12-1388
R-36	766.9	789.9	08/15/11	WG	pH	7.37	SU	CASA-11-24789
R-36	766.9	789.9	06/02/11	WG	pH	7.37	SU	CASA-11-10816

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-36	766.9	789.9	02/25/11	WG	pH	7.37	SU	CASA-11-4565
R-36	766.9	789.9	11/16/11	WG	Specific Conductance	194	µS/cm	CASA-12-1388
R-36	766.9	789.9	08/15/11	WG	Specific Conductance	195	µS/cm	CASA-11-24789
R-36	766.9	789.9	06/02/11	WG	Specific Conductance	192	µS/cm	CASA-11-10816
R-36	766.9	789.9	02/25/11	WG	Specific Conductance	197	µS/cm	CASA-11-4565
R-36	766.9	789.9	03/08/12	WG	Temperature	19.28	deg C	CASA-12-12037
R-36	766.9	789.9	11/16/11	WG	Temperature	20.45	deg C	CASA-12-1388
R-36	766.9	789.9	08/15/11	WG	Temperature	21.02	deg C	CASA-11-24789
R-36	766.9	789.9	06/02/11	WG	Temperature	21.31	deg C	CASA-11-10816
R-36	766.9	789.9	02/25/11	WG	Temperature	20.7	deg C	CASA-11-4565
R-36	766.9	789.9	03/08/12	WG	Turbidity	0.8	NTU	CASA-12-12037
R-36	766.9	789.9	11/16/11	WG	Turbidity	1	NTU	CASA-12-1388
R-36	766.9	789.9	08/15/11	WG	Turbidity	0.67	NTU	CASA-11-24789
R-36	766.9	789.9	06/02/11	WG	Turbidity	0.8	NTU	CASA-11-10816
R-36	766.9	789.9	02/25/11	WG	Turbidity	0	NTU	CASA-11-4565
R-42	931.8	952.9	03/09/12	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-12020
R-42	931.8	952.9	03/09/12	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-12029
R-42	931.8	952.9	11/10/11	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-1491
R-42	931.8	952.9	08/02/11	WG	Dissolved Oxygen	6.79	mg/L	CAMO-11-24639
R-42	931.8	952.9	05/31/11	WG	Dissolved Oxygen	6.82	mg/L	CAMO-11-10717
R-42	931.8	952.9	02/18/11	WG	Dissolved Oxygen	6.88	mg/L	CAMO-11-4601
R-42	931.8	952.9	03/09/12	WG	Oxidation-Reduction Potential	6.4	mV	CAMO-12-12020
R-42	931.8	952.9	03/09/12	WG	Oxidation-Reduction Potential	6.4	mV	CAMO-12-12029
R-42	931.8	952.9	11/10/11	WG	Oxidation-Reduction Potential	193	mV	CAMO-12-1491
R-42	931.8	952.9	08/02/11	WG	Oxidation-Reduction Potential	81.7	mV	CAMO-11-24639
R-42	931.8	952.9	05/31/11	WG	Oxidation-Reduction Potential	249.8	mV	CAMO-11-10717
R-42	931.8	952.9	02/18/11	WG	Oxidation-Reduction Potential	213.6	mV	CAMO-11-4601

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-42	931.8	952.9	03/09/12	WG	pH	7.49	SU	CAMO-12-12020
R-42	931.8	952.9	03/09/12	WG	pH	7.49	SU	CAMO-12-12029
R-42	931.8	952.9	11/10/11	WG	pH	7.38	SU	CAMO-12-1491
R-42	931.8	952.9	08/02/11	WG	pH	7.54	SU	CAMO-11-24639
R-42	931.8	952.9	05/31/11	WG	pH	7.47	SU	CAMO-11-10717
R-42	931.8	952.9	02/18/11	WG	pH	7.5	SU	CAMO-11-4601
R-42	931.8	952.9	03/09/12	WG	Specific Conductance	483	µS/cm	CAMO-12-12020
R-42	931.8	952.9	03/09/12	WG	Specific Conductance	483	µS/cm	CAMO-12-12029
R-42	931.8	952.9	11/10/11	WG	Specific Conductance	486	µS/cm	CAMO-12-1491
R-42	931.8	952.9	08/02/11	WG	Specific Conductance	486	µS/cm	CAMO-11-24639
R-42	931.8	952.9	05/31/11	WG	Specific Conductance	481	µS/cm	CAMO-11-10717
R-42	931.8	952.9	02/18/11	WG	Specific Conductance	428	µS/cm	CAMO-11-4601
R-42	931.8	952.9	03/09/12	WG	Temperature	18.42	deg C	CAMO-12-12020
R-42	931.8	952.9	03/09/12	WG	Temperature	18.42	deg C	CAMO-12-12029
R-42	931.8	952.9	11/10/11	WG	Temperature	18.76	deg C	CAMO-12-1491
R-42	931.8	952.9	08/02/11	WG	Temperature	20.43	deg C	CAMO-11-24639
R-42	931.8	952.9	05/31/11	WG	Temperature	20.41	deg C	CAMO-11-10717
R-42	931.8	952.9	02/18/11	WG	Temperature	18.19	deg C	CAMO-11-4601
R-42	931.8	952.9	03/09/12	WG	Turbidity	0.84	NTU	CAMO-12-12020
R-42	931.8	952.9	03/09/12	WG	Turbidity	0.84	NTU	CAMO-12-12029
R-42	931.8	952.9	11/10/11	WG	Turbidity	0.81	NTU	CAMO-12-1491
R-42	931.8	952.9	08/02/11	WG	Turbidity	1.37	NTU	CAMO-11-24639
R-42	931.8	952.9	05/31/11	WG	Turbidity	0.71	NTU	CAMO-11-10717
R-42	931.8	952.9	02/18/11	WG	Turbidity	1.1	NTU	CAMO-11-4601
R-43 S1	903.9	924.6	03/09/12	WG	Dissolved Oxygen	7.04	mg/L	CASA-12-11710
R-43 S1	903.9	924.6	11/15/11	WG	Dissolved Oxygen	7.06	mg/L	CASA-12-1391
R-43 S1	903.9	924.6	08/16/11	WG	Dissolved Oxygen	7.01	mg/L	CASA-11-24785

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S1	903.9	924.6	05/18/11	WG	Dissolved Oxygen	6.97	mg/L	CASA-11-10818
R-43 S1	903.9	924.6	02/23/11	WG	Dissolved Oxygen	6.86	mg/L	CASA-11-4567
R-43 S1	903.9	924.6	03/09/12	WG	Oxidation-Reduction Potential	151	mV	CASA-12-11710
R-43 S1	903.9	924.6	11/15/11	WG	Oxidation-Reduction Potential	158.5	mV	CASA-12-1391
R-43 S1	903.9	924.6	08/16/11	WG	Oxidation-Reduction Potential	119.2	mV	CASA-11-24785
R-43 S1	903.9	924.6	05/18/11	WG	Oxidation-Reduction Potential	196.6	mV	CASA-11-10818
R-43 S1	903.9	924.6	02/23/11	WG	Oxidation-Reduction Potential	141.3	mV	CASA-11-4567
R-43 S1	903.9	924.6	03/09/12	WG	pH	8.33	SU	CASA-12-11710
R-43 S1	903.9	924.6	11/15/11	WG	pH	8.3	SU	CASA-12-1391
R-43 S1	903.9	924.6	08/16/11	WG	pH	8.27	SU	CASA-11-24785
R-43 S1	903.9	924.6	05/18/11	WG	pH	8.34	SU	CASA-11-10818
R-43 S1	903.9	924.6	02/23/11	WG	pH	8.26	SU	CASA-11-4567
R-43 S1	903.9	924.6	03/09/12	WG	Specific Conductance	177	µS/cm	CASA-12-11710
R-43 S1	903.9	924.6	11/15/11	WG	Specific Conductance	177	µS/cm	CASA-12-1391
R-43 S1	903.9	924.6	08/16/11	WG	Specific Conductance	177	µS/cm	CASA-11-24785
R-43 S1	903.9	924.6	05/18/11	WG	Specific Conductance	175	µS/cm	CASA-11-10818
R-43 S1	903.9	924.6	02/23/11	WG	Specific Conductance	175	µS/cm	CASA-11-4567
R-43 S1	903.9	924.6	03/09/12	WG	Temperature	19.71	deg C	CASA-12-11710
R-43 S1	903.9	924.6	11/15/11	WG	Temperature	20.13	deg C	CASA-12-1391
R-43 S1	903.9	924.6	08/16/11	WG	Temperature	20.94	deg C	CASA-11-24785
R-43 S1	903.9	924.6	05/18/11	WG	Temperature	20.7	deg C	CASA-11-10818
R-43 S1	903.9	924.6	02/23/11	WG	Temperature	20.56	deg C	CASA-11-4567
R-43 S1	903.9	924.6	03/09/12	WG	Turbidity	0.33	NTU	CASA-12-11710
R-43 S1	903.9	924.6	11/15/11	WG	Turbidity	0.34	NTU	CASA-12-1391
R-43 S1	903.9	924.6	08/16/11	WG	Turbidity	0.5	NTU	CASA-11-24785
R-43 S1	903.9	924.6	05/18/11	WG	Turbidity	1.4	NTU	CASA-11-10818
R-43 S1	903.9	924.6	02/23/11	WG	Turbidity	0.28	NTU	CASA-11-4567

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	979.1	03/12/12	WG	Dissolved Oxygen	3.42	mg/L	CASA-12-11715
R-43 S2	969.1	979.1	11/15/11	WG	Dissolved Oxygen	2.93	mg/L	CASA-12-1396
R-43 S2	969.1	979.1	08/16/11	WG	Dissolved Oxygen	1.3	mg/L	CASA-11-24751
R-43 S2	969.1	979.1	08/16/11	WG	Dissolved Oxygen	2.54	mg/L	CASA-11-24753
R-43 S2	969.1	979.1	08/16/11	WG	Dissolved Oxygen	2.65	mg/L	CASA-11-24755
R-43 S2	969.1	979.1	08/16/11	WG	Dissolved Oxygen	2.65	mg/L	CASA-11-24787
R-43 S2	969.1	979.1	05/18/11	WG	Dissolved Oxygen	2.83	mg/L	CASA-11-10820
R-43 S2	969.1	979.1	05/18/11	WG	Dissolved Oxygen	1.83	mg/L	CASA-11-11645
R-43 S2	969.1	979.1	05/18/11	WG	Dissolved Oxygen	2.77	mg/L	CASA-11-11647
R-43 S2	969.1	979.1	05/18/11	WG	Dissolved Oxygen	2.83	mg/L	CASA-11-11649
R-43 S2	969.1	979.1	02/22/11	WG	Dissolved Oxygen	2.7	mg/L	CASA-11-4570
R-43 S2	969.1	979.1	03/12/12	WG	Oxidation-Reduction Potential	-147.3	mV	CASA-12-11715
R-43 S2	969.1	979.1	11/15/11	WG	Oxidation-Reduction Potential	110.7	mV	CASA-12-1396
R-43 S2	969.1	979.1	08/16/11	WG	Oxidation-Reduction Potential	-115.5	mV	CASA-11-24751
R-43 S2	969.1	979.1	08/16/11	WG	Oxidation-Reduction Potential	-11	mV	CASA-11-24753
R-43 S2	969.1	979.1	08/16/11	WG	Oxidation-Reduction Potential	25.5	mV	CASA-11-24755
R-43 S2	969.1	979.1	08/16/11	WG	Oxidation-Reduction Potential	25.5	mV	CASA-11-24787
R-43 S2	969.1	979.1	05/18/11	WG	Oxidation-Reduction Potential	102.8	mV	CASA-11-10820
R-43 S2	969.1	979.1	05/18/11	WG	Oxidation-Reduction Potential	68	mV	CASA-11-11645
R-43 S2	969.1	979.1	05/18/11	WG	Oxidation-Reduction Potential	91.2	mV	CASA-11-11647
R-43 S2	969.1	979.1	05/18/11	WG	Oxidation-Reduction Potential	102.8	mV	CASA-11-11649
R-43 S2	969.1	979.1	02/22/11	WG	Oxidation-Reduction Potential	-11.8	mV	CASA-11-4570
R-43 S2	969.1	979.1	03/12/12	WG	pH	8.88	SU	CASA-12-11715
R-43 S2	969.1	979.1	11/15/11	WG	pH	8.86	SU	CASA-12-1396
R-43 S2	969.1	979.1	08/16/11	WG	pH	9.12	SU	CASA-11-24751
R-43 S2	969.1	979.1	08/16/11	WG	pH	8.9	SU	CASA-11-24753
R-43 S2	969.1	979.1	08/16/11	WG	pH	8.82	SU	CASA-11-24755

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	979.1	08/16/11	WG	pH	8.82	SU	CASA-11-24787
R-43 S2	969.1	979.1	05/18/11	WG	pH	8.8	SU	CASA-11-10820
R-43 S2	969.1	979.1	05/18/11	WG	pH	9.1	SU	CASA-11-11645
R-43 S2	969.1	979.1	05/18/11	WG	pH	8.89	SU	CASA-11-11647
R-43 S2	969.1	979.1	05/18/11	WG	pH	8.8	SU	CASA-11-11649
R-43 S2	969.1	979.1	02/22/11	WG	pH	8.79	SU	CASA-11-4570
R-43 S2	969.1	979.1	03/12/12	WG	Specific Conductance	189	µS/cm	CASA-12-11715
R-43 S2	969.1	979.1	11/15/11	WG	Specific Conductance	188	µS/cm	CASA-12-1396
R-43 S2	969.1	979.1	08/16/11	WG	Specific Conductance	183	µS/cm	CASA-11-24751
R-43 S2	969.1	979.1	08/16/11	WG	Specific Conductance	192	µS/cm	CASA-11-24753
R-43 S2	969.1	979.1	08/16/11	WG	Specific Conductance	190	µS/cm	CASA-11-24755
R-43 S2	969.1	979.1	08/16/11	WG	Specific Conductance	190	µS/cm	CASA-11-24787
R-43 S2	969.1	979.1	05/18/11	WG	Specific Conductance	189	µS/cm	CASA-11-10820
R-43 S2	969.1	979.1	05/18/11	WG	Specific Conductance	184	µS/cm	CASA-11-11645
R-43 S2	969.1	979.1	05/18/11	WG	Specific Conductance	191	µS/cm	CASA-11-11647
R-43 S2	969.1	979.1	05/18/11	WG	Specific Conductance	189	µS/cm	CASA-11-11649
R-43 S2	969.1	979.1	02/22/11	WG	Specific Conductance	191	µS/cm	CASA-11-4570
R-43 S2	969.1	979.1	03/12/12	WG	Temperature	19.12	deg C	CASA-12-11715
R-43 S2	969.1	979.1	11/15/11	WG	Temperature	19.56	deg C	CASA-12-1396
R-43 S2	969.1	979.1	08/16/11	WG	Temperature	17.45	deg C	CASA-11-24751
R-43 S2	969.1	979.1	08/16/11	WG	Temperature	19.87	deg C	CASA-11-24753
R-43 S2	969.1	979.1	08/16/11	WG	Temperature	19.98	deg C	CASA-11-24755
R-43 S2	969.1	979.1	08/16/11	WG	Temperature	19.98	deg C	CASA-11-24787
R-43 S2	969.1	979.1	05/18/11	WG	Temperature	20.08	deg C	CASA-11-10820
R-43 S2	969.1	979.1	05/18/11	WG	Temperature	19.96	deg C	CASA-11-11645
R-43 S2	969.1	979.1	05/18/11	WG	Temperature	19.99	deg C	CASA-11-11647
R-43 S2	969.1	979.1	05/18/11	WG	Temperature	20.08	deg C	CASA-11-11649

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	979.1	02/22/11	WG	Temperature	19.74	deg C	CASA-11-4570
R-43 S2	969.1	979.1	03/12/12	WG	Turbidity	0.61	NTU	CASA-12-11715
R-43 S2	969.1	979.1	11/15/11	WG	Turbidity	0.44	NTU	CASA-12-1396
R-43 S2	969.1	979.1	08/16/11	WG	Turbidity	0.51	NTU	CASA-11-24751
R-43 S2	969.1	979.1	08/16/11	WG	Turbidity	0.32	NTU	CASA-11-24753
R-43 S2	969.1	979.1	08/16/11	WG	Turbidity	0.39	NTU	CASA-11-24755
R-43 S2	969.1	979.1	08/16/11	WG	Turbidity	0.39	NTU	CASA-11-24787
R-43 S2	969.1	979.1	05/18/11	WG	Turbidity	0.35	NTU	CASA-11-10820
R-43 S2	969.1	979.1	05/18/11	WG	Turbidity	1.38	NTU	CASA-11-11645
R-43 S2	969.1	979.1	05/18/11	WG	Turbidity	2.26	NTU	CASA-11-11647
R-43 S2	969.1	979.1	05/18/11	WG	Turbidity	0.35	NTU	CASA-11-11649
R-43 S2	969.1	979.1	02/22/11	WG	Turbidity	0.32	NTU	CASA-11-4570
R-50 S1	1077	1087	03/08/12	WG	Dissolved Oxygen	5.47	mg/L	CAMO-12-12021
R-50 S1	1077	1087	11/18/11	WG	Dissolved Oxygen	5.23	mg/L	CAMO-12-1505
R-50 S1	1077	1087	08/04/11	WG	Dissolved Oxygen	4.3	mg/L	CAMO-11-24532
R-50 S1	1077	1087	08/04/11	WG	Dissolved Oxygen	4.69	mg/L	CAMO-11-24534
R-50 S1	1077	1087	08/04/11	WG	Dissolved Oxygen	5.13	mg/L	CAMO-11-24536
R-50 S1	1077	1087	08/04/11	WG	Dissolved Oxygen	5.13	mg/L	CAMO-11-24673
R-50 S1	1077	1087	05/25/11	WG	Dissolved Oxygen	5.02	mg/L	CAMO-11-10720
R-50 S1	1077	1087	05/25/11	WG	Dissolved Oxygen	3.36	mg/L	CAMO-11-11473
R-50 S1	1077	1087	05/25/11	WG	Dissolved Oxygen	4.53	mg/L	CAMO-11-11476
R-50 S1	1077	1087	05/25/11	WG	Dissolved Oxygen	5.02	mg/L	CAMO-11-11477
R-50 S1	1077	1087	02/23/11	WG	Dissolved Oxygen	4.89	mg/L	CAMO-11-4611
R-50 S1	1077	1087	03/08/12	WG	Oxidation-Reduction Potential	-6.9	mV	CAMO-12-12021
R-50 S1	1077	1087	11/18/11	WG	Oxidation-Reduction Potential	107.9	mV	CAMO-12-1505
R-50 S1	1077	1087	08/04/11	WG	Oxidation-Reduction Potential	-39.9	mV	CAMO-11-24532
R-50 S1	1077	1087	08/04/11	WG	Oxidation-Reduction Potential	-14.4	mV	CAMO-11-24534

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S1	1077	1087	08/04/11	WG	Oxidation-Reduction Potential	-0.9	mV	CAMO-11-24536
R-50 S1	1077	1087	08/04/11	WG	Oxidation-Reduction Potential	-0.9	mV	CAMO-11-24673
R-50 S1	1077	1087	05/25/11	WG	Oxidation-Reduction Potential	221.1	mV	CAMO-11-10720
R-50 S1	1077	1087	05/25/11	WG	Oxidation-Reduction Potential	220	mV	CAMO-11-11473
R-50 S1	1077	1087	05/25/11	WG	Oxidation-Reduction Potential	219.8	mV	CAMO-11-11476
R-50 S1	1077	1087	05/25/11	WG	Oxidation-Reduction Potential	221.1	mV	CAMO-11-11477
R-50 S1	1077	1087	02/23/11	WG	Oxidation-Reduction Potential	87.6	mV	CAMO-11-4611
R-50 S1	1077	1087	03/08/12	WG	pH	7.93	SU	CAMO-12-12021
R-50 S1	1077	1087	11/18/11	WG	pH	7.93	SU	CAMO-12-1505
R-50 S1	1077	1087	08/04/11	WG	pH	8.04	SU	CAMO-11-24532
R-50 S1	1077	1087	08/04/11	WG	pH	7.93	SU	CAMO-11-24534
R-50 S1	1077	1087	08/04/11	WG	pH	7.89	SU	CAMO-11-24536
R-50 S1	1077	1087	08/04/11	WG	pH	7.89	SU	CAMO-11-24673
R-50 S1	1077	1087	05/25/11	WG	pH	7.9	SU	CAMO-11-10720
R-50 S1	1077	1087	05/25/11	WG	pH	7.94	SU	CAMO-11-11473
R-50 S1	1077	1087	05/25/11	WG	pH	7.92	SU	CAMO-11-11476
R-50 S1	1077	1087	05/25/11	WG	pH	7.9	SU	CAMO-11-11477
R-50 S1	1077	1087	02/23/11	WG	pH	7.83	SU	CAMO-11-4611
R-50 S1	1077	1087	03/08/12	WG	Specific Conductance	182	µS/cm	CAMO-12-12021
R-50 S1	1077	1087	11/18/11	WG	Specific Conductance	176	µS/cm	CAMO-12-1505
R-50 S1	1077	1087	08/04/11	WG	Specific Conductance	191	µS/cm	CAMO-11-24532
R-50 S1	1077	1087	08/04/11	WG	Specific Conductance	186	µS/cm	CAMO-11-24534
R-50 S1	1077	1087	08/04/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24536
R-50 S1	1077	1087	08/04/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24673
R-50 S1	1077	1087	05/25/11	WG	Specific Conductance	140	µS/cm	CAMO-11-10720
R-50 S1	1077	1087	05/25/11	WG	Specific Conductance	162	µS/cm	CAMO-11-11473
R-50 S1	1077	1087	05/25/11	WG	Specific Conductance	149	µS/cm	CAMO-11-11476

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S1	1077	1087	05/25/11	WG	Specific Conductance	140	µS/cm	CAMO-11-11477
R-50 S1	1077	1087	02/23/11	WG	Specific Conductance	191	µS/cm	CAMO-11-4611
R-50 S1	1077	1087	03/08/12	WG	Temperature	19.42	deg C	CAMO-12-12021
R-50 S1	1077	1087	11/18/11	WG	Temperature	20.61	deg C	CAMO-12-1505
R-50 S1	1077	1087	08/04/11	WG	Temperature	20.13	deg C	CAMO-11-24532
R-50 S1	1077	1087	08/04/11	WG	Temperature	20.68	deg C	CAMO-11-24534
R-50 S1	1077	1087	08/04/11	WG	Temperature	20.91	deg C	CAMO-11-24536
R-50 S1	1077	1087	08/04/11	WG	Temperature	20.91	deg C	CAMO-11-24673
R-50 S1	1077	1087	05/25/11	WG	Temperature	21.36	deg C	CAMO-11-10720
R-50 S1	1077	1087	05/25/11	WG	Temperature	20.49	deg C	CAMO-11-11473
R-50 S1	1077	1087	05/25/11	WG	Temperature	21.16	deg C	CAMO-11-11476
R-50 S1	1077	1087	05/25/11	WG	Temperature	21.36	deg C	CAMO-11-11477
R-50 S1	1077	1087	02/23/11	WG	Temperature	19.05	deg C	CAMO-11-4611
R-50 S1	1077	1087	03/08/12	WG	Turbidity	0.76	NTU	CAMO-12-12021
R-50 S1	1077	1087	11/18/11	WG	Turbidity	2.57	NTU	CAMO-12-1505
R-50 S1	1077	1087	08/04/11	WG	Turbidity	1.41	NTU	CAMO-11-24532
R-50 S1	1077	1087	08/04/11	WG	Turbidity	2.18	NTU	CAMO-11-24534
R-50 S1	1077	1087	08/04/11	WG	Turbidity	1.69	NTU	CAMO-11-24536
R-50 S1	1077	1087	08/04/11	WG	Turbidity	1.69	NTU	CAMO-11-24673
R-50 S1	1077	1087	05/25/11	WG	Turbidity	1.52	NTU	CAMO-11-10720
R-50 S1	1077	1087	05/25/11	WG	Turbidity	0.79	NTU	CAMO-11-11473
R-50 S1	1077	1087	05/25/11	WG	Turbidity	1.71	NTU	CAMO-11-11476
R-50 S1	1077	1087	05/25/11	WG	Turbidity	1.52	NTU	CAMO-11-11477
R-50 S1	1077	1087	02/23/11	WG	Turbidity	1.97	NTU	CAMO-11-4611
R-50 S2	1185	1205.6	03/07/12	WG	Dissolved Oxygen	6.89	mg/L	CAMO-12-12022
R-50 S2	1185	1205.6	11/28/11	WG	Dissolved Oxygen	6.57	mg/L	CAMO-12-1809
R-50 S2	1185	1205.6	11/21/11	WG	Dissolved Oxygen	5.39	mg/L	CAMO-12-1509

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S2	1185	1205.6	08/08/11	WG	Dissolved Oxygen	7.12	mg/L	CAMO-11-24538
R-50 S2	1185	1205.6	08/08/11	WG	Dissolved Oxygen	6.85	mg/L	CAMO-11-24540
R-50 S2	1185	1205.6	08/08/11	WG	Dissolved Oxygen	6.83	mg/L	CAMO-11-24542
R-50 S2	1185	1205.6	08/08/11	WG	Dissolved Oxygen	6.83	mg/L	CAMO-11-24679
R-50 S2	1185	1205.6	05/24/11	WG	Dissolved Oxygen	6.28	mg/L	CAMO-11-10726
R-50 S2	1185	1205.6	05/24/11	WG	Dissolved Oxygen	6.42	mg/L	CAMO-11-11479
R-50 S2	1185	1205.6	05/24/11	WG	Dissolved Oxygen	5.89	mg/L	CAMO-11-11482
R-50 S2	1185	1205.6	05/24/11	WG	Dissolved Oxygen	6.27	mg/L	CAMO-11-11484
R-50 S2	1185	1205.6	02/24/11	WG	Dissolved Oxygen	6.91	mg/L	CAMO-11-4617
R-50 S2	1185	1205.6	03/07/12	WG	Oxidation-Reduction Potential	82.7	mV	CAMO-12-12022
R-50 S2	1185	1205.6	11/28/11	WG	Oxidation-Reduction Potential	133.9	mV	CAMO-12-1809
R-50 S2	1185	1205.6	11/21/11	WG	Oxidation-Reduction Potential	178.2	mV	CAMO-12-1509
R-50 S2	1185	1205.6	08/08/11	WG	Oxidation-Reduction Potential	91.6	mV	CAMO-11-24538
R-50 S2	1185	1205.6	08/08/11	WG	Oxidation-Reduction Potential	119.6	mV	CAMO-11-24540
R-50 S2	1185	1205.6	08/08/11	WG	Oxidation-Reduction Potential	133.5	mV	CAMO-11-24542
R-50 S2	1185	1205.6	08/08/11	WG	Oxidation-Reduction Potential	133.5	mV	CAMO-11-24679
R-50 S2	1185	1205.6	05/24/11	WG	Oxidation-Reduction Potential	130.1	mV	CAMO-11-10726
R-50 S2	1185	1205.6	05/24/11	WG	Oxidation-Reduction Potential	99.7	mV	CAMO-11-11479
R-50 S2	1185	1205.6	05/24/11	WG	Oxidation-Reduction Potential	121	mV	CAMO-11-11482
R-50 S2	1185	1205.6	05/24/11	WG	Oxidation-Reduction Potential	129.3	mV	CAMO-11-11484
R-50 S2	1185	1205.6	02/24/11	WG	Oxidation-Reduction Potential	90.7	mV	CAMO-11-4617
R-50 S2	1185	1205.6	03/07/12	WG	pH	8.24	SU	CAMO-12-12022
R-50 S2	1185	1205.6	11/28/11	WG	pH	8.19	SU	CAMO-12-1809
R-50 S2	1185	1205.6	11/21/11	WG	pH	7.91	SU	CAMO-12-1509
R-50 S2	1185	1205.6	08/08/11	WG	pH	8.14	SU	CAMO-11-24538
R-50 S2	1185	1205.6	08/08/11	WG	pH	8.17	SU	CAMO-11-24540
R-50 S2	1185	1205.6	08/08/11	WG	pH	8.15	SU	CAMO-11-24542

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S2	1185	1205.6	08/08/11	WG	pH	8.15	SU	CAMO-11-24679
R-50 S2	1185	1205.6	05/24/11	WG	pH	8.09	SU	CAMO-11-10726
R-50 S2	1185	1205.6	05/24/11	WG	pH	8.09	SU	CAMO-11-11479
R-50 S2	1185	1205.6	05/24/11	WG	pH	8.08	SU	CAMO-11-11482
R-50 S2	1185	1205.6	05/24/11	WG	pH	8.09	SU	CAMO-11-11484
R-50 S2	1185	1205.6	02/24/11	WG	pH	8.19	SU	CAMO-11-4617
R-50 S2	1185	1205.6	03/07/12	WG	Specific Conductance	127	µS/cm	CAMO-12-12022
R-50 S2	1185	1205.6	11/28/11	WG	Specific Conductance	115	µS/cm	CAMO-12-1809
R-50 S2	1185	1205.6	11/21/11	WG	Specific Conductance	166	µS/cm	CAMO-12-1509
R-50 S2	1185	1205.6	08/08/11	WG	Specific Conductance	129	µS/cm	CAMO-11-24538
R-50 S2	1185	1205.6	08/08/11	WG	Specific Conductance	136	µS/cm	CAMO-11-24540
R-50 S2	1185	1205.6	08/08/11	WG	Specific Conductance	132	µS/cm	CAMO-11-24542
R-50 S2	1185	1205.6	08/08/11	WG	Specific Conductance	132	µS/cm	CAMO-11-24679
R-50 S2	1185	1205.6	05/24/11	WG	Specific Conductance	126	µS/cm	CAMO-11-10726
R-50 S2	1185	1205.6	05/24/11	WG	Specific Conductance	114	µS/cm	CAMO-11-11479
R-50 S2	1185	1205.6	05/24/11	WG	Specific Conductance	111	µS/cm	CAMO-11-11482
R-50 S2	1185	1205.6	05/24/11	WG	Specific Conductance	127	µS/cm	CAMO-11-11484
R-50 S2	1185	1205.6	02/24/11	WG	Specific Conductance	100	µS/cm	CAMO-11-4617
R-50 S2	1185	1205.6	03/07/12	WG	Temperature	20.79	deg C	CAMO-12-12022
R-50 S2	1185	1205.6	11/28/11	WG	Temperature	20.86	deg C	CAMO-12-1809
R-50 S2	1185	1205.6	11/21/11	WG	Temperature	20.75	deg C	CAMO-12-1509
R-50 S2	1185	1205.6	08/08/11	WG	Temperature	21.46	deg C	CAMO-11-24538
R-50 S2	1185	1205.6	08/08/11	WG	Temperature	21.73	deg C	CAMO-11-24540
R-50 S2	1185	1205.6	08/08/11	WG	Temperature	21.96	deg C	CAMO-11-24542
R-50 S2	1185	1205.6	08/08/11	WG	Temperature	21.96	deg C	CAMO-11-24679
R-50 S2	1185	1205.6	05/24/11	WG	Temperature	21.27	deg C	CAMO-11-10726
R-50 S2	1185	1205.6	05/24/11	WG	Temperature	19.59	deg C	CAMO-11-11479

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S2	1185	1205.6	05/24/11	WG	Temperature	20.89	deg C	CAMO-11-11482
R-50 S2	1185	1205.6	05/24/11	WG	Temperature	21.2	deg C	CAMO-11-11484
R-50 S2	1185	1205.6	02/24/11	WG	Temperature	19.38	deg C	CAMO-11-4617
R-50 S2	1185	1205.6	03/07/12	WG	Turbidity	0.64	NTU	CAMO-12-12022
R-50 S2	1185	1205.6	11/28/11	WG	Turbidity	0.81	NTU	CAMO-12-1809
R-50 S2	1185	1205.6	11/21/11	WG	Turbidity	0.86	NTU	CAMO-12-1509
R-50 S2	1185	1205.6	08/08/11	WG	Turbidity	0.96	NTU	CAMO-11-24538
R-50 S2	1185	1205.6	08/08/11	WG	Turbidity	0.45	NTU	CAMO-11-24540
R-50 S2	1185	1205.6	08/08/11	WG	Turbidity	0.95	NTU	CAMO-11-24542
R-50 S2	1185	1205.6	08/08/11	WG	Turbidity	0.95	NTU	CAMO-11-24679
R-50 S2	1185	1205.6	05/24/11	WG	Turbidity	1.3	NTU	CAMO-11-10726
R-50 S2	1185	1205.6	05/24/11	WG	Turbidity	1.03	NTU	CAMO-11-11479
R-50 S2	1185	1205.6	05/24/11	WG	Turbidity	1.15	NTU	CAMO-11-11482
R-50 S2	1185	1205.6	05/24/11	WG	Turbidity	1.24	NTU	CAMO-11-11484
R-50 S2	1185	1205.6	02/24/11	WG	Turbidity	1.11	NTU	CAMO-11-4617
R-61 S1	1125	1135	02/07/12	WG	Dissolved Oxygen	3.8	mg/L	CAMO-12-2229
R-61 S1	1125	1135	02/07/12	WG	Dissolved Oxygen	3.11	mg/L	CAMO-12-2236
R-61 S1	1125	1135	02/07/12	WG	Dissolved Oxygen	2.57	mg/L	CAMO-12-2238
R-61 S1	1125	1135	02/07/12	WG	Dissolved Oxygen	1.68	mg/L	CAMO-12-2239
R-61 S1	1125	1135	02/07/12	WG	Dissolved Oxygen	1.18	mg/L	CAMO-12-2241
R-61 S1	1125	1135	02/07/12	WG	Dissolved Oxygen	0.74	mg/L	CAMO-12-2243
R-61 S1	1125	1135	02/07/12	WG	Dissolved Oxygen	2.08	mg/L	CAMO-12-2245
R-61 S1	1125	1135	02/07/12	WG	Dissolved Oxygen	3.8	mg/L	CAMO-12-2248
R-61 S1	1125	1135	11/21/11	WG	Dissolved Oxygen	0.49	mg/L	CAMO-12-1429
R-61 S1	1125	1135	11/21/11	WG	Dissolved Oxygen	1.06	mg/L	CAMO-12-1431
R-61 S1	1125	1135	11/21/11	WG	Dissolved Oxygen	2.11	mg/L	CAMO-12-1433
R-61 S1	1125	1135	11/21/11	WG	Dissolved Oxygen	2.11	mg/L	CAMO-12-1511

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	1135	11/15/11	WG	Dissolved Oxygen	0.79	mg/L	CAMO-12-1419
R-61 S1	1125	1135	11/15/11	WG	Dissolved Oxygen	1.42	mg/L	CAMO-12-1421
R-61 S1	1125	1135	11/15/11	WG	Dissolved Oxygen	2.4	mg/L	CAMO-12-1423
R-61 S1	1125	1135	11/15/11	WG	Dissolved Oxygen	3.03	mg/L	CAMO-12-1425
R-61 S1	1125	1135	08/18/11	WG	Dissolved Oxygen	2.01	mg/L	CAMO-11-24698
R-61 S1	1125	1135	05/20/11	WG	Dissolved Oxygen	5.85	mg/L	CAMO-11-10852
R-61 S1	1125	1135	05/20/11	WG	Dissolved Oxygen	5.52	mg/L	CAMO-11-13847
R-61 S1	1125	1135	02/07/12	WG	Oxidation-Reduction Potential	-13.6	mV	CAMO-12-2229
R-61 S1	1125	1135	02/07/12	WG	Oxidation-Reduction Potential	-39.9	mV	CAMO-12-2236
R-61 S1	1125	1135	02/07/12	WG	Oxidation-Reduction Potential	-62.2	mV	CAMO-12-2238
R-61 S1	1125	1135	02/07/12	WG	Oxidation-Reduction Potential	-67.1	mV	CAMO-12-2239
R-61 S1	1125	1135	02/07/12	WG	Oxidation-Reduction Potential	-74.2	mV	CAMO-12-2241
R-61 S1	1125	1135	02/07/12	WG	Oxidation-Reduction Potential	-98.6	mV	CAMO-12-2243
R-61 S1	1125	1135	02/07/12	WG	Oxidation-Reduction Potential	-142.6	mV	CAMO-12-2245
R-61 S1	1125	1135	02/07/12	WG	Oxidation-Reduction Potential	-13.6	mV	CAMO-12-2248
R-61 S1	1125	1135	11/21/11	WG	Oxidation-Reduction Potential	-89.5	mV	CAMO-12-1429
R-61 S1	1125	1135	11/21/11	WG	Oxidation-Reduction Potential	-83.9	mV	CAMO-12-1431
R-61 S1	1125	1135	11/21/11	WG	Oxidation-Reduction Potential	-72.3	mV	CAMO-12-1433
R-61 S1	1125	1135	11/21/11	WG	Oxidation-Reduction Potential	-72.3	mV	CAMO-12-1511
R-61 S1	1125	1135	11/15/11	WG	Oxidation-Reduction Potential	-96.5	mV	CAMO-12-1419
R-61 S1	1125	1135	11/15/11	WG	Oxidation-Reduction Potential	-85.4	mV	CAMO-12-1421
R-61 S1	1125	1135	11/15/11	WG	Oxidation-Reduction Potential	-85.5	mV	CAMO-12-1423
R-61 S1	1125	1135	11/15/11	WG	Oxidation-Reduction Potential	-76.1	mV	CAMO-12-1425
R-61 S1	1125	1135	08/18/11	WG	Oxidation-Reduction Potential	-99.2	mV	CAMO-11-24698
R-61 S1	1125	1135	05/20/11	WG	Oxidation-Reduction Potential	311.2	mV	CAMO-11-10852
R-61 S1	1125	1135	05/20/11	WG	Oxidation-Reduction Potential	135.7	mV	CAMO-11-13847
R-61 S1	1125	1135	02/07/12	WG	pH	7.08	SU	CAMO-12-2229

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	1135	02/07/12	WG	pH	7.03	SU	CAMO-12-2236
R-61 S1	1125	1135	02/07/12	WG	pH	6.99	SU	CAMO-12-2238
R-61 S1	1125	1135	02/07/12	WG	pH	6.94	SU	CAMO-12-2239
R-61 S1	1125	1135	02/07/12	WG	pH	6.93	SU	CAMO-12-2241
R-61 S1	1125	1135	02/07/12	WG	pH	7.02	SU	CAMO-12-2243
R-61 S1	1125	1135	02/07/12	WG	pH	7.03	SU	CAMO-12-2245
R-61 S1	1125	1135	02/07/12	WG	pH	7.08	SU	CAMO-12-2248
R-61 S1	1125	1135	11/21/11	WG	pH	7.23	SU	CAMO-12-1429
R-61 S1	1125	1135	11/21/11	WG	pH	7.2	SU	CAMO-12-1431
R-61 S1	1125	1135	11/21/11	WG	pH	7.23	SU	CAMO-12-1433
R-61 S1	1125	1135	11/21/11	WG	pH	7.23	SU	CAMO-12-1511
R-61 S1	1125	1135	11/15/11	WG	pH	6.89	SU	CAMO-12-1419
R-61 S1	1125	1135	11/15/11	WG	pH	6.91	SU	CAMO-12-1421
R-61 S1	1125	1135	11/15/11	WG	pH	7.01	SU	CAMO-12-1423
R-61 S1	1125	1135	11/15/11	WG	pH	7.11	SU	CAMO-12-1425
R-61 S1	1125	1135	08/18/11	WG	pH	7.16	SU	CAMO-11-24698
R-61 S1	1125	1135	05/20/11	WG	pH	7.47	SU	CAMO-11-10852
R-61 S1	1125	1135	05/20/11	WG	pH	7.74	SU	CAMO-11-13847
R-61 S1	1125	1135	02/07/12	WG	Specific Conductance	139	µS/cm	CAMO-12-2229
R-61 S1	1125	1135	02/07/12	WG	Specific Conductance	148	µS/cm	CAMO-12-2236
R-61 S1	1125	1135	02/07/12	WG	Specific Conductance	163	µS/cm	CAMO-12-2238
R-61 S1	1125	1135	02/07/12	WG	Specific Conductance	173	µS/cm	CAMO-12-2239
R-61 S1	1125	1135	02/07/12	WG	Specific Conductance	175	µS/cm	CAMO-12-2241
R-61 S1	1125	1135	02/07/12	WG	Specific Conductance	171	µS/cm	CAMO-12-2243
R-61 S1	1125	1135	02/07/12	WG	Specific Conductance	189	µS/cm	CAMO-12-2245
R-61 S1	1125	1135	02/07/12	WG	Specific Conductance	139	µS/cm	CAMO-12-2248
R-61 S1	1125	1135	11/21/11	WG	Specific Conductance	177	µS/cm	CAMO-12-1429

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	1135	11/21/11	WG	Specific Conductance	172	µS/cm	CAMO-12-1431
R-61 S1	1125	1135	11/21/11	WG	Specific Conductance	143	µS/cm	CAMO-12-1433
R-61 S1	1125	1135	11/21/11	WG	Specific Conductance	143	µS/cm	CAMO-12-1511
R-61 S1	1125	1135	11/15/11	WG	Specific Conductance	203	µS/cm	CAMO-12-1419
R-61 S1	1125	1135	11/15/11	WG	Specific Conductance	199	µS/cm	CAMO-12-1421
R-61 S1	1125	1135	11/15/11	WG	Specific Conductance	194	µS/cm	CAMO-12-1423
R-61 S1	1125	1135	11/15/11	WG	Specific Conductance	186	µS/cm	CAMO-12-1425
R-61 S1	1125	1135	08/18/11	WG	Specific Conductance	197	µS/cm	CAMO-11-24698
R-61 S1	1125	1135	05/20/11	WG	Specific Conductance	169	µS/cm	CAMO-11-10852
R-61 S1	1125	1135	02/07/12	WG	Temperature	18.59	deg C	CAMO-12-2229
R-61 S1	1125	1135	02/07/12	WG	Temperature	19	deg C	CAMO-12-2236
R-61 S1	1125	1135	02/07/12	WG	Temperature	19.99	deg C	CAMO-12-2238
R-61 S1	1125	1135	02/07/12	WG	Temperature	16.93	deg C	CAMO-12-2239
R-61 S1	1125	1135	02/07/12	WG	Temperature	18.17	deg C	CAMO-12-2241
R-61 S1	1125	1135	02/07/12	WG	Temperature	16.66	deg C	CAMO-12-2243
R-61 S1	1125	1135	02/07/12	WG	Temperature	13.46	deg C	CAMO-12-2245
R-61 S1	1125	1135	02/07/12	WG	Temperature	18.59	deg C	CAMO-12-2248
R-61 S1	1125	1135	11/21/11	WG	Temperature	17.83	deg C	CAMO-12-1429
R-61 S1	1125	1135	11/21/11	WG	Temperature	20.08	deg C	CAMO-12-1431
R-61 S1	1125	1135	11/21/11	WG	Temperature	19.9	deg C	CAMO-12-1433
R-61 S1	1125	1135	11/21/11	WG	Temperature	19.9	deg C	CAMO-12-1511
R-61 S1	1125	1135	11/15/11	WG	Temperature	14.4	deg C	CAMO-12-1419
R-61 S1	1125	1135	11/15/11	WG	Temperature	14.98	deg C	CAMO-12-1421
R-61 S1	1125	1135	11/15/11	WG	Temperature	16.96	deg C	CAMO-12-1423
R-61 S1	1125	1135	11/15/11	WG	Temperature	16.94	deg C	CAMO-12-1425
R-61 S1	1125	1135	08/18/11	WG	Temperature	21.61	deg C	CAMO-11-24698
R-61 S1	1125	1135	05/20/11	WG	Temperature	19.25	deg C	CAMO-11-10852

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	1135	05/20/11	WG	Temperature	19.65	deg C	CAMO-11-13847
R-61 S1	1125	1135	02/07/12	WG	Turbidity	4.35	NTU	CAMO-12-2229
R-61 S1	1125	1135	02/07/12	WG	Turbidity	1.61	NTU	CAMO-12-2236
R-61 S1	1125	1135	02/07/12	WG	Turbidity	1.24	NTU	CAMO-12-2238
R-61 S1	1125	1135	02/07/12	WG	Turbidity	1.43	NTU	CAMO-12-2239
R-61 S1	1125	1135	02/07/12	WG	Turbidity	1.8	NTU	CAMO-12-2241
R-61 S1	1125	1135	02/07/12	WG	Turbidity	2.71	NTU	CAMO-12-2243
R-61 S1	1125	1135	02/07/12	WG	Turbidity	1.32	NTU	CAMO-12-2245
R-61 S1	1125	1135	02/07/12	WG	Turbidity	4.35	NTU	CAMO-12-2248
R-61 S1	1125	1135	11/21/11	WG	Turbidity	2.75	NTU	CAMO-12-1429
R-61 S1	1125	1135	11/21/11	WG	Turbidity	1.67	NTU	CAMO-12-1431
R-61 S1	1125	1135	11/21/11	WG	Turbidity	1.74	NTU	CAMO-12-1433
R-61 S1	1125	1135	11/21/11	WG	Turbidity	1.74	NTU	CAMO-12-1511
R-61 S1	1125	1135	11/15/11	WG	Turbidity	2.3	NTU	CAMO-12-1419
R-61 S1	1125	1135	11/15/11	WG	Turbidity	3.78	NTU	CAMO-12-1421
R-61 S1	1125	1135	11/15/11	WG	Turbidity	3.41	NTU	CAMO-12-1423
R-61 S1	1125	1135	11/15/11	WG	Turbidity	2.26	NTU	CAMO-12-1425
R-61 S1	1125	1135	08/18/11	WG	Turbidity	1.68	NTU	CAMO-11-24698
R-61 S1	1125	1135	05/20/11	WG	Turbidity	7.45	NTU	CAMO-11-10852
R-61 S1	1125	1135	05/20/11	WG	Turbidity	0	NTU	CAMO-11-13847
R-61 S2	1220.4	1241	02/08/12	WG	Dissolved Oxygen	2.11	mg/L	CAMO-12-2232
R-61 S2	1220.4	1241	02/08/12	WG	Dissolved Oxygen	1.11	mg/L	CAMO-12-2251
R-61 S2	1220.4	1241	02/08/12	WG	Dissolved Oxygen	0.39	mg/L	CAMO-12-2253
R-61 S2	1220.4	1241	02/08/12	WG	Dissolved Oxygen	0.27	mg/L	CAMO-12-2256
R-61 S2	1220.4	1241	02/08/12	WG	Dissolved Oxygen	0.23	mg/L	CAMO-12-2258
R-61 S2	1220.4	1241	02/08/12	WG	Dissolved Oxygen	7.07	mg/L	CAMO-12-2259
R-61 S2	1220.4	1241	11/18/11	WG	Dissolved Oxygen	0.3	mg/L	CAMO-12-1443

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	1241	11/18/11	WG	Dissolved Oxygen	1.17	mg/L	CAMO-12-1445
R-61 S2	1220.4	1241	11/18/11	WG	Dissolved Oxygen	1.48	mg/L	CAMO-12-1447
R-61 S2	1220.4	1241	11/18/11	WG	Dissolved Oxygen	1.76	mg/L	CAMO-12-1449
R-61 S2	1220.4	1241	11/18/11	WG	Dissolved Oxygen	1.76	mg/L	CAMO-12-1516
R-61 S2	1220.4	1241	11/14/11	WG	Dissolved Oxygen	0.26	mg/L	CAMO-12-1435
R-61 S2	1220.4	1241	11/14/11	WG	Dissolved Oxygen	0.47	mg/L	CAMO-12-1437
R-61 S2	1220.4	1241	11/14/11	WG	Dissolved Oxygen	0.71	mg/L	CAMO-12-1439
R-61 S2	1220.4	1241	11/14/11	WG	Dissolved Oxygen	1.43	mg/L	CAMO-12-1441
R-61 S2	1220.4	1241	08/19/11	WG	Dissolved Oxygen	0.8	mg/L	CAMO-11-24703
R-61 S2	1220.4	1241	05/24/11	WG	Dissolved Oxygen	7.72	mg/L	CAMO-11-11689
R-61 S2	1220.4	1241	05/24/11	WG	Dissolved Oxygen	7.66	mg/L	CAMO-11-13848
R-61 S2	1220.4	1241	02/08/12	WG	Oxidation-Reduction Potential	-61.6	mV	CAMO-12-2232
R-61 S2	1220.4	1241	02/08/12	WG	Oxidation-Reduction Potential	-77.9	mV	CAMO-12-2251
R-61 S2	1220.4	1241	02/08/12	WG	Oxidation-Reduction Potential	-100.3	mV	CAMO-12-2253
R-61 S2	1220.4	1241	02/08/12	WG	Oxidation-Reduction Potential	-102.1	mV	CAMO-12-2256
R-61 S2	1220.4	1241	02/08/12	WG	Oxidation-Reduction Potential	-100.1	mV	CAMO-12-2258
R-61 S2	1220.4	1241	02/08/12	WG	Oxidation-Reduction Potential	160.8	mV	CAMO-12-2259
R-61 S2	1220.4	1241	11/18/11	WG	Oxidation-Reduction Potential	-104.8	mV	CAMO-12-1443
R-61 S2	1220.4	1241	11/18/11	WG	Oxidation-Reduction Potential	-83.3	mV	CAMO-12-1445
R-61 S2	1220.4	1241	11/18/11	WG	Oxidation-Reduction Potential	-82.3	mV	CAMO-12-1447
R-61 S2	1220.4	1241	11/18/11	WG	Oxidation-Reduction Potential	-80.3	mV	CAMO-12-1449
R-61 S2	1220.4	1241	11/18/11	WG	Oxidation-Reduction Potential	-80.3	mV	CAMO-12-1516
R-61 S2	1220.4	1241	11/14/11	WG	Oxidation-Reduction Potential	-115.6	mV	CAMO-12-1435
R-61 S2	1220.4	1241	11/14/11	WG	Oxidation-Reduction Potential	-100.6	mV	CAMO-12-1437
R-61 S2	1220.4	1241	11/14/11	WG	Oxidation-Reduction Potential	-97.2	mV	CAMO-12-1439
R-61 S2	1220.4	1241	11/14/11	WG	Oxidation-Reduction Potential	-86.7	mV	CAMO-12-1441
R-61 S2	1220.4	1241	08/19/11	WG	Oxidation-Reduction Potential	-108.9	mV	CAMO-11-24703

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	1241	05/24/11	WG	Oxidation-Reduction Potential	177.7	mV	CAMO-11-11689
R-61 S2	1220.4	1241	05/24/11	WG	Oxidation-Reduction Potential	130.5	mV	CAMO-11-13848
R-61 S2	1220.4	1241	02/08/12	WG	pH	7.21	SU	CAMO-12-2232
R-61 S2	1220.4	1241	02/08/12	WG	pH	7.12	SU	CAMO-12-2251
R-61 S2	1220.4	1241	02/08/12	WG	pH	7.17	SU	CAMO-12-2253
R-61 S2	1220.4	1241	02/08/12	WG	pH	7.14	SU	CAMO-12-2256
R-61 S2	1220.4	1241	02/08/12	WG	pH	7	SU	CAMO-12-2258
R-61 S2	1220.4	1241	02/08/12	WG	pH	6.99	SU	CAMO-12-2259
R-61 S2	1220.4	1241	11/18/11	WG	pH	6.95	SU	CAMO-12-1443
R-61 S2	1220.4	1241	11/18/11	WG	pH	6.95	SU	CAMO-12-1445
R-61 S2	1220.4	1241	11/18/11	WG	pH	6.96	SU	CAMO-12-1447
R-61 S2	1220.4	1241	11/18/11	WG	pH	7.02	SU	CAMO-12-1449
R-61 S2	1220.4	1241	11/18/11	WG	pH	7.02	SU	CAMO-12-1516
R-61 S2	1220.4	1241	11/14/11	WG	pH	6.84	SU	CAMO-12-1435
R-61 S2	1220.4	1241	11/14/11	WG	pH	6.84	SU	CAMO-12-1437
R-61 S2	1220.4	1241	11/14/11	WG	pH	6.85	SU	CAMO-12-1439
R-61 S2	1220.4	1241	11/14/11	WG	pH	6.88	SU	CAMO-12-1441
R-61 S2	1220.4	1241	08/19/11	WG	pH	7.02	SU	CAMO-11-24703
R-61 S2	1220.4	1241	05/24/11	WG	pH	7.67	SU	CAMO-11-11689
R-61 S2	1220.4	1241	05/24/11	WG	pH	8.19	SU	CAMO-11-13848
R-61 S2	1220.4	1241	02/08/12	WG	Specific Conductance	154	µS/cm	CAMO-12-2232
R-61 S2	1220.4	1241	02/08/12	WG	Specific Conductance	180	µS/cm	CAMO-12-2251
R-61 S2	1220.4	1241	02/08/12	WG	Specific Conductance	215	µS/cm	CAMO-12-2253
R-61 S2	1220.4	1241	02/08/12	WG	Specific Conductance	178	µS/cm	CAMO-12-2256
R-61 S2	1220.4	1241	02/08/12	WG	Specific Conductance	241	µS/cm	CAMO-12-2258
R-61 S2	1220.4	1241	02/08/12	WG	Specific Conductance	167	µS/cm	CAMO-12-2259
R-61 S2	1220.4	1241	11/18/11	WG	Specific Conductance	170	µS/cm	CAMO-12-1443

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	1241	11/18/11	WG	Specific Conductance	149	µS/cm	CAMO-12-1445
R-61 S2	1220.4	1241	11/18/11	WG	Specific Conductance	136	µS/cm	CAMO-12-1447
R-61 S2	1220.4	1241	11/18/11	WG	Specific Conductance	141	µS/cm	CAMO-12-1449
R-61 S2	1220.4	1241	11/18/11	WG	Specific Conductance	141	µS/cm	CAMO-12-1516
R-61 S2	1220.4	1241	11/14/11	WG	Specific Conductance	257	µS/cm	CAMO-12-1435
R-61 S2	1220.4	1241	11/14/11	WG	Specific Conductance	213	µS/cm	CAMO-12-1437
R-61 S2	1220.4	1241	11/14/11	WG	Specific Conductance	197	µS/cm	CAMO-12-1439
R-61 S2	1220.4	1241	11/14/11	WG	Specific Conductance	156	µS/cm	CAMO-12-1441
R-61 S2	1220.4	1241	08/19/11	WG	Specific Conductance	21.41	µS/cm	CAMO-11-24703
R-61 S2	1220.4	1241	05/24/11	WG	Specific Conductance	149	µS/cm	CAMO-11-11689
R-61 S2	1220.4	1241	02/08/12	WG	Temperature	20.8	deg C	CAMO-12-2232
R-61 S2	1220.4	1241	02/08/12	WG	Temperature	19.74	deg C	CAMO-12-2251
R-61 S2	1220.4	1241	02/08/12	WG	Temperature	17.91	deg C	CAMO-12-2253
R-61 S2	1220.4	1241	02/08/12	WG	Temperature	19.89	deg C	CAMO-12-2256
R-61 S2	1220.4	1241	02/08/12	WG	Temperature	20.06	deg C	CAMO-12-2258
R-61 S2	1220.4	1241	02/08/12	WG	Temperature	15.85	deg C	CAMO-12-2259
R-61 S2	1220.4	1241	11/18/11	WG	Temperature	19.53	deg C	CAMO-12-1443
R-61 S2	1220.4	1241	11/18/11	WG	Temperature	19.5	deg C	CAMO-12-1445
R-61 S2	1220.4	1241	11/18/11	WG	Temperature	20.33	deg C	CAMO-12-1447
R-61 S2	1220.4	1241	11/18/11	WG	Temperature	20.26	deg C	CAMO-12-1449
R-61 S2	1220.4	1241	11/18/11	WG	Temperature	20.26	deg C	CAMO-12-1516
R-61 S2	1220.4	1241	11/14/11	WG	Temperature	18.57	deg C	CAMO-12-1435
R-61 S2	1220.4	1241	11/14/11	WG	Temperature	18.68	deg C	CAMO-12-1437
R-61 S2	1220.4	1241	11/14/11	WG	Temperature	18.59	deg C	CAMO-12-1439
R-61 S2	1220.4	1241	11/14/11	WG	Temperature	18.67	deg C	CAMO-12-1441
R-61 S2	1220.4	1241	08/19/11	WG	Temperature	21.41	deg C	CAMO-11-24703
R-61 S2	1220.4	1241	05/24/11	WG	Temperature	18.31	deg C	CAMO-11-11689

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	1241	05/24/11	WG	Temperature	16.55	deg C	CAMO-11-13848
R-61 S2	1220.4	1241	02/08/12	WG	Turbidity	0.79	NTU	CAMO-12-2232
R-61 S2	1220.4	1241	02/08/12	WG	Turbidity	0.77	NTU	CAMO-12-2251
R-61 S2	1220.4	1241	02/08/12	WG	Turbidity	0.85	NTU	CAMO-12-2253
R-61 S2	1220.4	1241	02/08/12	WG	Turbidity	0.94	NTU	CAMO-12-2256
R-61 S2	1220.4	1241	02/08/12	WG	Turbidity	1.12	NTU	CAMO-12-2258
R-61 S2	1220.4	1241	02/08/12	WG	Turbidity	9.86	NTU	CAMO-12-2259
R-61 S2	1220.4	1241	11/18/11	WG	Turbidity	2.43	NTU	CAMO-12-1443
R-61 S2	1220.4	1241	11/18/11	WG	Turbidity	1.45	NTU	CAMO-12-1445
R-61 S2	1220.4	1241	11/18/11	WG	Turbidity	1.27	NTU	CAMO-12-1447
R-61 S2	1220.4	1241	11/18/11	WG	Turbidity	0.89	NTU	CAMO-12-1449
R-61 S2	1220.4	1241	11/18/11	WG	Turbidity	0.89	NTU	CAMO-12-1516
R-61 S2	1220.4	1241	11/14/11	WG	Turbidity	2.51	NTU	CAMO-12-1435
R-61 S2	1220.4	1241	11/14/11	WG	Turbidity	2	NTU	CAMO-12-1437
R-61 S2	1220.4	1241	11/14/11	WG	Turbidity	1.43	NTU	CAMO-12-1439
R-61 S2	1220.4	1241	11/14/11	WG	Turbidity	1.11	NTU	CAMO-12-1441
R-61 S2	1220.4	1241	08/19/11	WG	Turbidity	1.63	NTU	CAMO-11-24703
R-61 S2	1220.4	1241	05/24/11	WG	Turbidity	1.8	NTU	CAMO-11-11689
SCI-2	548	568	03/05/12	WG	Dissolved Oxygen	9.43	mg/L	CASA-12-11712
SCI-2	548	568	08/11/11	WG	Dissolved Oxygen	9.79	mg/L	CASA-11-24765
SCI-2	548	568	08/09/11	WG	Dissolved Oxygen	8.93	mg/L	CASA-11-24845
SCI-2	548	568	08/09/11	WG	Dissolved Oxygen	9.43	mg/L	CASA-11-24847
SCI-2	548	568	08/09/11	WG	Dissolved Oxygen	9.6	mg/L	CASA-11-24849
SCI-2	548	568	06/02/11	WG	Dissolved Oxygen	8.93	mg/L	CASA-11-10807
SCI-2	548	568	06/02/11	WG	Dissolved Oxygen	9.09	mg/L	CASA-11-11657
SCI-2	548	568	06/02/11	WG	Dissolved Oxygen	9.49	mg/L	CASA-11-11659
SCI-2	548	568	06/02/11	WG	Dissolved Oxygen	9.06	mg/L	CASA-11-11662

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	548	568	02/17/11	WG	Dissolved Oxygen	8.37	mg/L	CASA-11-4555
SCI-2	548	568	02/17/11	WG	Dissolved Oxygen	8.37	mg/L	CASA-11-4915
SCI-2	548	568	11/16/10	WG	Dissolved Oxygen	9.31	mg/L	CASA-11-1363
SCI-2	548	568	03/05/12	WG	Oxidation-Reduction Potential	21.5	mV	CASA-12-11712
SCI-2	548	568	08/11/11	WG	Oxidation-Reduction Potential	90.4	mV	CASA-11-24765
SCI-2	548	568	08/09/11	WG	Oxidation-Reduction Potential	78.4	mV	CASA-11-24845
SCI-2	548	568	08/09/11	WG	Oxidation-Reduction Potential	91.6	mV	CASA-11-24847
SCI-2	548	568	08/09/11	WG	Oxidation-Reduction Potential	90.4	mV	CASA-11-24849
SCI-2	548	568	06/02/11	WG	Oxidation-Reduction Potential	263.7	mV	CASA-11-10807
SCI-2	548	568	06/02/11	WG	Oxidation-Reduction Potential	250.7	mV	CASA-11-11657
SCI-2	548	568	06/02/11	WG	Oxidation-Reduction Potential	256.7	mV	CASA-11-11659
SCI-2	548	568	06/02/11	WG	Oxidation-Reduction Potential	262.7	mV	CASA-11-11662
SCI-2	548	568	02/17/11	WG	Oxidation-Reduction Potential	212.3	mV	CASA-11-4555
SCI-2	548	568	02/17/11	WG	Oxidation-Reduction Potential	212.3	mV	CASA-11-4915
SCI-2	548	568	11/16/10	WG	Oxidation-Reduction Potential	188.5	mV	CASA-11-1363
SCI-2	548	568	03/05/12	WG	pH	7.5	SU	CASA-12-11712
SCI-2	548	568	08/11/11	WG	pH	7.49	SU	CASA-11-24765
SCI-2	548	568	08/09/11	WG	pH	7.45	SU	CASA-11-24845
SCI-2	548	568	08/09/11	WG	pH	7.48	SU	CASA-11-24847
SCI-2	548	568	08/09/11	WG	pH	7.5	SU	CASA-11-24849
SCI-2	548	568	06/02/11	WG	pH	7.45	SU	CASA-11-10807
SCI-2	548	568	06/02/11	WG	pH	7.39	SU	CASA-11-11657
SCI-2	548	568	06/02/11	WG	pH	7.42	SU	CASA-11-11659
SCI-2	548	568	06/02/11	WG	pH	7.45	SU	CASA-11-11662
SCI-2	548	568	02/17/11	WG	pH	7.51	SU	CASA-11-4555
SCI-2	548	568	02/17/11	WG	pH	7.51	SU	CASA-11-4915
SCI-2	548	568	11/16/10	WG	pH	7.03	SU	CASA-11-1363

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	548	568	03/05/12	WG	Specific Conductance	609	µS/cm	CASA-12-11712
SCI-2	548	568	08/11/11	WG	Specific Conductance	590	µS/cm	CASA-11-24765
SCI-2	548	568	08/09/11	WG	Specific Conductance	590	µS/cm	CASA-11-24845
SCI-2	548	568	08/09/11	WG	Specific Conductance	565	µS/cm	CASA-11-24847
SCI-2	548	568	08/09/11	WG	Specific Conductance	592	µS/cm	CASA-11-24849
SCI-2	548	568	06/02/11	WG	Specific Conductance	570	µS/cm	CASA-11-10807
SCI-2	548	568	06/02/11	WG	Specific Conductance	597	µS/cm	CASA-11-11657
SCI-2	548	568	06/02/11	WG	Specific Conductance	594	µS/cm	CASA-11-11659
SCI-2	548	568	06/02/11	WG	Specific Conductance	573	µS/cm	CASA-11-11662
SCI-2	548	568	02/17/11	WG	Specific Conductance	507	µS/cm	CASA-11-4555
SCI-2	548	568	02/17/11	WG	Specific Conductance	507	µS/cm	CASA-11-4915
SCI-2	548	568	11/16/10	WG	Specific Conductance	728	µS/cm	CASA-11-1363
SCI-2	548	568	03/05/12	WG	Temperature	14.1	deg C	CASA-12-11712
SCI-2	548	568	08/11/11	WG	Temperature	14.52	deg C	CASA-11-24765
SCI-2	548	568	08/09/11	WG	Temperature	14.51	deg C	CASA-11-24845
SCI-2	548	568	08/09/11	WG	Temperature	14.53	deg C	CASA-11-24847
SCI-2	548	568	08/09/11	WG	Temperature	14.55	deg C	CASA-11-24849
SCI-2	548	568	06/02/11	WG	Temperature	14.81	deg C	CASA-11-10807
SCI-2	548	568	06/02/11	WG	Temperature	14.78	deg C	CASA-11-11657
SCI-2	548	568	06/02/11	WG	Temperature	15.15	deg C	CASA-11-11659
SCI-2	548	568	06/02/11	WG	Temperature	14.8	deg C	CASA-11-11662
SCI-2	548	568	02/17/11	WG	Temperature	14.3	deg C	CASA-11-4555
SCI-2	548	568	02/17/11	WG	Temperature	14.3	deg C	CASA-11-4915
SCI-2	548	568	11/16/10	WG	Temperature	10.25	deg C	CASA-11-1363
SCI-2	548	568	03/05/12	WG	Turbidity	0.73	NTU	CASA-12-11712
SCI-2	548	568	08/11/11	WG	Turbidity	1.29	NTU	CASA-11-24765
SCI-2	548	568	08/09/11	WG	Turbidity	4.5	NTU	CASA-11-24845

Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	548	568	08/09/11	WG	Turbidity	3.5	NTU	CASA-11-24847
SCI-2	548	568	08/09/11	WG	Turbidity	1.29	NTU	CASA-11-24849
SCI-2	548	568	06/02/11	WG	Turbidity	1.18	NTU	CASA-11-10807
SCI-2	548	568	06/02/11	WG	Turbidity	4.45	NTU	CASA-11-11657
SCI-2	548	568	06/02/11	WG	Turbidity	2.84	NTU	CASA-11-11659
SCI-2	548	568	06/02/11	WG	Turbidity	1.07	NTU	CASA-11-11662
SCI-2	548	568	02/17/11	WG	Turbidity	2.25	NTU	CASA-11-4555
SCI-2	548	568	02/17/11	WG	Turbidity	2.25	NTU	CASA-11-4915
SCI-2	548	568	11/16/10	WG	Turbidity	4.26	NTU	CASA-11-1363

[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 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	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.35	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.37	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.27	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.23	—	—	0.01	SU	H	J-	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.74	—	—	0.01	SU	H	J-	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.34	—	—	0.01	SU	H	J-	11-1318	CAMO-11-4593	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	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.5	—	—	0.73	mg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	102	—	—	0.73	mg/L	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.4	—	—	1	µg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46.6	—	—	1	µg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46.8	—	—	1	µg/L	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	48.6	—	—	15	µg/L	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	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	—	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	J	J	11-3152	CAMO-11-24631	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	51.3	—	—	15	µg/L	—	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	J	J	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	48.7	—	—	15	µg/L	J	J	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	44.7	—	—	15	µg/L	J	J	11-1318	CAMO-11-4593	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	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.674	—	—	0.066	mg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.657	—	—	0.066	mg/L	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	69.8	—	—	0.05	mg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	73	—	—	0.05	mg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.8	—	—	0.05	mg/L	—	NQ	11-1318	CAMO-11-4593	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	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	62.9	—	—	0.33	mg/L	—	J+	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	56.3	—	—	0.66	mg/L	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	59.6	—	—	2	µg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	54.2	—	—	2	µg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	49.6	—	—	2	µg/L	—	NQ	11-1318	CAMO-11-4593	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	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.01	—	—	1	µg/L	J	J	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	U	U	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	U	U	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	U	U	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	U	U	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	U	U	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	9.42	—	—	3	µg/L	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	16.2	—	—	3	µg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	13.4	—	—	3	µg/L	—	NQ	11-1318	CAMO-11-4593	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	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.562	—	—	0.033	mg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.528	—	—	0.033	mg/L	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	233	—	—	0.453	mg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	248	—	—	0.45	mg/L	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	242	—	—	0.45	mg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	238	—	—	0.45	mg/L	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.2	—	—	0.11	mg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.6	—	—	0.11	mg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.8	—	—	0.11	mg/L	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.48	—	—	2	µg/L	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	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	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	J	J	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.81	—	—	2	µg/L	J	J	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.67	—	—	2	µg/L	J	J	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.165	µg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.17	µg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.5	—	—	0.17	µg/L	—	U	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	34.3	—	—	0.5	µg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	32.5	—	—	0.5	µg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	27.9	—	—	0.5	µg/L	—	NQ	11-1318	CAMO-11-4593	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	Lab Qual	2nd Qual	Request	Sample	Lab
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	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.67	—	—	0.1	mg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	9.4	—	—	0.25	mg/L	—	NQ	11-1318	CAMO-11-4593	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	—	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	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	63.1	—	—	5	µg/L	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	72.2	—	—	5	µg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	71.7	—	—	10	µg/L	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.99	—	—	0.05	mg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.07	—	—	0.05	mg/L	—	J	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.99	—	—	0.05	mg/L	—	J	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.3	—	—	0.053	mg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.8	—	—	0.053	mg/L	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.1	—	—	0.1	mg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.6	—	—	0.1	mg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	27.1	—	—	0.1	mg/L	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	594	—	—	1	µS/cm	—	NQ	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	611	—	—	1	µS/cm	—	NQ	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	608	—	—	1	µS/cm	—	NQ	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	609	—	—	1	µS/cm	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	611	—	—	1	µS/cm	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	614	—	—	1	µS/cm	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	321	—	—	1	µg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	318	—	—	1	µg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	326	—	—	1	µg/L	—	NQ	11-1318	CAMO-11-4593	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	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	70.2	—	—	0.5	mg/L	—	J+	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	67.2	—	—	1	mg/L	—	NQ	11-1318	CAMO-11-4593	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	Lab Qual	2nd Qual	Request	Sample	Lab
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	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	410	—	—	2.4	mg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	463	—	—	2.4	mg/L	—	NQ	11-1318	CAMO-11-4593	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	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	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	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	U	UJ	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.135	—	—	0.035	mg/L	—	NQ	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	U	U	11-1318	CAMO-11-4592	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	—	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	—	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	—	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	J	J	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.44	—	—	0.33	mg/L	—	NQ	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.17	—	—	0.33	mg/L	—	NQ	11-1318	CAMO-11-4592	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0696	—	—	0.015	mg/L	—	J-	12-1052	CAMO-12-12026	GELC
MCOI-6	686	11/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0398	—	—	0.015	mg/L	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0409	—	—	0.015	mg/L	J	J	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.139	—	—	0.015	mg/L	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	11/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0409	—	—	0.015	mg/L	J	J	12-312	CAMO-12-1472	GELC
MCOI-6	686	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.139	—	—	0.015	mg/L	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0888	—	—	0.015	mg/L	—	U	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.034	—	—	0.015	mg/L	J	J	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.46	—	—	0.067	µg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.34	—	—	0.067	µg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.36	—	—	0.067	µg/L	—	NQ	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.31	—	—	1	µg/L	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	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	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	U	U	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	2.16	—	—	1	µg/L	J	U	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	U	U	11-1318	CAMO-11-4593	GELC
MCOI-6	686	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	27.9	—	—	3.3	µg/L	—	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	—	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	—	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	—	NQ	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	35.1	—	—	3.3	µg/L	—	NQ	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	34.1	—	—	3.3	µg/L	—	J	11-1318	CAMO-11-4593	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.08	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.53	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	8.08	—	—	0.01	SU	H	J-	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.87	—	—	0.01	SU	H	J-	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8	—	—	0.01	SU	H	J-	11-1456	CASA-11-4559	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	—	NQ	12-1058	CASA-12-11713	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	Lab Qual	2nd Qual	Request	Sample	Lab
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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.6	—	—	0.73	mg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.1	—	—	0.73	mg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.2	—	—	1	µg/L	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	38.4	—	—	1	µg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.4	—	—	1	µg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.4	—	—	15	µg/L	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	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	J	J	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	32.6	—	—	15	µg/L	J	J	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.4	—	—	15	µg/L	J	J	11-1456	CASA-11-4559	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	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	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	J	J	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.123	—	—	0.066	mg/L	J	J	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0902	—	—	0.066	mg/L	J	J	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.8	—	—	0.05	mg/L	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23	—	—	0.05	mg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.5	—	—	0.05	mg/L	—	NQ	11-1456	CASA-11-4559	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	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.36	—	—	0.066	mg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.11	—	—	0.066	mg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	21.4	—	—	2	µg/L	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	17.2	—	—	2	µg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16.8	—	—	2	µg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.03	—	—	1	µg/L	J	J	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	U	U	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	U	U	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	U	U	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	U	U	11-1456	CASA-11-4559	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	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.41	—	—	0.033	mg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.422	—	—	0.033	mg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79.5	—	—	0.453	mg/L	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	83	—	—	0.45	mg/L	—	NQ	11-2498	CASA-11-10810	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.5	—	—	0.45	mg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.07	—	—	0.11	mg/L	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.21	—	—	0.11	mg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.14	—	—	0.11	mg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.165	µg/L	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.49	—	—	0.17	µg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.17	µg/L	—	J	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.68	—	—	0.5	µg/L	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	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	J	J	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.78	—	—	0.5	µg/L	J	J	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.05	—	—	0.5	µg/L	J	J	11-1456	CASA-11-4559	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	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.95	—	—	0.05	mg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.6	—	—	0.1	mg/L	—	NQ	11-1456	CASA-11-4559	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	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.835	—	—	0.05	µg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.822	—	—	0.05	µg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.5	—	—	0.05	mg/L	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.6	—	—	0.05	mg/L	—	J	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.6	—	—	1.5	µg/L	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	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	J	J	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	U	U	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	U	U	11-1456	CASA-11-4559	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	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.6	—	—	0.053	mg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.7	—	—	0.1	mg/L	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.2	—	—	0.1	mg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.6	—	—	0.1	mg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	222	—	—	1	µS/cm	—	NQ	12-1058	CASA-12-11713	GELC
R-11	855	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	192	—	—	1	µS/cm	—	NQ	12-366	CASA-12-1380	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	08/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	217	—	—	1	µS/cm	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	222	—	—	1	µS/cm	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	209	—	—	1	µS/cm	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	90.1	—	—	1	µg/L	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	87.6	—	—	1	µg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	89.7	—	—	1	µg/L	—	NQ	11-1456	CASA-11-4559	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	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.6	—	—	0.1	mg/L	—	J+	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.56	—	—	0.1	mg/L	—	NQ	11-1456	CASA-11-4559	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	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	189	—	—	2.4	mg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	201	—	—	2.4	mg/L	—	NQ	11-1456	CASA-11-4559	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	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	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	J	J	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.433	—	—	0.33	mg/L	J	J	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.625	—	—	0.33	mg/L	J	J	11-1456	CASA-11-4560	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.678	—	—	0.067	µg/L	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.761	—	—	0.067	µg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.814	—	—	0.067	µg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.84	—	—	1	µg/L	—	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	—	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	—	NQ	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.82	—	—	1	µg/L	—	NQ	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.96	—	—	1	µg/L	—	NQ	11-1456	CASA-11-4559	GELC
R-11	855	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.85	—	—	3.3	µg/L	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	—	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	J	J	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.01	—	—	3.3	µg/L	J	J	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.87	—	—	3.3	µg/L	J	J	11-1456	CASA-11-4559	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.62	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.79	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.79	—	—	0.01	SU	H	J-	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.86	—	—	0.01	SU	H	J-	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.87	—	—	0.01	SU	H	J-	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	49.2	—	—	0.73	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.6	—	—	0.73	mg/L	—	NQ	11-1343	CAMO-11-4599	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.2	—	—	1	µg/L	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	66.6	—	—	1	µg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	66	—	—	1	µg/L	—	NQ	11-1343	CAMO-11-4599	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	24.6	—	—	15	µg/L	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	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	J	J	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.2	—	—	15	µg/L	J	J	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.9	—	—	15	µg/L	J	J	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.242	—	—	0.066	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.22	—	—	0.066	mg/L	—	NQ	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	45.3	—	—	0.05	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	44.2	—	—	0.05	mg/L	—	NQ	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	34.3	—	—	0.33	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	30.9	—	—	0.66	mg/L	—	NQ	11-1343	CAMO-11-4599	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	336	—	—	2	µg/L	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	344	—	—	2	µg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	356	—	—	2	µg/L	E	NQ	11-1343	CAMO-11-4599	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	4.77	—	—	3	µg/L	J	J	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	U	U	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	U	U	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	3.28	—	—	3	µg/L	J	J	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	U	U	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.297	—	—	0.033	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.297	—	—	0.033	mg/L	—	NQ	11-1343	CAMO-11-4599	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	164	—	—	0.453	mg/L	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	159	—	—	0.45	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	156	—	—	0.45	mg/L	—	NQ	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.2	—	—	0.11	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.1	—	—	0.11	mg/L	—	NQ	11-1343	CAMO-11-4599	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	7.69	—	—	2	µg/L	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	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	U	U	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	U	U	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	U	U	11-1343	CAMO-11-4599	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	µg/L	—	NQ	12-1091	CAMO-12-12027	GELC
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.734	—	—	0.17	µg/L	—	NQ	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.856	—	—	0.17	µg/L	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.771	—	—	0.17	µg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.86	—	—	0.17	µg/L	—	U	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.9	—	—	0.5	µg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	20.9	—	—	0.5	µg/L	—	NQ	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.82	—	—	0.05	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.58	—	—	0.1	mg/L	—	NQ	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.996	—	—	0.05	µg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.997	—	—	0.05	µg/L	—	NQ	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.79	—	—	0.05	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.8	—	—	0.05	mg/L	—	NQ	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74	—	—	0.053	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.5	—	—	0.053	mg/L	—	NQ	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.5	—	—	0.1	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.6	—	—	0.1	mg/L	—	NQ	11-1343	CAMO-11-4599	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	442	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	407	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	394	—	—	1	µS/cm	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	404	—	—	1	µS/cm	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	407	—	—	1	µS/cm	—	NQ	11-1343	CAMO-11-4599	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	179	—	—	1	µg/L	—	NQ	12-1091	CAMO-12-12027	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	185	—	—	1	µg/L	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	166	—	—	1	µg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	169	—	—	1	µg/L	—	NQ	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	50.7	—	—	0.5	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	47.5	—	—	1	mg/L	—	NQ	11-1343	CAMO-11-4599	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	293	—	—	2.4	mg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	306	—	—	2.4	mg/L	—	NQ	11-1343	CAMO-11-4599	GELC
R-28	934.3	03/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.158	—	—	0.035	mg/L	—	NQ	12-1091	CAMO-12-12018	GELC
R-28	934.3	11/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	U	UJ	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	U	UJ	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.114	—	—	0.035	mg/L	—	NQ	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	U	UJ	11-1343	CAMO-11-4598	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	—	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	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	J	J	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.705	—	—	0.33	mg/L	J	J	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.714	—	—	0.33	mg/L	J	J	11-1343	CAMO-11-4598	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.36	—	—	0.067	µg/L	—	J	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.36	—	—	0.067	µg/L	—	NQ	11-1343	CAMO-11-4599	GELC
R-28	934.3	03/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.56	—	—	1	µg/L	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	—	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	J	J	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.5	—	—	1	µg/L	—	NQ	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.86	—	—	1	µg/L	J	J	11-1343	CAMO-11-4599	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	—	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	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	J	J	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.86	—	—	3.3	µg/L	J	J	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	U	U	11-1343	CAMO-11-4599	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.44	—	—	0.01	SU	H	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.03	—	—	0.01	SU	H	J-	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.39	—	—	0.01	SU	H	J-	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.65	—	—	0.01	SU	H	J-	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.75	—	—	0.01	SU	H	J-	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.4	—	—	0.725	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.7	—	—	0.73	mg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.6	—	—	0.73	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.4	—	—	0.73	mg/L	—	NQ	11-2608	CASA-11-10817	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.1	—	—	0.73	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.2	—	—	1	µg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	35.3	—	—	1	µg/L	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.4	—	—	1	µg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.7	—	—	1	µg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.9	—	—	1	µg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.1	—	—	15	µg/L	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.2	—	—	15	µg/L	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.2	—	—	15	µg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.6	—	—	15	µg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.9	—	—	15	µg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0752	—	—	0.066	mg/L	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.101	—	—	0.066	mg/L	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.107	—	—	0.066	mg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.115	—	—	0.066	mg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.111	—	—	0.066	mg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.7	—	—	0.05	mg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.3	—	—	0.05	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.2	—	—	0.05	mg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.75	—	—	0.066	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.05	—	—	0.066	mg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.85	—	—	0.066	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.79	—	—	0.066	mg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.97	—	—	0.066	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.74	—	—	2	µg/L	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.35	—	—	2	µg/L	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.48	—	—	2	µg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.89	—	—	2	µg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.24	—	—	2	µg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.542	—	—	0.033	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.402	—	—	0.033	mg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.496	—	—	0.033	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.562	—	—	0.033	mg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.614	—	—	0.033	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.8	—	—	0.453	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.45	mg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.3	—	—	0.45	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.4	—	—	0.45	mg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.9	—	—	0.45	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.2	—	—	0.11	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.39	—	—	0.11	mg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.38	—	—	0.11	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4	—	—	0.11	mg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.18	—	—	0.11	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.55	—	—	2	µg/L	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.05	—	—	2	µg/L	J	J	12-366	CASA-12-1390	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	U	U	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	U	U	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	U	U	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.91	—	—	0.165	µg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.82	—	—	0.17	µg/L	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.23	—	—	0.17	µg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.7	—	—	0.17	µg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.77	—	—	0.17	µg/L	—	J	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.19	—	—	0.5	µg/L	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.601	—	—	0.5	µg/L	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.71	—	—	0.5	µg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.43	—	—	0.5	µg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.74	—	—	0.5	µg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.25	—	—	0.05	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.14	—	—	0.1	mg/L	—	R	12-366	CASA-12-1390	GELC
R-36	766.9	11/16/11	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.29	—	—	0.085	mg/L	H	NQ	12-366-1	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.26	—	—	0.1	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.71	—	—	0.05	mg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.07	—	—	0.1	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.58	—	—	0.2	µg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.845	—	—	0.05	µg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.55	—	—	0.25	µg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.64	—	—	0.2	µg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.68	—	—	0.2	µg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.01	—	—	0.05	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.03	—	—	0.05	mg/L	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.03	—	—	0.05	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.94	—	—	0.05	mg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.92	—	—	0.05	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.6	—	—	0.053	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.4	—	—	0.053	mg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.6	—	—	0.053	mg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.4	—	—	0.053	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.6	—	—	0.1	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.9	—	—	0.1	mg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.3	—	—	0.1	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.9	—	—	0.1	mg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14	—	—	0.1	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	191	—	—	1	µS/cm	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	222	—	—	1	µS/cm	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	196	—	—	1	µS/cm	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	194	—	—	1	µS/cm	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	186	—	—	1	µS/cm	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70	—	—	1	µg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	71.7	—	—	1	µg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	72.4	—	—	1	µg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	62.8	—	—	1	µg/L	—	NQ	11-2608	CASA-11-10817	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	69.3	—	—	1	µg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.76	—	—	0.1	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.82	—	—	0.1	mg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.65	—	—	0.1	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.88	—	—	0.1	mg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.23	—	—	0.1	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	—	—	3.4	mg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	193	—	—	3.4	mg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	168	—	—	2.4	mg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	2.4	mg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.675	—	—	0.33	mg/L	J	J	12-1064	CASA-12-12037	GELC
R-36	766.9	11/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	U	U	12-365	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.63	—	—	0.33	mg/L	J	J	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.641	—	—	0.33	mg/L	J	J	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.01	—	—	0.33	mg/L	—	NQ	11-1456	CASA-11-4565	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0189	—	—	0.015	mg/L	J	J	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	U	U	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.157	—	—	0.015	mg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0224	—	—	0.015	mg/L	J	U	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0254	—	—	0.015	mg/L	J	U	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.318	—	—	0.067	µg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.315	—	—	0.067	µg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.322	—	—	0.067	µg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.316	—	—	0.067	µg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.337	—	—	0.067	µg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	15	—	—	1	µg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.7	—	—	1	µg/L	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.5	—	—	1	µg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.8	—	—	1	µg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.5	—	—	1	µg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-36	766.9	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	50.6	—	—	3.3	µg/L	—	NQ	12-1064	CASA-12-12038	GELC
R-36	766.9	11/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	50.7	—	—	3.3	µg/L	—	NQ	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	56.5	—	—	3.3	µg/L	—	NQ	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	50.4	—	—	3.3	µg/L	—	NQ	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	55.5	—	—	3.3	µg/L	—	NQ	11-1456	CASA-11-4566	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.75	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.55	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.63	—	—	0.01	SU	H	J-	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.71	—	—	0.01	SU	H	J-	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.55	—	—	0.01	SU	H	J-	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.1	—	—	0.73	mg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.5	—	—	0.73	mg/L	—	NQ	11-1402	CAMO-11-4600	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	—	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	U	UJ	12-323	CAMO-12-1490	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	Lab Qual	2nd Qual	Request	Sample	Lab
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	U	U	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0386	—	—	0.016	mg/L	J	U	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.036	—	—	0.016	mg/L	J	J-	11-1402	CAMO-11-4600	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	95.5	—	—	1	µg/L	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	89.4	—	—	1	µg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	93.7	—	—	1	µg/L	—	NQ	11-1402	CAMO-11-4600	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.6	—	—	15	µg/L	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	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	J	J	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.2	—	—	15	µg/L	J	J	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.9	—	—	15	µg/L	J	J	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.201	—	—	0.066	mg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.202	—	—	0.066	mg/L	—	NQ	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	50.7	—	—	0.05	mg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	49.2	—	—	0.05	mg/L	—	NQ	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	37.9	—	—	0.33	mg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	37.5	—	—	0.33	mg/L	—	NQ	11-1402	CAMO-11-4600	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	969	—	—	2	µg/L	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	891	—	—	2	µg/L	E	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	929	—	—	2	µg/L	E	NQ	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.276	—	—	0.033	mg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.266	—	—	0.033	mg/L	—	J-	11-1402	CAMO-11-4600	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	193	—	—	0.453	mg/L	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	184	—	—	0.45	mg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	180	—	—	0.45	mg/L	—	NQ	11-1402	CAMO-11-4600	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	13.8	—	—	0.11	mg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	13.8	—	—	0.11	mg/L	—	NQ	11-1402	CAMO-11-4600	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.078	—	—	0.066	µg/L	J	J-	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.066	µg/L	U	U	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.066	µg/L	U	U	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.066	µg/L	U	U	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.066	µg/L	U	U	11-1402	CAMO-11-4600	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.554	—	—	0.165	µg/L	—	NQ	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.497	—	—	0.17	µg/L	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.569	—	—	0.17	µg/L	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.467	—	—	0.17	µg/L	J	J	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.612	—	—	0.17	µg/L	—	U	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	23.1	—	—	0.5	µg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	29.6	—	—	0.5	µg/L	—	NQ	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.057	—	—	0.05	mg/L	J	J	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.98	—	—	0.1	mg/L	—	NQ	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.27	—	—	0.1	µg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.37	—	—	0.1	µg/L	—	NQ	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.64	—	—	0.05	mg/L	E	J	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.45	—	—	0.05	mg/L	—	NQ	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.9	—	—	0.053	mg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.7	—	—	0.053	mg/L	—	NQ	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.5	—	—	0.1	mg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	—	NQ	11-1402	CAMO-11-4600	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	465	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	473	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	454	—	—	1	µS/cm	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	473	—	—	1	µS/cm	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	450	—	—	1	µS/cm	—	NQ	11-1402	CAMO-11-4600	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	203	—	—	1	µg/L	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	187	—	—	1	µg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	192	—	—	1	µg/L	—	NQ	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	75.1	—	—	0.5	mg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	74.5	—	—	0.5	mg/L	—	NQ	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	334	—	—	2.4	mg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	340	—	—	2.4	mg/L	—	NQ	11-1402	CAMO-11-4600	GELC
R-42	931.8	03/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.104	—	—	0.035	mg/L	—	NQ	12-1066	CAMO-12-12020	GELC
R-42	931.8	11/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0742	—	—	0.035	mg/L	J	J	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0823	—	—	0.035	mg/L	J	U	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.218	—	—	0.035	mg/L	—	NQ	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.073	—	—	0.033	mg/L	J	J-	11-1402	CAMO-11-4601	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	—	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	—	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	J	J	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.13	—	—	0.33	mg/L	—	NQ	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.35	—	—	0.33	mg/L	—	NQ	11-1402	CAMO-11-4601	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0268	—	—	0.015	mg/L	J	J	12-1066	CAMO-12-12029	GELC
R-42	931.8	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	U	U	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.28	—	—	0.015	mg/L	—	J	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0606	—	—	0.015	mg/L	—	U	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	U	U	11-1402	CAMO-11-4600	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	—	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	—	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.617	—	—	0.067	µg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.629	—	—	0.067	µg/L	—	NQ	11-1402	CAMO-11-4600	GELC
R-42	931.8	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.68	—	—	1	µg/L	—	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	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	J	J	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	4.53	—	—	1	µg/L	J	U	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.6	—	—	1	µg/L	—	NQ	11-1402	CAMO-11-4600	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	—	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	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	—	NQ	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14.2	—	—	3.3	µg/L	—	NQ	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	19.5	—	—	3.3	µg/L	—	NQ	11-1402	CAMO-11-4600	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.18	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	8.16	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	8.18	—	—	0.01	SU	H	J-	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.9	—	—	0.01	SU	H	J-	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.02	—	—	0.01	SU	H	J-	11-1436	CASA-11-4568	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	—	NQ	12-1075	CASA-12-11714	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	Lab Qual	2nd Qual	Request	Sample	Lab
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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	39	—	—	0.73	mg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	39.8	—	—	0.73	mg/L	—	NQ	11-1436	CASA-11-4568	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	—	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	—	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	—	J	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	20.5	—	—	1	µg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22	—	—	1	µg/L	—	NQ	11-1436	CASA-11-4568	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.08	—	—	0.066	mg/L	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.127	—	—	0.066	mg/L	J	J	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0902	—	—	0.066	mg/L	J	J	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.107	—	—	0.066	mg/L	J	J	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	—	NQ	11-1436	CASA-11-4568	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	—	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	—	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	—	J+	11-3244	CASA-11-24784	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	—	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	—	J+	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.4	—	—	0.066	mg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.66	—	—	0.066	mg/L	—	NQ	11-1436	CASA-11-4568	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	—	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	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	22.8	—	—	2	µg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16	—	—	2	µg/L	—	NQ	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.353	—	—	0.033	mg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.375	—	—	0.033	mg/L	—	NQ	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57	—	—	0.45	mg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.1	—	—	0.45	mg/L	—	NQ	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.64	—	—	0.11	mg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.81	—	—	0.11	mg/L	—	NQ	11-1436	CASA-11-4568	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	—	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	—	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	—	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.17	µg/L	—	J	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.17	µg/L	—	J	11-1436	CASA-11-4568	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	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	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.855	—	—	0.5	µg/L	J	J	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.71	—	—	0.5	µg/L	J	J	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.5	—	—	0.05	mg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.42	—	—	0.1	mg/L	—	NQ	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.955	—	—	0.05	µg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.964	—	—	0.1	µg/L	—	NQ	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.28	—	—	0.05	mg/L	—	J	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.3	—	—	0.05	mg/L	—	J	11-1436	CASA-11-4568	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	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	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	J	J	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.81	—	—	1.5	µg/L	J	J	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.86	—	—	1.5	µg/L	J	J	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.6	—	—	0.053	mg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.9	—	—	0.053	mg/L	—	NQ	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.2	—	—	0.1	mg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11	—	—	0.1	mg/L	—	NQ	11-1436	CASA-11-4568	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	182	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	175	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	180	—	—	1	µS/cm	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	172	—	—	1	µS/cm	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	170	—	—	1	µS/cm	—	NQ	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	63	—	—	1	µg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.2	—	—	1	µg/L	—	NQ	11-1436	CASA-11-4568	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	—	NQ	12-1075	CASA-12-11714	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	Lab Qual	2nd Qual	Request	Sample	Lab
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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.3	—	—	0.1	mg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.9	—	—	0.1	mg/L	—	NQ	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	157	—	—	2.4	mg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	178	—	—	2.4	mg/L	—	NQ	11-1436	CASA-11-4568	GELC
R-43 S1	903.9	03/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0807	—	—	0.035	mg/L	J	J-	12-1075	CASA-12-11710	GELC
R-43 S1	903.9	11/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	U	UJ	12-345	CASA-12-1391	GELC
R-43 S1	903.9	08/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0865	—	—	0.035	mg/L	J	U	11-3244	CASA-11-24785	GELC
R-43 S1	903.9	05/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.18	mg/L	U	UJ	11-2459	CASA-11-10818	GELC
R-43 S1	903.9	02/23/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	U	U	11-1436	CASA-11-4567	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	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	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	U	U	11-3244	CASA-11-24785	GELC
R-43 S1	903.9	05/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.343	—	—	0.33	mg/L	J	J	11-2459	CASA-11-10818	GELC
R-43 S1	903.9	02/23/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.6	—	—	0.33	mg/L	J	J	11-1436	CASA-11-4567	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	—	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	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	—	U	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0376	—	—	0.015	mg/L	J	U	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	U	U	11-1436	CASA-11-4568	GELC
R-43 S1	903.9	03/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.104	—	—	0.067	µg/L	J	J	12-1075	CASA-12-11714	GELC
R-43 S1	903.9	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.076	—	—	0.067	µg/L	J	J	12-346	CASA-12-1393	GELC
R-43 S1	903.9	08/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.074	—	—	0.067	µg/L	J	J	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.096	—	—	0.067	µg/L	J	J	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.122	—	—	0.067	µg/L	J	J	11-1436	CASA-11-4568	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	—	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	—	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	—	NQ	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.63	—	—	1	µg/L	—	NQ	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.93	—	—	1	µg/L	—	NQ	11-1436	CASA-11-4568	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	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	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	J	J	11-3244	CASA-11-24784	GELC
R-43 S1	903.9	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	U	U	11-2459	CASA-11-10819	GELC
R-43 S1	903.9	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	U	U	11-1436	CASA-11-4568	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.63	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	8.63	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	8.64	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	8.6	—	—	0.01	SU	H	J-	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.37	—	—	0.01	SU	H	J-	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.7	—	—	0.01	SU	H	J-	11-1423	CASA-11-4569	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	—	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	—	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	—	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	Lab Qual	2nd Qual	Request	Sample	Lab
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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.73	mg/L	U	U	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.73	mg/L	U	U	11-1423	CASA-11-4569	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	—	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	—	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.1	—	—	0.73	mg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.7	—	—	0.73	mg/L	—	NQ	11-1423	CASA-11-4569	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	—	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	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	—	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	—	J	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15	—	—	1	µg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.2	—	—	1	µg/L	—	NQ	11-1423	CASA-11-4569	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	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	J	J	12-346	CASA-12-1398	GELC
R-43 S2	969.1	11/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	36.8	—	—	15	µg/L	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	J	J	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	40.3	—	—	15	µg/L	J	J	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	35.8	—	—	15	µg/L	J	J	11-1423	CASA-11-4569	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	—	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	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.6	—	—	0.05	mg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.6	—	—	0.05	mg/L	—	NQ	11-1423	CASA-11-4569	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	—	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	—	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	—	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	—	J+	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.41	—	—	0.066	mg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.56	—	—	0.066	mg/L	—	NQ	11-1423	CASA-11-4569	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	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	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	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	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	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	J	J	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.29	—	—	2	µg/L	J	J	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	U	U	11-1423	CASA-11-4569	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	—	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	—	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.294	—	—	0.033	mg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.344	—	—	0.033	mg/L	—	NQ	11-1423	CASA-11-4569	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.6	—	—	0.453	mg/L	—	NQ	12-1076	CASA-12-11715	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	N	1.24	—	—	0.45	mg/L	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.1	—	—	0.45	mg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.1	—	—	0.45	mg/L	—	NQ	11-1423	CASA-11-4569	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	—	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	—	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	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.5	—	—	0.11	mg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.18	—	—	0.11	mg/L	—	NQ	11-1423	CASA-11-4569	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	—	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	—	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.97	—	—	0.17	µg/L	—	J	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.26	—	—	0.17	µg/L	—	NQ	11-1423	CASA-11-4569	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	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	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	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	J	J	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.635	—	—	0.5	µg/L	J	J	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.34	—	—	0.5	µg/L	J	J	11-1423	CASA-11-4569	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	—	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	—	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.995	—	—	0.05	mg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.829	—	—	0.1	mg/L	—	NQ	11-1423	CASA-11-4569	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	—	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	—	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.418	—	—	0.05	µg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.447	—	—	0.05	µg/L	—	NQ	11-1423	CASA-11-4569	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	—	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	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.64	—	—	0.05	mg/L	—	J	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.5	—	—	0.05	mg/L	—	NQ	11-1423	CASA-11-4569	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	—	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	—	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.3	—	—	0.053	mg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.2	—	—	0.053	mg/L	—	NQ	11-1423	CASA-11-4569	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	—	NQ	12-1076	CASA-12-11715	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	Lab Qual	2nd Qual	Request	Sample	Lab
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	—	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	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18	—	—	0.1	mg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.8	—	—	0.1	mg/L	—	NQ	11-1423	CASA-11-4569	GELC
R-43 S2	969.1	03/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	191	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	187	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	187	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	181	—	—	1	µS/cm	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	187	—	—	1	µS/cm	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	180	—	—	1	µS/cm	—	NQ	11-1423	CASA-11-4569	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	—	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	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	94.5	—	—	1	µg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	91.4	—	—	1	µg/L	—	NQ	11-1423	CASA-11-4569	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	—	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	—	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	—	NQ	12-346	CASA-12-1398	GELC
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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.09	—	—	0.1	mg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.21	—	—	0.1	mg/L	—	NQ	11-1423	CASA-11-4569	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	—	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	—	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	2.4	mg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	604	—	—	9.5	mg/L	—	NQ	11-1423	CASA-11-4569	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	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	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	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	U	U	11-3244	CASA-11-24787	GELC
R-43 S2	969.1	05/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.354	—	—	0.33	mg/L	J	J	11-2459	CASA-11-10820	GELC
R-43 S2	969.1	02/22/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.735	—	—	0.33	mg/L	J	J	11-1423	CASA-11-4570	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	—	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	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	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	—	U	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.039	—	—	0.015	mg/L	J	U	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.018	—	—	0.015	mg/L	J	U	11-1423	CASA-11-4569	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	—	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	—	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.972	—	—	0.067	µg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.24	—	—	0.067	µg/L	—	NQ	11-1423	CASA-11-4569	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	—	NQ	12-1076	CASA-12-11715	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	11/15/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	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	—	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	—	NQ	11-3244	CASA-11-24786	GELC
R-43 S2	969.1	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.85	—	—	1	µg/L	—	NQ	11-2459	CASA-11-10821	GELC
R-43 S2	969.1	02/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.48	—	—	1	µg/L	—	NQ	11-1423	CASA-11-4569	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.84	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.84	—	—	0.01	SU	H	J-	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.92	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.88	—	—	0.01	SU	H	J-	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.86	—	—	0.01	SU	H	J-	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.82	—	—	0.01	SU	H	J-	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.88	—	—	0.01	SU	H	J-	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.9	—	—	0.01	SU	H	J-	11-1433	CAMO-11-4610	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	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.4	—	—	0.73	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.9	—	—	0.73	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.5	—	—	0.73	mg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.5	—	—	0.73	mg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.6	—	—	1	µg/L	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.2	—	—	1	µg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.3	—	—	1	µg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.7	—	—	1	µg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.1	—	—	1	µg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.6	—	—	15	µg/L	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	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	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	J	J	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.3	—	—	15	µg/L	J	J	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.7	—	—	15	µg/L	J	J	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.1	—	—	15	µg/L	J	J	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	17.6	—	—	15	µg/L	J	J	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0691	—	—	0.066	mg/L	J	J	12-1066	CAMO-12-12030	GELC
R-50 S1	1077	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0849	—	—	0.066	mg/L	J	J	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0874	—	—	0.066	mg/L	J	J	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0811	—	—	0.066	mg/L	J	J	11-1433	CAMO-11-4615	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24676	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15	—	—	0.05	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.1	—	—	0.05	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.1	—	—	0.05	mg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.6	—	—	0.05	mg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.08	—	—	0.066	mg/L	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.94	—	—	0.066	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.96	—	—	0.066	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.62	—	—	0.066	mg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.53	—	—	0.066	mg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	99.8	—	—	2	µg/L	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	79	—	—	2	µg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	81	—	—	2	µg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	78.8	—	—	2	µg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	77.7	—	—	2	µg/L	—	NQ	11-1433	CAMO-11-4615	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	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.36	—	—	0.033	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.357	—	—	0.033	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.331	—	—	0.033	mg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.34	—	—	0.033	mg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.1	—	—	0.453	mg/L	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.9	—	—	0.45	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.1	—	—	0.45	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.1	—	—	0.45	mg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55	—	—	0.45	mg/L	—	NQ	11-1433	CAMO-11-4615	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	—	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	—	J	12-384	CAMO-12-1504	GELC
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.29	—	—	0.11	mg/L	—	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	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.28	—	—	0.11	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.54	—	—	0.11	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.5	—	—	0.11	mg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.36	—	—	0.11	mg/L	—	NQ	11-1433	CAMO-11-4610	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24671	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.29	—	—	0.17	µg/L	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.46	—	—	0.17	µg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.46	—	—	0.17	µg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.84	—	—	0.17	µg/L	—	J	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.77	—	—	0.17	µg/L	—	J	11-1433	CAMO-11-4615	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	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.59	—	—	0.5	µg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.83	—	—	0.5	µg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.3	—	—	0.5	µg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.15	—	—	0.5	µg/L	—	NQ	11-1433	CAMO-11-4615	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	—	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	—	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	—	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	—	J	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.46	—	—	0.05	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.46	—	—	0.05	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.42	—	—	0.1	mg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.42	—	—	0.1	mg/L	—	NQ	11-1433	CAMO-11-4615	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	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.565	—	—	0.05	µg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.532	—	—	0.05	µg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.551	—	—	0.05	µg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.557	—	—	0.05	µg/L	—	NQ	11-1433	CAMO-11-4610	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	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.43	—	—	0.05	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.31	—	—	0.05	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.26	—	—	0.05	mg/L	—	J	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.33	—	—	0.05	mg/L	—	J	11-1433	CAMO-11-4615	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	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.5	—	—	0.053	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.7	—	—	0.053	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.6	—	—	0.053	mg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.6	—	—	0.053	mg/L	—	NQ	11-1433	CAMO-11-4610	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24676	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.8	—	—	0.1	mg/L	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.7	—	—	0.1	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.5	—	—	0.1	mg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.8	—	—	0.1	mg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	179	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	177	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	169	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	170	—	—	1	µS/cm	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	182	—	—	1	µS/cm	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	171	—	—	1	µS/cm	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	178	—	—	1	µS/cm	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	179	—	—	1	µS/cm	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61.6	—	—	1	µg/L	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	57.1	—	—	1	µg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.9	—	—	1	µg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.8	—	—	1	µg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.7	—	—	1	µg/L	—	NQ	11-1433	CAMO-11-4610	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	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.9	—	—	0.1	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.9	—	—	0.1	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12	—	—	0.1	mg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.9	—	—	0.1	mg/L	—	NQ	11-1433	CAMO-11-4615	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	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	2.4	mg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	168	—	—	2.4	mg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	2.4	mg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	182	—	—	2.4	mg/L	—	NQ	11-1433	CAMO-11-4610	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	—	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	—	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	—	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	—	NQ	11-3042	CAMO-11-24671	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.58	—	—	0.067	µg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.6	—	—	0.067	µg/L	—	NQ	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.695	—	—	0.067	µg/L	—	NQ	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.695	—	—	0.067	µg/L	—	NQ	11-1433	CAMO-11-4615	GELC
R-50 S1	1077	03/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.72	—	—	1	µg/L	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	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	J	J	11-3042	CAMO-11-24671	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.51	—	—	1	µg/L	J	J	11-3042	CAMO-11-24676	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.35	—	—	1	µg/L	—	NQ	11-2548	CAMO-11-10719	GELC
R-50 S1	1077	05/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.33	—	—	1	µg/L	J	J	11-2548	CAMO-11-10723	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.24	—	—	1	µg/L	J	J	11-1433	CAMO-11-4610	GELC
R-50 S1	1077	02/23/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.14	—	—	1	µg/L	J	J	11-1433	CAMO-11-4615	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.1	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.95	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	8.03	—	—	0.01	SU	H	J-	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.87	—	—	0.01	SU	H	J-	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.12	—	—	0.01	SU	H	J-	11-1440	CAMO-11-4618	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	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.5	—	—	0.73	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.73	mg/L	—	NQ	11-1440	CAMO-11-4618	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.9	—	—	1	µg/L	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.7	—	—	1	µg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.3	—	—	1	µg/L	—	NQ	11-1440	CAMO-11-4618	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.3	—	—	15	µg/L	J	J	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	U	U	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.5	—	—	15	µg/L	J	J	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	U	U	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.7	—	—	15	µg/L	J	J	11-1440	CAMO-11-4618	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	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.9	—	—	0.05	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.8	—	—	0.05	mg/L	—	NQ	11-1440	CAMO-11-4618	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	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.08	—	—	0.066	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.21	—	—	0.066	mg/L	—	NQ	11-1440	CAMO-11-4618	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.77	—	—	2	µg/L	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	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	J	J	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	U	U	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.83	—	—	2	µg/L	J	J	11-1440	CAMO-11-4618	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	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.429	—	—	0.033	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.399	—	—	0.033	mg/L	—	NQ	11-1440	CAMO-11-4618	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.9	—	—	0.453	mg/L	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.6	—	—	0.45	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.4	—	—	0.45	mg/L	—	NQ	11-1440	CAMO-11-4618	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	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.72	—	—	0.11	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.12	—	—	0.11	mg/L	—	NQ	11-1440	CAMO-11-4618	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	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.48	—	—	0.17	µg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.5	—	—	0.17	µg/L	—	J	11-1440	CAMO-11-4618	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	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	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	J	J	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.03	—	—	0.5	µg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.38	—	—	0.5	µg/L	—	NQ	11-1440	CAMO-11-4618	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	—	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	—	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	—	J	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.56	—	—	0.05	mg/L	—	J+	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.648	—	—	0.1	mg/L	—	NQ	11-1440	CAMO-11-4618	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	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.342	—	—	0.05	µg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.332	—	—	0.05	µg/L	—	NQ	11-1440	CAMO-11-4618	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	—	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	—	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	—	J	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.31	—	—	0.05	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.45	—	—	0.05	mg/L	—	NQ	11-1440	CAMO-11-4618	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	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.4	—	—	0.053	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.9	—	—	0.053	mg/L	—	NQ	11-1440	CAMO-11-4618	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.2	—	—	0.1	mg/L	—	NQ	11-1440	CAMO-11-4618	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	137	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	138	—	—	1	µS/cm	—	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 or Electrical Conductivity	SPEC_CONDC	Y	134	—	—	1	µS/cm	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	143	—	—	1	µS/cm	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	133	—	—	1	µS/cm	—	NQ	11-1440	CAMO-11-4618	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.6	—	—	1	µg/L	—	NQ	12-1061	CAMO-12-12031	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	11/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.7	—	—	1	µg/L	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.1	—	—	1	µg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	55.7	—	—	1	µg/L	—	NQ	11-1440	CAMO-11-4618	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	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.76	—	—	0.1	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.76	—	—	0.1	mg/L	—	NQ	11-1440	CAMO-11-4618	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	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	142	—	—	2.4	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	2.4	mg/L	—	NQ	11-1440	CAMO-11-4618	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	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	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	U	U	11-3082	CAMO-11-24679	GELC
R-50 S2	1185	05/24/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.528	—	—	0.33	mg/L	J	J	11-2524	CAMO-11-10726	GELC
R-50 S2	1185	02/24/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.397	—	—	0.33	mg/L	J	J	11-1440	CAMO-11-4617	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0228	—	—	0.015	mg/L	J	J	12-1061	CAMO-12-12031	GELC
R-50 S2	1185	11/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	U	UJ	12-440	CAMO-12-1808	GELC
R-50 S2	1185	08/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.129	—	—	0.015	mg/L	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0873	—	—	0.015	mg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.06	—	—	0.015	mg/L	—	U	11-1440	CAMO-11-4618	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	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.739	—	—	0.067	µg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.75	—	—	0.067	µg/L	—	NQ	11-1440	CAMO-11-4618	GELC
R-50 S2	1185	03/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.08	—	—	1	µg/L	—	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	—	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	—	NQ	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.83	—	—	1	µg/L	—	NQ	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.97	—	—	1	µg/L	—	NQ	11-1440	CAMO-11-4618	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	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	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	J	J	11-3082	CAMO-11-24680	GELC
R-50 S2	1185	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.56	—	—	3.3	µg/L	J	J	11-2527	CAMO-11-10727	GELC
R-50 S2	1185	02/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.53	—	—	3.3	µg/L	J	J	11-1440	CAMO-11-4618	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	4.79	—	—	3.5	µg/L	J	J	12-734	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	3.74	—	—	3.5	µg/L	J	J	12-424	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	Y	4.3	—	—	3.5	µg/L	J	J	12-411	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	78.1	—	—	3.5	µg/L	—	J	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	Y	75.6	—	—	3.5	µg/L	—	J	11-3263	CAMO-11-24699	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3.5	µg/L	U	UJ	11-2469	CAMO-11-11687	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3.5	µg/L	U	UJ	11-2469	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.34	—	—	0.01	SU	H	J-	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.44	—	—	0.01	SU	H	J-	12-412	CAMO-12-1510	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.41	—	—	0.01	SU	H	J-	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.34	—	—	0.01	SU	H	J-	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.56	—	—	0.01	SU	H	J-	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.3	—	—	0.73	mg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.2	—	—	0.73	mg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.7	—	—	0.73	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90.7	—	—	0.73	mg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.2	—	—	0.73	mg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00514	0.0036	0.052	—	pCi/L	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00465	0.0033	0.042	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0104	0.0047	0.038	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0098	0.0052	0.033	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00197	0.0044	0.04	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0233	—	—	0.016	mg/L	J	J	12-734	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0193	—	—	0.016	mg/L	J	J	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	U	UJ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0315	—	—	0.016	mg/L	J	U	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.5	—	—	1	µg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	47	—	—	1	µg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	47.6	—	—	1	µg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	61.6	—	—	1	µg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.2	—	—	1	µg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.5	—	—	15	µg/L	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	µg/L	J	J	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.3	—	—	15	µg/L	J	J	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.7	—	—	15	µg/L	J	J	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.1	—	—	15	µg/L	J	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0934	—	—	0.066	mg/L	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.4	—	—	0.05	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.5	—	—	0.05	mg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.05	1.3	4.6	—	pCi/L	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.572	1.5	5.6	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.6	1.3	5.1	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0929	1.2	3.7	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.61	1.4	4.3	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.05	—	—	0.066	mg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.05	—	—	0.066	mg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.06	—	—	0.066	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.35	—	—	0.066	mg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.59	—	—	0.066	mg/L	—	NQ	11-2470	CAMO-11-10853	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.03	—	—	2	µg/L	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.84	—	—	2	µg/L	J	J	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.68	—	—	2	µg/L	J	J	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16.8	—	—	2	µg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.8	—	—	1	µg/L	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	2.34	—	—	1	µg/L	J	J	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Cobalt	Co	Y	2.33	—	—	1	µg/L	J	J	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	2.85	—	—	1	µg/L	J	J	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	U	U	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.07	1.3	4.3	—	pCi/L	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.3	1.5	6.4	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.16	1.2	5.7	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.95	1.4	4.7	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.642	1.7	4.9	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.329	—	—	0.033	mg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.318	—	—	0.033	mg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.326	—	—	0.033	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.303	—	—	0.033	mg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.324	—	—	0.033	mg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.77	1	2.3	—	pCi/L	—	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	2.35	0.97	2.4	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	4.25	1.3	2.5	—	pCi/L	—	NQ	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.18	0.71	2.2	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.575	0.57	2	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.431	0.56	2	—	pCi/L	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.56	0.74	2.2	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.44	0.76	2.4	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.75	0.98	2.9	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.743	0.57	2.5	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.4	—	—	0.45	mg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.5	—	—	0.45	mg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.3	—	—	0.45	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.3	—	—	0.45	mg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.7	—	—	0.45	mg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1150	—	—	30	µg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	Y	920	—	—	30	µg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	909	—	—	30	µg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	2550	—	—	30	µg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	35.3	—	—	30	µg/L	J	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.02	—	—	0.11	mg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.83	—	—	0.11	mg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.82	—	—	0.11	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.69	—	—	0.11	mg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.36	—	—	0.11	mg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	554	—	—	2	µg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	902	—	—	2	µg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	914	—	—	2	µg/L	—	NQ	12-412	CAMO-12-1515	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	1100	—	—	2	µg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	113	—	—	2	µg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.73	—	—	0.17	µg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.67	—	—	0.17	µg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.49	—	—	0.17	µg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	14.6	—	—	0.17	µg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.06	—	—	0.17	µg/L	—	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.47	2.9	10	—	pCi/L	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.67	2.7	9	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.51	3.2	12	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.9	2.6	8.3	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.57	—	—	0.5	µg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.34	—	—	0.5	µg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.25	—	—	0.5	µg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.02	—	—	0.5	µg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.68	—	—	0.5	µg/L	J	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.68	—	—	0.05	mg/L	—	NQ	12-734	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.55	—	—	0.05	mg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.41	—	—	0.05	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.427	—	—	0.01	mg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.32	—	—	0.05	mg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.37	—	—	0.5	µg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.96	—	—	0.5	µg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.9	—	—	0.5	µg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.96	—	—	0.25	µg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.54	—	—	0.5	µg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00424	0.003	0.027	—	pCi/L	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00186	0.0032	0.022	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0038	0.0027	0.023	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00225	0.0039	0.021	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00411	0.005	0.025	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00212	0.0056	0.031	—	pCi/L	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0133	0.0051	0.024	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00558	0.0032	0.023	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00225	0.0087	0.034	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00411	0.0029	0.038	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.96	—	—	0.05	mg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.62	—	—	0.05	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.59	—	—	0.05	mg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	—	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	37	17	70	—	pCi/L	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-23.9	15	56	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	26.4	20	82	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.54	14	46	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	28.9	19	43	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.3	—	—	0.053	mg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.6	—	—	0.053	mg/L	—	NQ	12-412	CAMO-12-1515	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.9	—	—	0.053	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.1	—	—	0.053	mg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.6	—	—	0.053	mg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	19.2	—	—	0.1	mg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.9	—	—	0.1	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.9	—	—	0.1	mg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.1	—	—	0.1	mg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18	—	—	0.1	mg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.11	1.3	5.1	—	pCi/L	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.551	1.2	5	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.291	1.3	5	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.34	1.4	4.1	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.219	1.4	4.7	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	165	—	—	1	µS/cm	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	177	—	—	1	µS/cm	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	177	—	—	1	µS/cm	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	209	—	—	1	µS/cm	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	168	—	—	1	µS/cm	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.2	—	—	1	µg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.7	—	—	1	µg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.3	—	—	1	µg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	91.5	—	—	1	µg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.1	—	—	1	µg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.141	0.14	0.48	—	pCi/L	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.224	0.15	0.49	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.216	0.13	0.49	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0782	0.14	0.49	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.293	0.13	0.51	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.04	—	—	0.1	mg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.59	—	—	0.1	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.57	—	—	0.1	mg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.27	—	—	0.1	mg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.68	—	—	0.1	mg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	65.7	—	—	3.4	mg/L	—	J	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	2.4	mg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.133	—	—	0.035	mg/L	—	NQ	12-734	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	U	UJ	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	U	U	12-411	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0812	—	—	0.035	mg/L	J	U	11-3264	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.134	—	—	0.035	mg/L	—	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.86	—	—	0.33	mg/L	J	J	12-734	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.14	—	—	0.33	mg/L	—	NQ	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.08	—	—	0.33	mg/L	—	NQ	12-411	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	10.1	—	—	0.33	mg/L	—	NQ	11-3264	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.77	—	—	0.33	mg/L	J	J	11-2470	CAMO-11-10852	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0531	—	—	0.015	mg/L	—	NQ	12-734	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	U	UJ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0642	—	—	0.015	mg/L	—	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.253	—	—	0.015	mg/L	—	J	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_	Tritium	H-3	Y	31.26	4.8	1.85	—	pCi/L	—	NQ	12-736	CAMO-12-2229	ARSL
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_	Tritium	H-3	Y	33.63	5.19	2.46	—	pCi/L	—	NQ	12-436	CAMO-12-1511	ARSL
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_	Tritium	H-3	Y	33.26	5.1	2.05	—	pCi/L	—	NQ	12-436	CAMO-12-1513	ARSL
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_	Tritium	H-3	Y	15.0374	2.4472	2.286	—	pCi/L	—	NQ	11-3305	CAMO-11-24698	ARSL
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_	Tritium	H-3	N	7.8246	1.3846	2.125	—	pCi/L	—	U	11-2531	CAMO-11-10852	ARSL
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1	—	—	0.067	µg/L	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.736	—	—	0.067	µg/L	—	NQ	12-412	CAMO-12-1515	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.73	—	—	0.067	µg/L	—	NQ	12-412	CAMO-12-1510	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.1	—	—	0.067	µg/L	—	NQ	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.715	—	—	0.067	µg/L	—	NQ	11-2470	CAMO-11-10853	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.813	0.066	0.048	—	pCi/L	—	NQ	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.483	0.045	0.049	—	pCi/L	—	NQ	12-412	CAMO-12-1511	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.526	0.047	0.045	—	pCi/L	—	NQ	12-412	CAMO-12-1513	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.576	0.065	0.073	—	pCi/L	—	NQ	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.65	0.065	0.076	—	pCi/L	—	NQ	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0234	0.0087	0.026	—	pCi/L	U	U	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.021	0.008	0.025	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0186	0.0074	0.027	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0198	0.01	0.052	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0109	0.0082	0.059	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.361	0.036	0.037	—	pCi/L	—	NQ	12-735	CAMO-12-2229	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.251	0.027	0.024	—	pCi/L	—	NQ	12-412	CAMO-12-1513	GELC
R-61 S1	1125	11/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.248	0.028	0.027	—	pCi/L	—	NQ	12-412	CAMO-12-1511	GELC
R-61 S1	1125	08/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.312	0.043	0.063	—	pCi/L	—	NQ	11-3263	CAMO-11-24698	GELC
R-61 S1	1125	05/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.32	0.038	0.04	—	pCi/L	—	NQ	11-2470	CAMO-11-10852	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.99	—	—	1	µg/L	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	U	U	12-412	CAMO-12-1510	GELC
R-61 S1	1125	11/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	U	U	12-412	CAMO-12-1515	GELC
R-61 S1	1125	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	U	U	11-3264	CAMO-11-24696	GELC
R-61 S1	1125	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.91	—	—	1	µg/L	J	J	11-2470	CAMO-11-10853	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	5.12	—	—	3.5	µg/L	J	J	12-744	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	5.32	—	—	3.5	µg/L	J	J	12-398	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	Y	6.62	—	—	3.5	µg/L	J	J	11-3277	CAMO-11-24700	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	6.52	—	—	3.5	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3.5	µg/L	U	UJ	11-2501	CAMO-11-11689	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3.5	µg/L	U	UJ	11-2501	CAMO-11-11688	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.25	—	—	0.01	SU	H	J-	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.2	—	—	0.01	SU	H	J-	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.14	—	—	0.01	SU	H	J-	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.81	—	—	0.01	SU	H	J-	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.3	—	—	0.73	mg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.8	—	—	0.73	mg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	94.4	—	—	0.73	mg/L	—	NQ	11-3277	CAMO-11-24702	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.3	—	—	0.73	mg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00204	0.0079	0.041	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00192	0.0051	0.035	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00587	0.0059	0.049	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00172	0.0017	0.035	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.7	—	—	1	µg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.4	—	—	1	µg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	42.2	—	—	1	µg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.9	—	—	1	µg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.5	—	—	15	µg/L	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.2	—	—	15	µg/L	J	J	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	33.2	—	—	15	µg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.7	—	—	15	µg/L	J	J	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0831	—	—	0.066	mg/L	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.9	—	—	0.05	mg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10	—	—	0.05	mg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.37	1.2	4.6	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.76	1.5	5.7	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-6.3	2.2	7.7	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.203	1.6	5.4	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.01	—	—	0.066	mg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.95	—	—	0.066	mg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.18	—	—	0.066	mg/L	—	J+	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.17	—	—	0.066	mg/L	—	J+	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.99	—	—	1	µg/L	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.07	—	—	1	µg/L	J	J	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	2.45	—	—	1	µg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.08	1.2	5.2	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.05	1.7	7	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.515	1.6	5.2	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.89	2	5.8	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.342	—	—	0.033	mg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.31	—	—	0.033	mg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.241	—	—	0.033	mg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.344	—	—	0.033	mg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.147	0.42	2.4	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.293	0.49	2	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.14	0.61	1.7	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.24	0.73	2.2	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.757	0.64	2.2	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.81	0.87	2.3	—	pCi/L	—	NQ	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.69	0.82	2.2	—	pCi/L	—	NQ	11-3277	CAMO-11-24703	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.66	0.89	2.9	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.7	—	—	0.45	mg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.2	—	—	0.45	mg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.1	—	—	0.45	mg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.5	—	—	0.45	mg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	148	—	—	30	µg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1750	—	—	30	µg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	5590	—	—	30	µg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.59	—	—	0.11	mg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.78	—	—	0.11	mg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.48	—	—	0.11	mg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.26	—	—	0.11	mg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	744	—	—	2	µg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	566	—	—	2	µg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	908	—	—	2	µg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	22.2	—	—	2	µg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	4.71	—	—	0.17	µg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	5.76	—	—	0.17	µg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	10.9	—	—	0.17	µg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.6	—	—	0.17	µg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.431	2.8	9.6	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.61	3.1	10	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.24	2.7	8.9	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.34	—	—	0.5	µg/L	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	µg/L	J	J	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.59	—	—	0.5	µg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.278	—	—	0.05	µg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.265	—	—	0.05	µg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.205	—	—	0.05	µg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.306	—	—	0.05	µg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00629	0.007	0.026	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0154	0.0066	0.021	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00255	0.0044	0.026	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0039	0.0039	0.024	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00839	0.0066	0.031	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00683	0.0034	0.021	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0051	0.0062	0.049	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0039	0.0048	0.036	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.34	—	—	0.05	mg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.6	—	—	0.05	mg/L	—	J	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-35.6	17	57	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.14	20	74	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.24	21	74	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.1	20	73	—	pCi/L	U	U	11-2502	CAMO-11-11689	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.1	—	—	0.053	mg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.8	—	—	0.053	mg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.4	—	—	0.053	mg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.9	—	—	0.1	mg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	24.4	—	—	0.1	mg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.323	1.2	4.2	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.05	1.3	4.9	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0637	1.6	5.2	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.01	1.4	5	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	159	—	—	1	µS/cm	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	164	—	—	1	µS/cm	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	203	—	—	1	µS/cm	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	134	—	—	1	µS/cm	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	63.4	—	—	1	µg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	65.1	—	—	1	µg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	81.4	—	—	1	µg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.4	—	—	1	µg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0985	0.14	0.47	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.294	0.15	0.49	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.144	0.15	0.5	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.151	0.14	0.48	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.2	—	—	0.1	mg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.13	—	—	0.1	mg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.85	—	—	0.1	mg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.61	—	—	0.1	mg/L	—	J+	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	3.4	mg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	2.4	mg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.113	—	—	0.035	mg/L	—	NQ	12-744	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.17	—	—	0.035	mg/L	—	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.18	mg/L	U	UJ	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.864	—	—	0.33	mg/L	J	J	12-744	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.49	—	—	0.33	mg/L	—	NQ	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	14.7	—	—	0.33	mg/L	—	J	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.573	—	—	0.33	mg/L	J	J	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0389	—	—	0.015	mg/L	J	J	12-744	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	U	U	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_	Tritium	H-3	N	1.97	0.67	1.89	—	pCi/L	—	U	12-746	CAMO-12-2232	ARSL
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_	Tritium	H-3	N	-1.25	0.64	2.17	—	pCi/L	U	U	12-436	CAMO-12-1516	ARSL
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_	Tritium	H-3	N	0.2898	0.7084	2.351	—	pCi/L	U	U	11-3305	CAMO-11-24703	ARSL
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_	Tritium	H-3	N	-0.3864	0.6118	2.125	—	pCi/L	U	U	11-2531	CAMO-11-11689	ARSL

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.719	—	—	0.067	µg/L	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.759	—	—	0.067	µg/L	—	NQ	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.606	—	—	0.067	µg/L	—	NQ	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.847	—	—	0.067	µg/L	—	NQ	11-2502	CAMO-11-11691	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.497	0.045	0.047	—	pCi/L	—	NQ	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.472	0.044	0.047	—	pCi/L	—	NQ	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.4	0.047	0.06	—	pCi/L	—	NQ	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.552	0.055	0.07	—	pCi/L	—	NQ	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0229	0.0086	0.025	—	pCi/L	U	U	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0155	0.0067	0.026	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0244	0.01	0.043	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.01	0.0089	0.054	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.294	0.031	0.036	—	pCi/L	—	NQ	12-745	CAMO-12-2232	GELC
R-61 S2	1220	11/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.208	0.025	0.026	—	pCi/L	—	NQ	12-399	CAMO-12-1516	GELC
R-61 S2	1220	08/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.266	0.037	0.051	—	pCi/L	—	NQ	11-3277	CAMO-11-24703	GELC
R-61 S2	1220	05/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.349	0.04	0.037	—	pCi/L	—	NQ	11-2502	CAMO-11-11689	GELC
R-61 S2	1220	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.51	—	—	1	µg/L	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220	11/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.07	—	—	1	µg/L	J	J	12-399	CAMO-12-1518	GELC
R-61 S2	1220	08/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	U	U	11-3277	CAMO-11-24702	GELC
R-61 S2	1220	05/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.41	—	—	1	µg/L	J	J	11-2502	CAMO-11-11691	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.3	—	—	0.01	SU	H	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.5	—	—	0.725	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00871	0.00435	0.039	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.4	—	—	1	µg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.714	1.39	4.99	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.64	—	—	0.066	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	198	—	—	2	µg/L	N	J-	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.51	1.16	4.41	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.413	—	—	0.033	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.45	0.772	2.25	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.72	0.794	2.49	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.453	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.86	—	—	0.11	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.36	—	—	0.165	µg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.985	2.55	8.96	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.06	—	—	0.5	µg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.39	—	—	0.05	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.777	—	—	0.05	µg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0142	0.00884	0.037	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00608	0.00731	0.029	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.38	—	—	0.05	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.1	15.7	65.6	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.307	0.135	0.413	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.825	0.154	0.353	—	pCi/L	—	NQ	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.3	—	—	0.053	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.1	—	—	0.1	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.65	1.49	4.95	—	pCi/L	U	U	12-1149	CAMO-12-12025	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	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	198	—	—	1	µS/cm	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	80.4	—	—	1	µg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.103	0.108	0.414	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.56	—	—	0.1	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	180	—	—	3.4	mg/L	—	J	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.398	—	—	0.33	mg/L	J	J-	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0724	—	—	0.017	mg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_	Tritium	H-3	Y	6.638	1.215	1.943	—	pCi/L	—	NQ	12-1152	CAMO-12-12025	ARSL
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.06	—	—	0.067	µg/L	—	NQ	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.8	0.0437	0.056	—	pCi/L	—	J	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0199	0.00944	0.032	—	pCi/L	U	U	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.341	0.029	0.036	—	pCi/L	—	J	12-1149	CAMO-12-12025	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.27	—	—	1	µg/L	J	J	12-1149	CAMO-12-12034	GELC
R-62	1158	03/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	37.5	—	—	3.3	µg/L	—	NQ	12-1149	CAMO-12-12034	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.67	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.66	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.51	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.78	—	—	0.01	SU	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 Alklalinity of a solution	pH	Y	7.74	—	—	0.01	SU	H	J-	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.8	—	—	0.01	SU	H	J-	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.78	—	—	0.01	SU	H	J-	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.74	—	—	0.01	SU	H	J-	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.68	—	—	0.01	SU	H	J-	11-1387	CASA-11-4557	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	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.5	—	—	0.73	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.1	—	—	0.73	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.6	—	—	0.73	mg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.1	—	—	0.73	mg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	65.1	—	—	1	µg/L	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	65.4	—	—	1	µg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	65.2	—	—	1	µg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	65	—	—	1	µg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	64.2	—	—	1	µg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	µg/L	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	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	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	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	J	J	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21	—	—	15	µg/L	J	J	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	19.9	—	—	15	µg/L	J	J	11-2608	CASA-11-10808	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	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.1	—	—	15	µg/L	J	J	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	19.5	—	—	15	µg/L	J	J	11-1387	CASA-11-4557	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	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.583	—	—	0.067	mg/L	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.507	—	—	0.066	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.505	—	—	0.066	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.506	—	—	0.066	mg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.516	—	—	0.066	mg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.3	—	—	0.05	mg/L	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.3	—	—	0.05	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.9	—	—	0.05	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	66.6	—	—	0.05	mg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	65.9	—	—	0.05	mg/L	—	NQ	11-1387	CASA-11-4557	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	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	58.7	—	—	0.66	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	57.9	—	—	0.66	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	63.5	—	—	0.33	mg/L	—	J+	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	63.2	—	—	0.33	mg/L	—	J+	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	450	—	—	2	µg/L	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	508	—	—	2	µg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	507	—	—	2	µg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	441	—	—	2	µg/L	E	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	448	—	—	2	µg/L	E	NQ	11-1387	CASA-11-4557	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	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.248	—	—	0.033	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.249	—	—	0.033	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.226	—	—	0.033	mg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.225	—	—	0.033	mg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	235	—	—	0.453	mg/L	—	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	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	236	—	—	0.453	mg/L	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	235	—	—	0.45	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	237	—	—	0.45	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	228	—	—	0.45	mg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	225	—	—	0.45	mg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.5	—	—	0.11	mg/L	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.6	—	—	0.11	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.9	—	—	0.11	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	N	J-	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.7	—	—	0.11	mg/L	N	J-	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.636	—	—	0.165	µg/L	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.68	—	—	0.17	µg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.639	—	—	0.17	µg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.795	—	—	0.17	µg/L	—	U	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.75	—	—	0.17	µg/L	—	U	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.9	—	—	0.5	µg/L	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.8	—	—	0.5	µg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17	—	—	0.5	µg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.9	—	—	0.5	µg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	16.5	—	—	0.5	µg/L	—	NQ	11-1387	CASA-11-4555	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	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.46	—	—	0.1	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.38	—	—	0.1	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.29	—	—	0.05	mg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.25	—	—	0.05	mg/L	—	NQ	11-1387	CASA-11-4555	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	—	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	—	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	—	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	—	NQ	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	Lab Qual	2nd Qual	Request	Sample	Lab
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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.06	—	—	0.1	µg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	µg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.05	—	—	0.1	µg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.06	—	—	0.1	µg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.8	—	—	0.05	mg/L	—	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	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.13	—	—	0.05	mg/L	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.72	—	—	0.05	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.78	—	—	0.05	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.6	—	—	0.05	mg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.52	—	—	0.05	mg/L	—	NQ	11-1387	CASA-11-4557	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	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.8	—	—	0.053	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.5	—	—	0.053	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.9	—	—	0.053	mg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.5	—	—	0.053	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.9	—	—	0.053	mg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.7	—	—	0.053	mg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.7	—	—	0.1	mg/L	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.9	—	—	0.1	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.8	—	—	0.1	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.6	—	—	0.1	mg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.5	—	—	0.1	mg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	593	—	—	1	µS/cm	—	NQ	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	595	—	—	1	µS/cm	—	NQ	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	606	—	—	1	µS/cm	—	NQ	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	589	—	—	1	µS/cm	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	590	—	—	1	µS/cm	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	103	—	—	1	µS/cm	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	604	—	—	1	µS/cm	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	560	—	—	1	µS/cm	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance or Electrical Conductivity	SPEC_CONDC	Y	571	—	—	1	µS/cm	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	337	—	—	1	µg/L	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	318	—	—	1	µg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	316	—	—	1	µg/L	—	NQ	11-2608	CASA-11-10806	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	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	320	—	—	1	µg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	322	—	—	1	µg/L	—	NQ	11-1387	CASA-11-4555	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	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24768	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	86.4	—	—	1	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	88.5	—	—	1	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	91	—	—	0.5	mg/L	—	NQ	11-1387	CASA-11-4557	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	91.6	—	—	0.5	mg/L	—	NQ	11-1387	CASA-11-4555	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	—	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	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	420	—	—	2.4	mg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	443	—	—	2.4	mg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	414	—	—	2.4	mg/L	—	NQ	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	412	—	—	2.4	mg/L	—	NQ	11-1387	CASA-11-4557	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	—	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	—	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	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	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	U	U	11-3176	CASA-11-24767	GELC
SCI-2	548	06/02/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.139	—	—	0.035	mg/L	—	NQ	11-2608	CASA-11-10809	GELC
SCI-2	548	06/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	U	U	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.142	—	—	0.033	mg/L	—	U	11-1387	CASA-11-4558	GELC
SCI-2	548	02/17/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.115	—	—	0.033	mg/L	—	U	11-1387	CASA-11-4556	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	—	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	—	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	—	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	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	J	J	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.16	—	—	0.33	mg/L	—	NQ	11-2608	CASA-11-10809	GELC
SCI-2	548	06/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.16	—	—	0.33	mg/L	—	NQ	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.4	—	—	0.33	mg/L	—	NQ	11-1387	CASA-11-4558	GELC
SCI-2	548	02/17/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.07	—	—	0.33	mg/L	—	NQ	11-1387	CASA-11-4556	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	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	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	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	—	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	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0329	—	—	0.015	mg/L	J	U	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0371	—	—	0.015	mg/L	J	U	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.064	—	—	0.015	mg/L	—	U	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.07	—	—	0.015	mg/L	—	U	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.8	—	—	0.067	µg/L	—	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	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.84	—	—	0.067	µg/L	—	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	—	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	—	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	—	NQ	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.57	—	—	0.067	µg/L	—	NQ	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.6	—	—	0.067	µg/L	—	NQ	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.39	—	—	0.067	µg/L	—	J	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.43	—	—	0.067	µg/L	—	J	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.76	—	—	1	µg/L	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	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	U	U	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	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	U	U	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	1.78	—	—	1	µg/L	J	U	11-2608	CASA-11-10806	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	1.12	—	—	1	µg/L	J	U	11-2608	CASA-11-10808	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.03	—	—	1	µg/L	J	J	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.07	—	—	1	µg/L	J	J	11-1387	CASA-11-4557	GELC
SCI-2	548	03/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.26	—	—	3.3	µg/L	J	J	12-1053	CASA-12-11716	GELC
SCI-2	548	03/05/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.71	—	—	3.3	µg/L	J	J	12-1053	CASA-12-11740	GELC
SCI-2	548	11/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	U	U	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	U	U	11-3176	CASA-11-24768	GELC
SCI-2	548	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	U	U	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.01	—	—	3.3	µg/L	J	J	11-2608	CASA-11-10808	GELC
SCI-2	548	06/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.44	—	—	3.3	µg/L	J	J	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	U	U	11-1387	CASA-11-4555	GELC
SCI-2	548	02/17/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	U	U	11-1387	CASA-11-4557	GELC

Appendix D

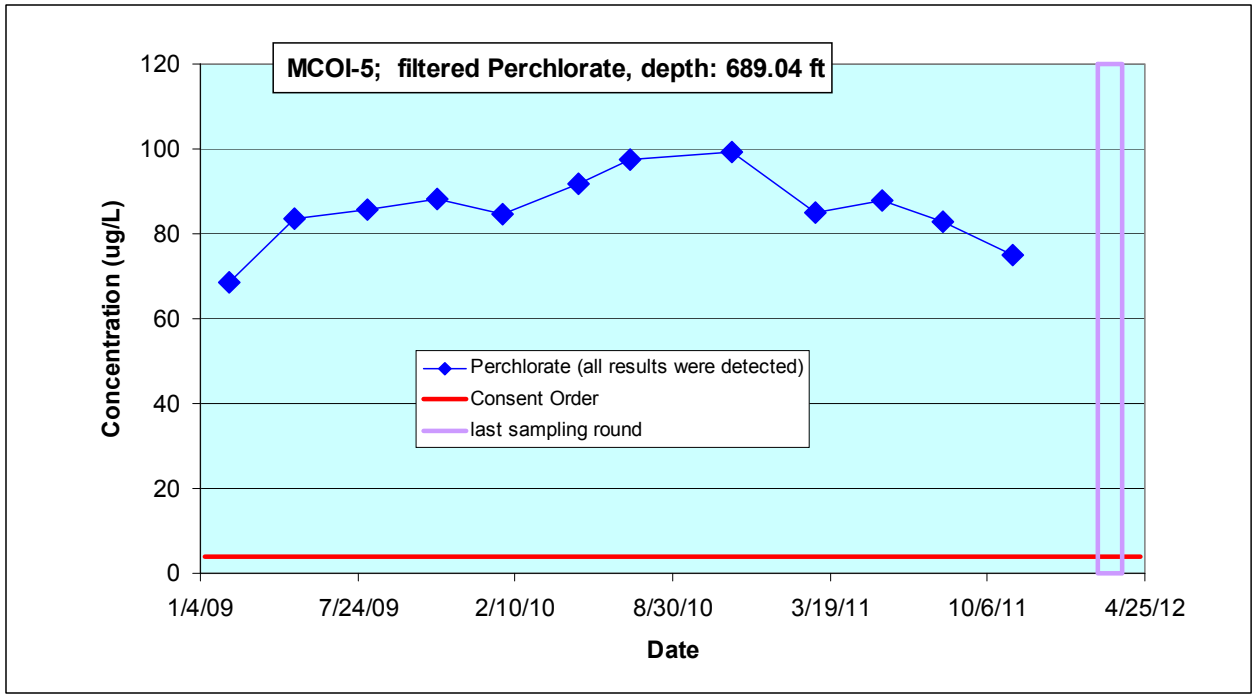
Groundwater Results Greater Than Half of Screening Levels

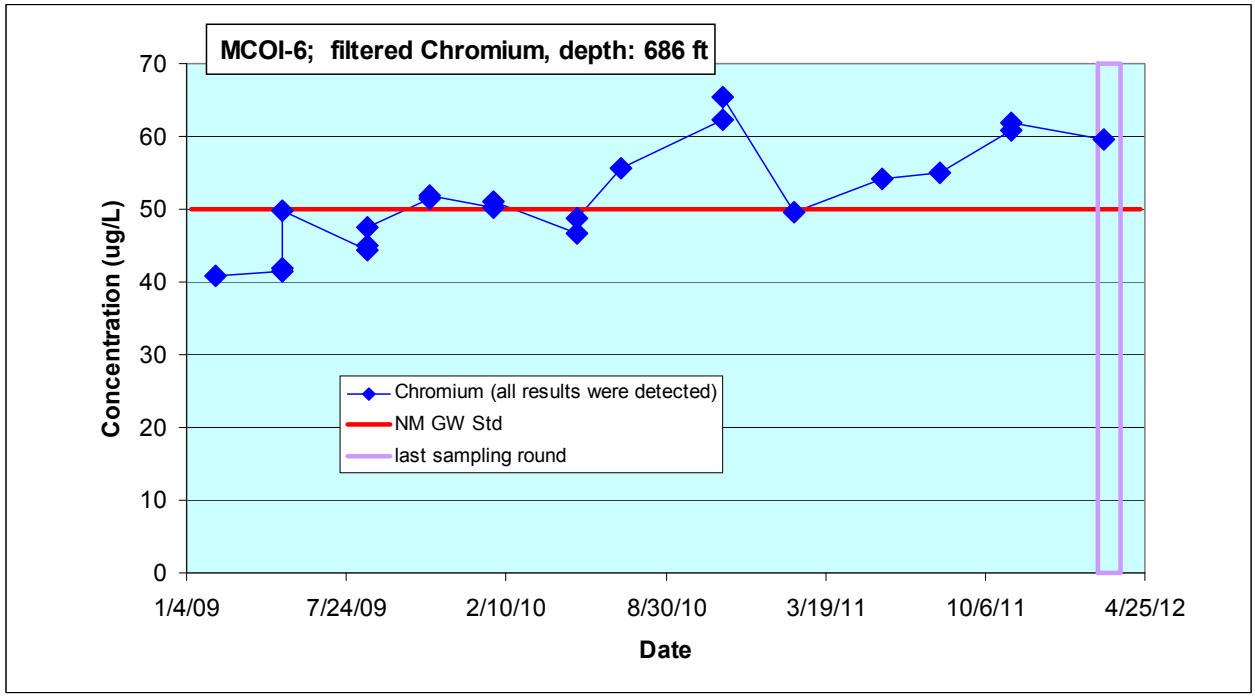
Zone	Location	Screen Top Depth	Sample Date	Field Preparation Code	Field Quality Control Code	Analysis Type Code	Analysis Suite Code	Parameter Name	Parameter Code	Detect Flag	Lab Result	Method Detection Limit	Uncertainty	Minimum Detectable Activity	Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Intermediate	MCOI-6	686	03/05/12	F[a]	REG[b]	INIT[c]	GENINORG[d]	Nitrogen, Nitrate/Nitrite	NO3+NO2-N	Y[e]	8.07	0.1	—[f]	—	mg/L	10	—	NQ[g]	EPA:353.2	GELC[h]	10	EPA MCL[i]	0.81
Regional	R-11	855	03/07/12	F	REG	INIT	GENINORG	Nitrogen, Nitrate/Nitrite	NO3+NO2-N	Y	5.25	0.05	—	—	mg/L	5	—	NQ	EPA:353.2	GELC	10	EPA MCL	0.53
Regional	R-42	931.8	03/09/12	F	REG	INIT	GENINORG	Nitrogen, Nitrate/Nitrite	NO3+NO2-N	Y	5.75	0.1	—	—	mg/L	10	—	NQ	EPA:353.2	GELC	10	EPA MCL	0.58
Regional	R-43 S1	903.9	03/09/12	F	REG	INIT	GENINORG	Nitrogen, Nitrate/Nitrite	NO3+NO2-N	Y	5.56	0.1	—	—	mg/L	10	—	NQ	EPA:353.2	GELC	10	EPA MCL	0.56
Intermediate	MCOI-6	686	03/05/12	F	REG	INIT	GENINORG	Perchlorate	ClO4	Y	64.3	5	—	—	µg/L	100	—	NQ	SW-846:6850	GELC	4	Consent Order	16.08
Regional	R-61 S1	1125	02/07/12	F	REG	INIT	GENINORG	Perchlorate	ClO4	Y	7.37	0.5	—	—	µg/L	10	—	NQ	SW-846:6850	GELC	4	Consent Order	1.84
Intermediate	MCOI-6	686	03/05/12	F	REG	INIT	METALS	Chromium	Cr	Y	59.6	2	—	—	µg/L	1	—	NQ	SW-846:6020	GELC	50	NMWQCC GW STD[k]	1.19
Intermediate	SCI-2	548	03/05/12	F	FD[j]	INIT	METALS	Chromium	Cr	Y	446	2	—	—	µg/L	1	—	NQ	SW-846:6020	GELC	50	NMWQCC GW STD	8.92
Intermediate	SCI-2	548	03/05/12	F	REG	INIT	METALS	Chromium	Cr	Y	450	2	—	—	µg/L	1	—	NQ	SW-846:6020	GELC	50	NMWQCC GW STD	9.00
Regional	R-28	934.3	03/13/12	F	REG	INIT	METALS	Chromium	Cr	Y	336	2	—	—	µg/L	1	E[l]	NQ	SW-846:6020	GELC	50	NMWQCC GW STD	6.72
Regional	R-42	931.8	03/09/12	F	REG	INIT	METALS	Chromium	Cr	Y	969	2	—	—	µg/L	1	—	J+[m]	SW-846:6020	GELC	50	NMWQCC GW STD	19.38
Regional	R-43 S1	903.9	03/09/12	F	REG	INIT	METALS	Chromium	Cr	Y	37.4	2	—	—	µg/L	1	—	NQ	SW-846:6020	GELC	50	NMWQCC GW STD	0.75
Regional	R-50 S1	1077	03/08/12	F	REG	INIT	METALS	Chromium	Cr	Y	99.8	2	—	—	µg/L	1	—	NQ	SW-846:6020	GELC	50	NMWQCC GW STD	2.00
Regional	R-62	1158.4	03/26/12	F	REG	INIT	METALS	Chromium	Cr	Y	198	2	—	—	µg/L	1	N[n]	J-[o]	SW-846:6020	GELC	50	NMWQCC GW STD	3.96
Regional	R-61 S1	1125	02/07/12	F	REG	INIT	METALS	Iron	Fe	Y	1150	30	—	—	µg/L	1	—	NQ	SW-846:6010B	GELC	1000	NMWQCC GW STD	1.15
Regional	R-61 S1	1125	02/07/12	F	REG	INIT	METALS	Manganese	Mn	Y	554	2	—	—	µg/L	1	—	NQ	SW-846:6010B	GELC	200	NMWQCC GW STD	2.77
Regional	R-61 S2	1220.4	02/08/12	F	REG	INIT	METALS	Manganese	Mn	Y	744	2	—	—	µg/L	1	—	NQ	SW-846:6010B	GELC	200	NMWQCC GW STD	3.72

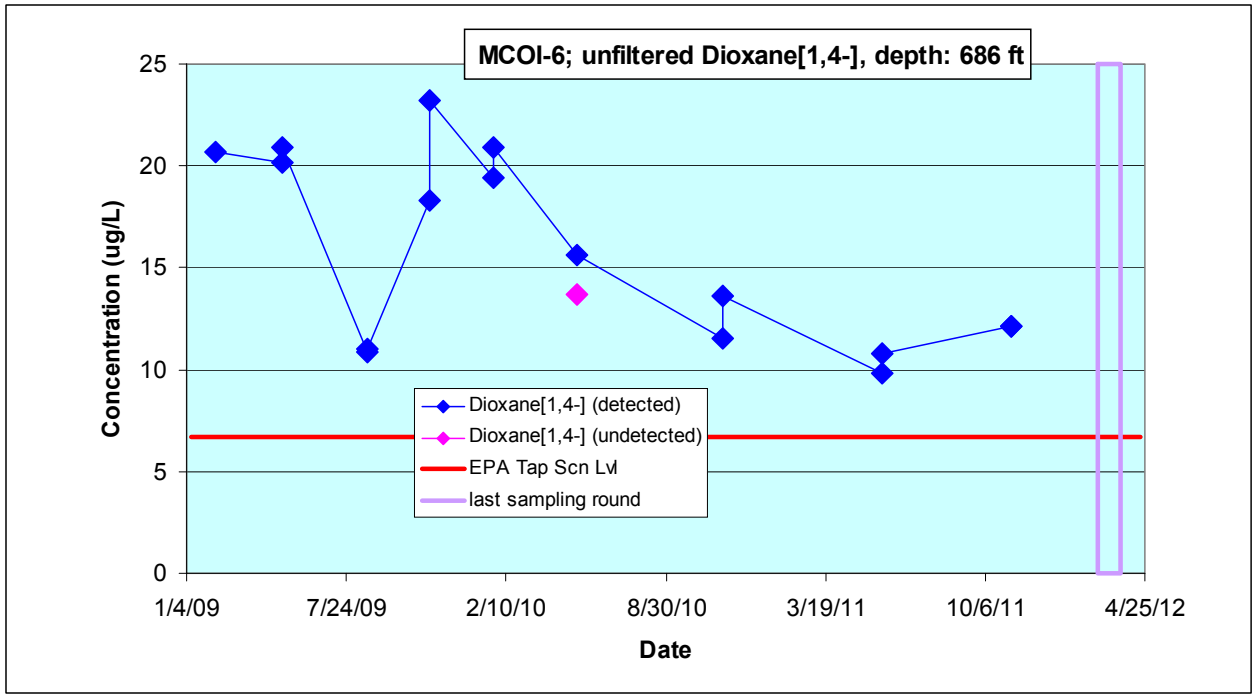
[a] F = Filtered.
[b] REG = Regular.
[c] INIT = Initial.
[d] GENINORG = General inorganics.
[e] Y = Yes.
[f] — = None.
[g] NQ = Not qualified.
[h] GELC = General Engineering Laboratories, Inc., Charleston, SC.
[i] EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.
[j] FD = Field duplicate.
[k] NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.
[l] E = (Organic) Analyte exceeded the concentration range. (Inorganic) The serial dilution was exceeded.
[m] 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.
[n] N = Spiked sample recovery not within control limits.
[o] 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.

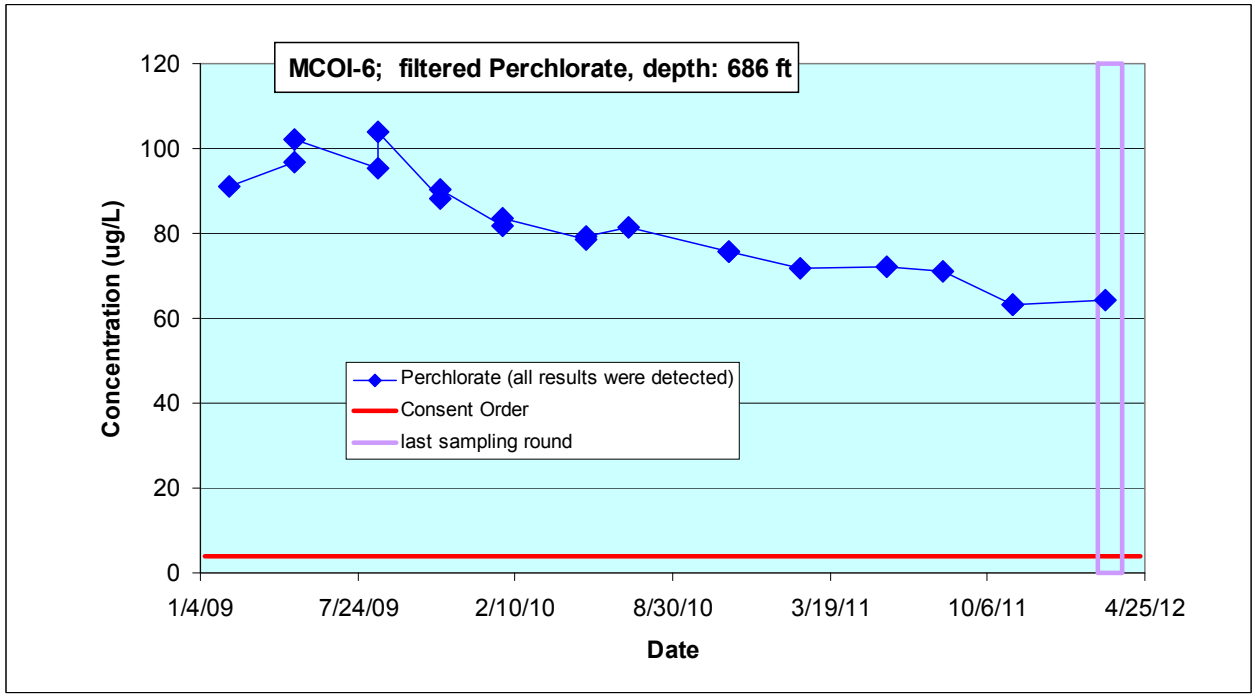
Appendix E

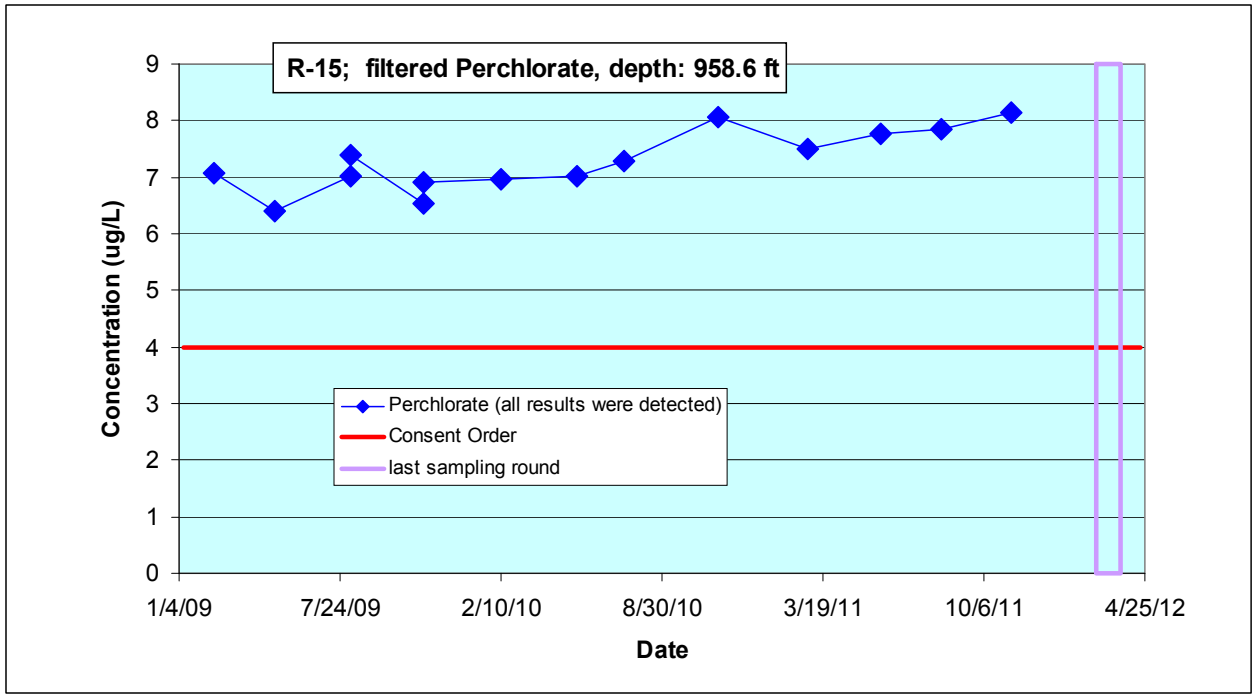
Analytical Chemistry Graphs of Screening-Level Exceedances

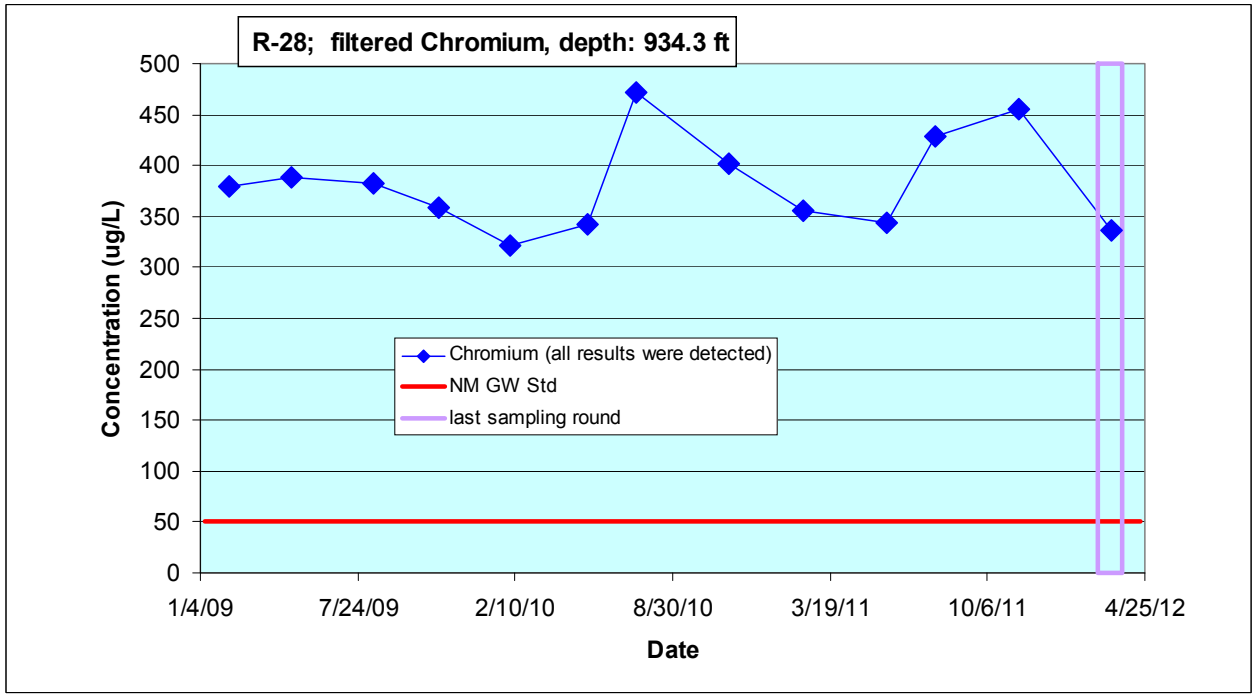

MCOI-5; filtered Perchlorate, depth: 689.04 ft
Concentration (ug/L)
120
100
80
60
40
20
0
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

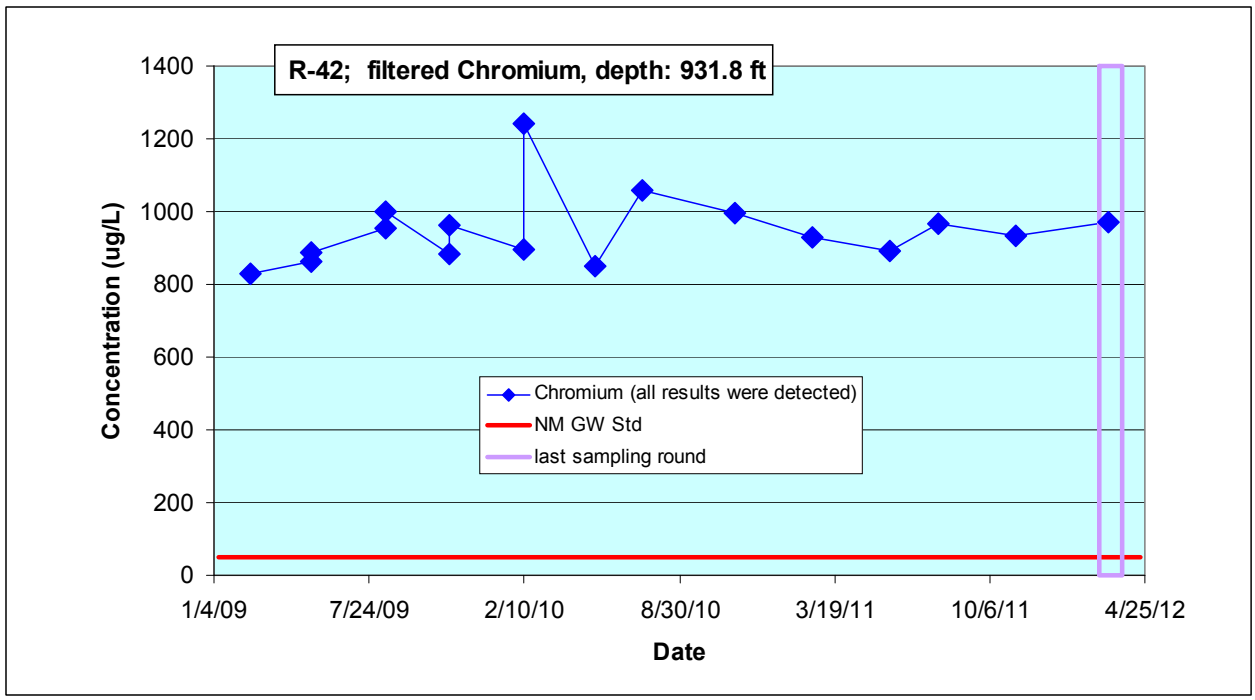

MCOI-6; filtered Chromium, depth: 686 ft
Concentration (ug/L)
70
60
50
40
30
20
10
0
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date
Chromium (all results were detected)
NM GW Std
last sampling round

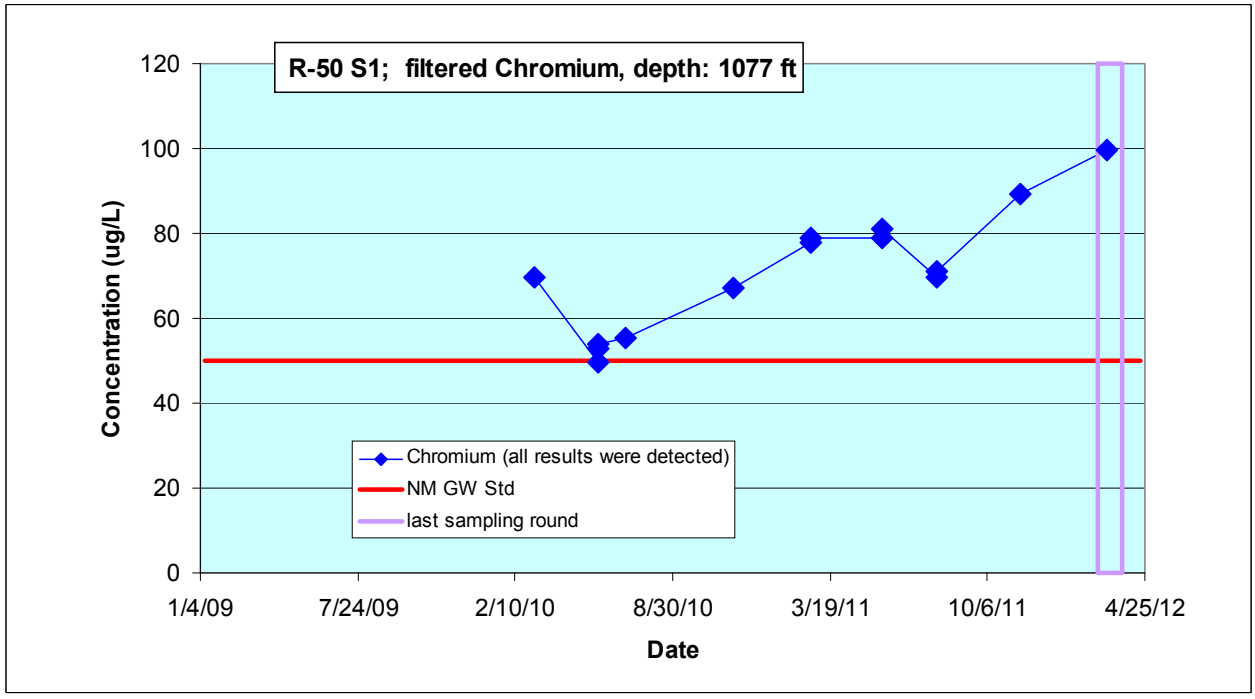

MCOI-6; unfiltered Dioxane[1,4-], depth: 686 ft
Concentration (ug/L)
25
20
15
10
5
0
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date
Dioxane[1,4-] (detected)
Dioxane[1,4-] (undetected)
EPA Tap Scn Lvl
last sampling round

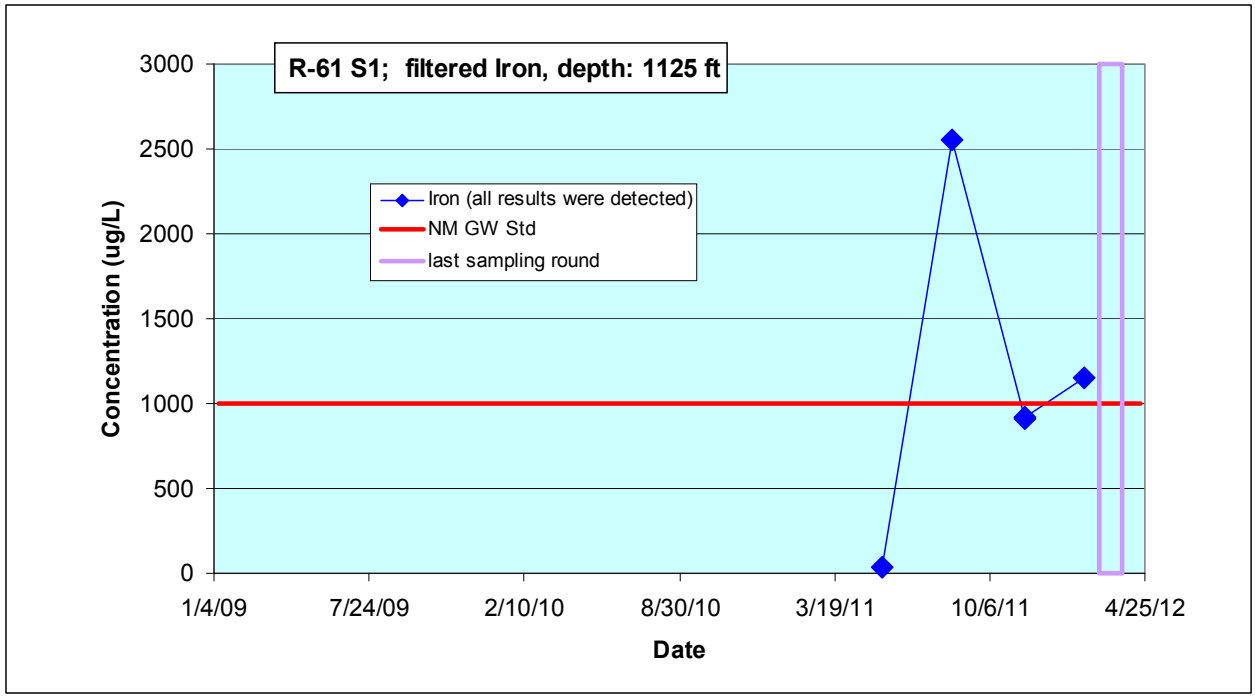

MCOI-6; filtered Perchlorate, depth: 686 ft
Concentration (ug/L)
120
100
80
60
40
20
0
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

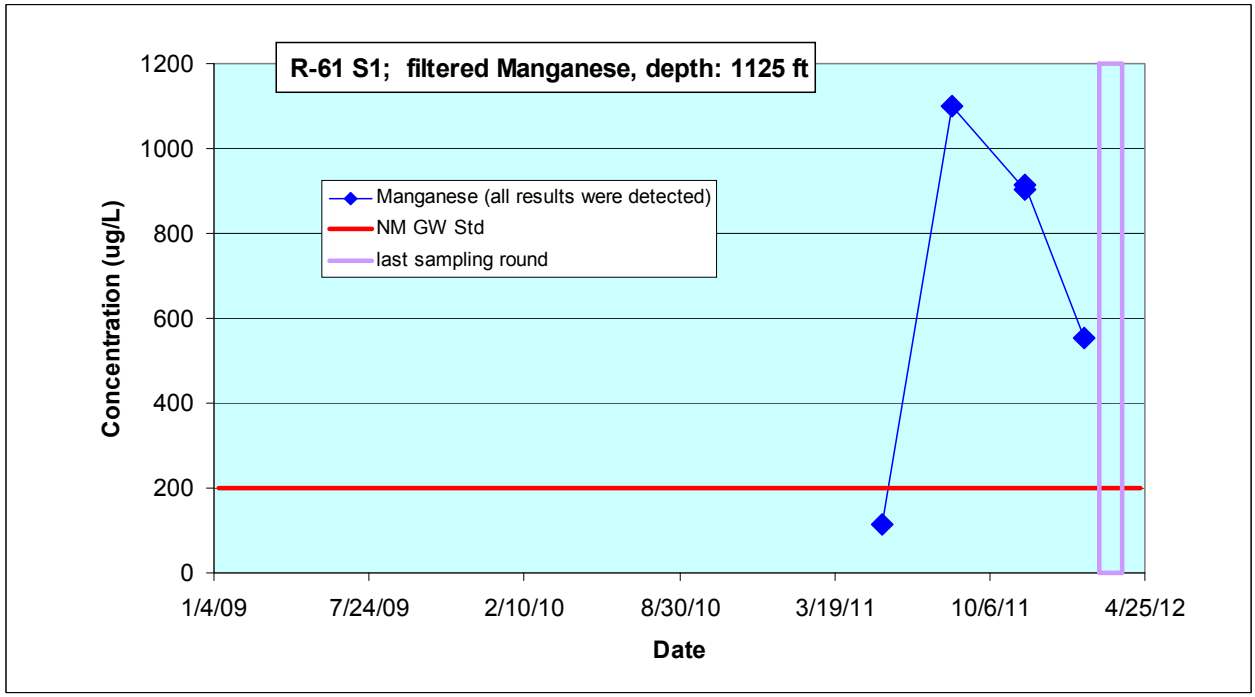

R-15; filtered Perchlorate, depth: 958.6 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

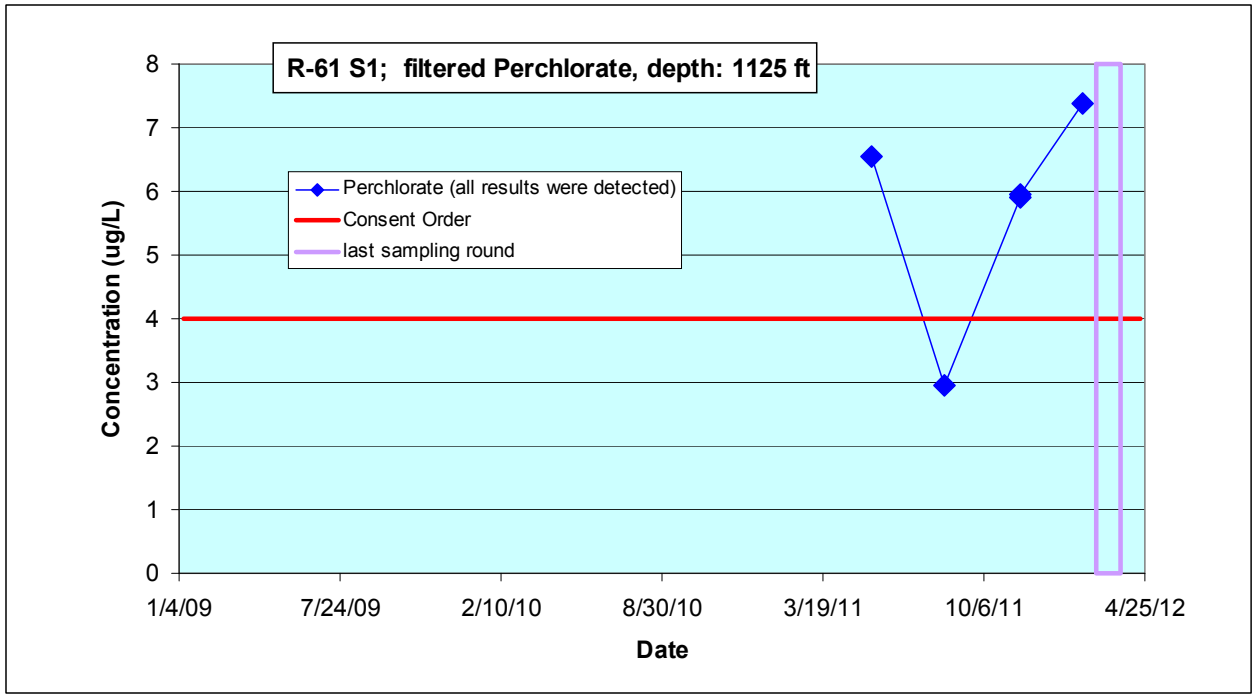

R-28; filtered Chromium, depth: 934.3 ft
Concentration (ug/L)
0
50
100
150
200
250
300
350
400
450
500
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date
Chromium (all results were detected)
NM GW Std
last sampling round

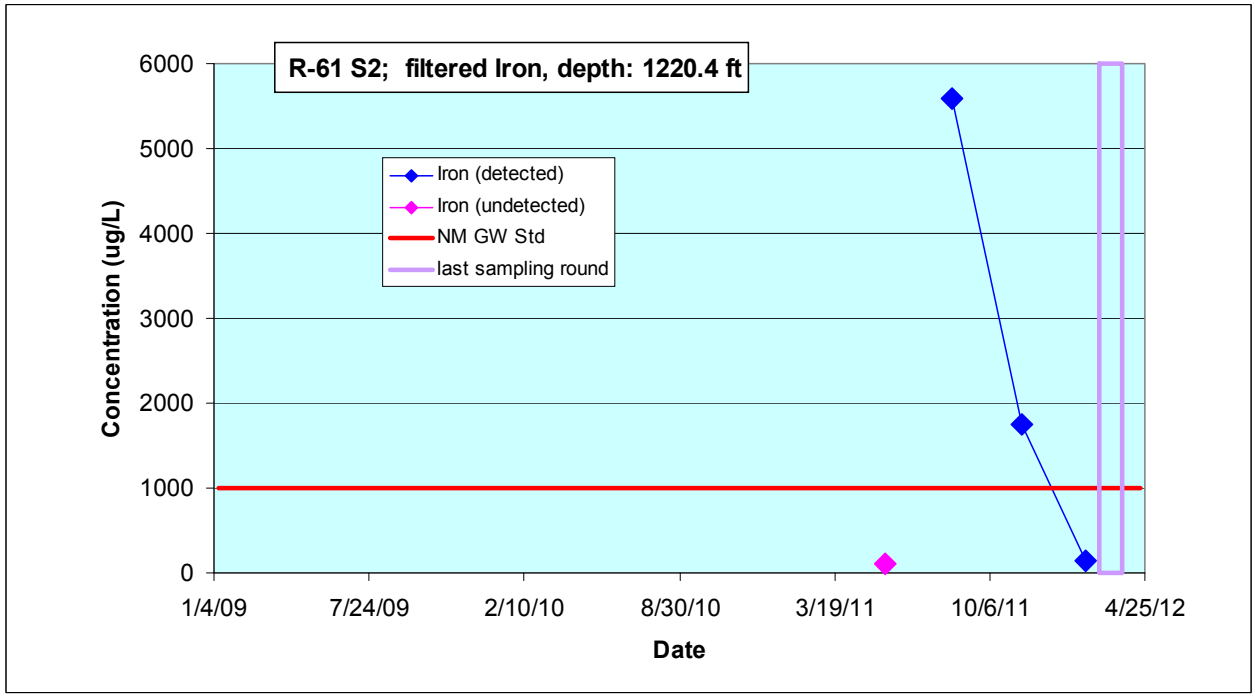

R-42; filtered Chromium, depth: 931.8 ft
Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date
Chromium (all results were detected)
NM GW Std
last sampling round

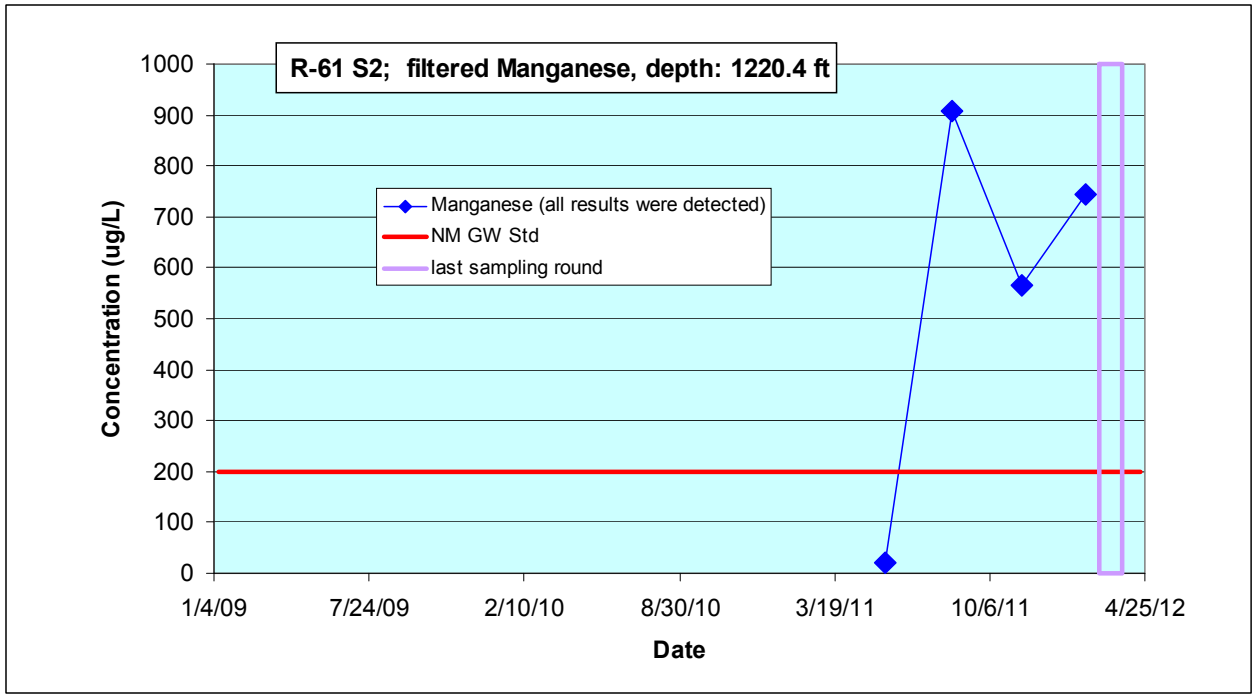

R-50 S1; filtered Chromium, depth: 1077 ft
Concentration (ug/L)
120
100
80
60
40
20
0
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date
Chromium (all results were detected)
NM GW Std
last sampling round

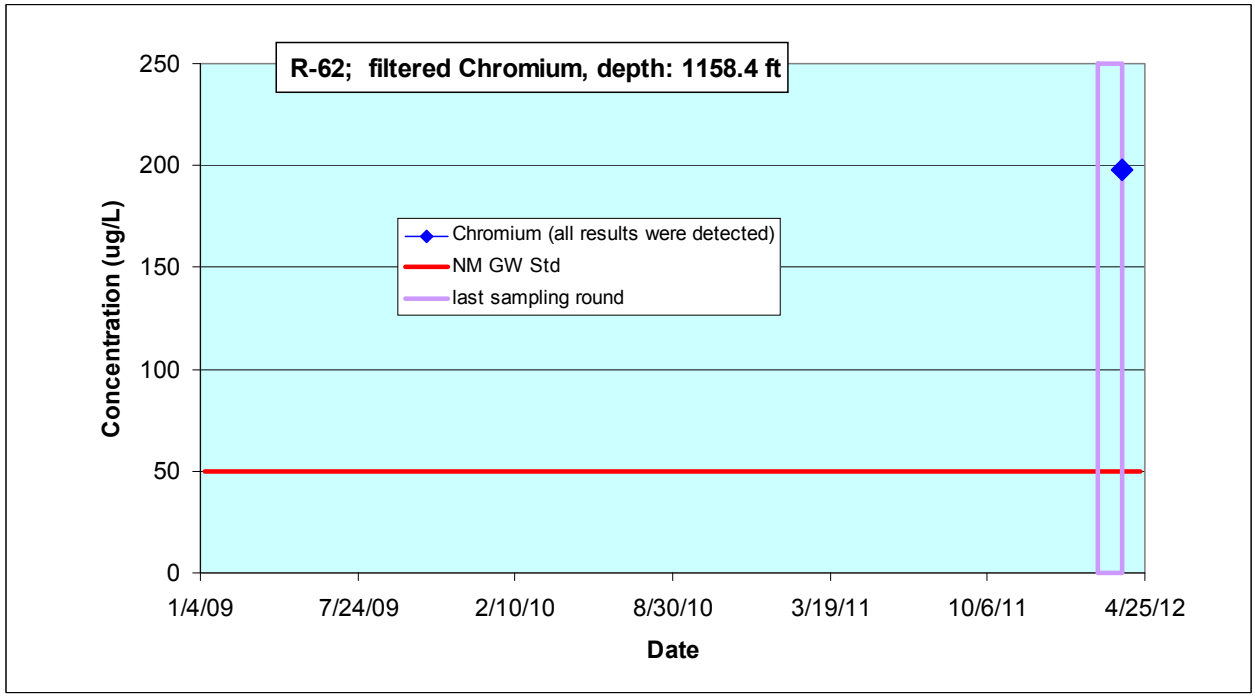

R-61 S1; filtered Iron, depth: 1125 ft
Iron (all results were detected)
NM GW Std
last sampling round
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date

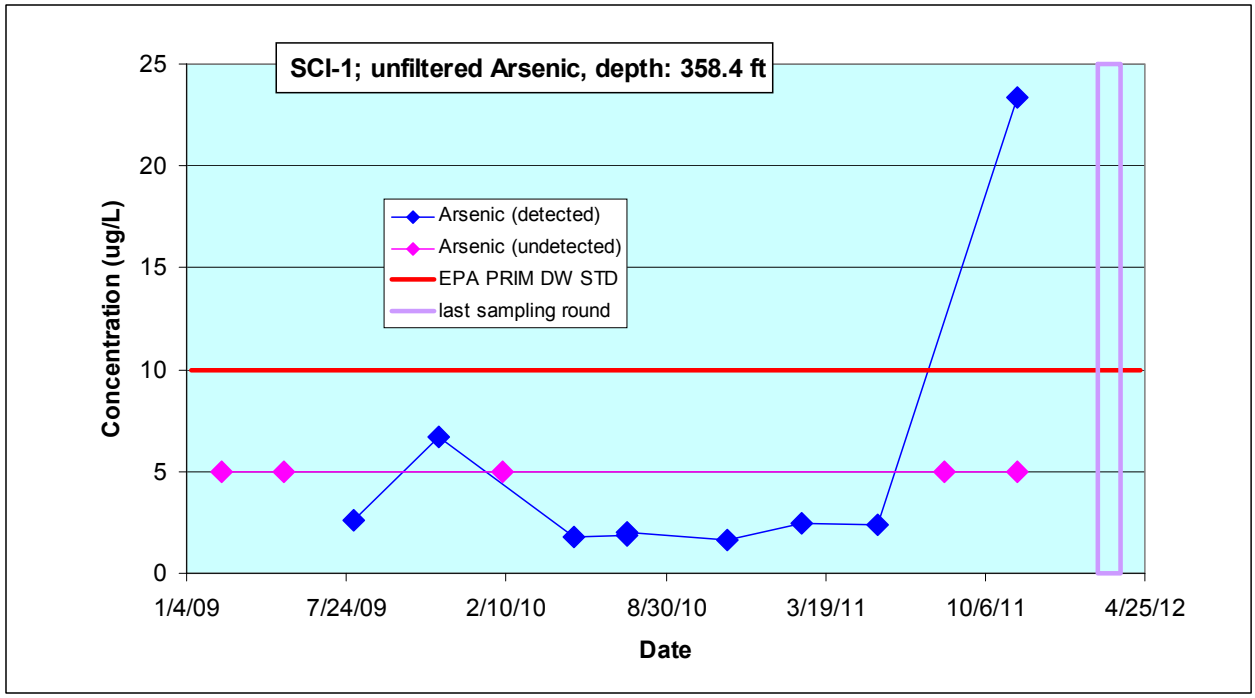

R-61 S1; filtered Manganese, depth: 1125 ft
Manganese (all results were detected)
NM GW Std
last sampling round
Concentration (ug/L)
1200
1000
800
600
400
200
0
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date

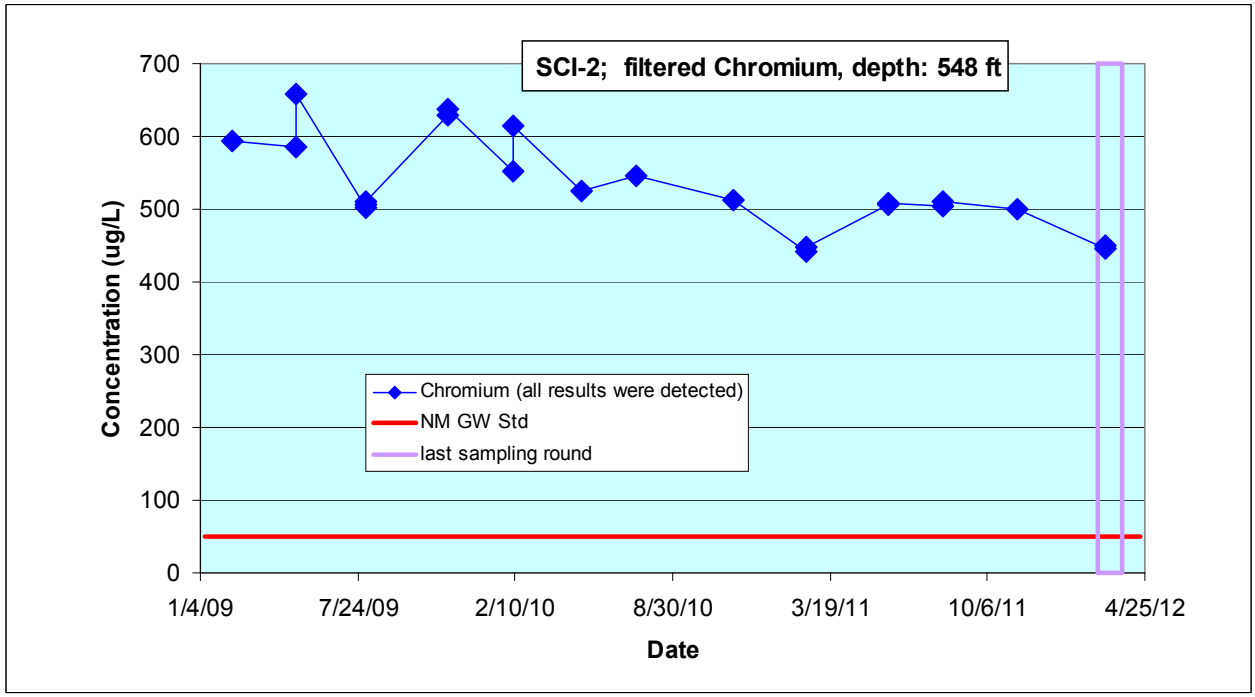

R-61 S1; filtered Perchlorate, depth: 1125 ft
Perchlorate (all results were detected)
Consent Order
last sampling round
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date


R-61 S2; filtered Iron, depth: 1220.4 ft
Iron (detected)
Iron (undetected)
NM GW Std
last sampling round
Concentration (ug/L)
0
1000
2000
3000
4000
5000
6000
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date


R-61 S2; filtered Manganese, depth: 1220.4 ft
Manganese (all results were detected)
NM GW Std
last sampling round
Concentration (ug/L)
1000
900
800
700
600
500
400
300
200
100
0
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date


R-62; filtered Chromium, depth: 1158.4 ft
Chromium (all results were detected)
NM GW Std
last sampling round
Concentration (ug/L)
250
200
150
100
50
0
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
Date


SCI-1; unfiltered Arsenic, depth: 358.4 ft
Concentration (ug/L)
25
20
15
10
5
0
Arsenic (detected)
Arsenic (undetected)
EPA PRIM DW STD
last sampling round
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
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
1/4/09
7/24/09
2/10/10
8/30/10
3/19/11
10/6/11
4/25/12
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)
12-1052	Inorganic	GELC[a]	CAMO-12-12017	03/05/12	MCOI-6	686	708.3
12-1052	Inorganic	GELC	CAMO-12-12026	03/05/12	MCOI-6	686	708.3
12-1053	Inorganic	GELC	CASA-12-11712	03/05/12	SCI-2	548	568
12-1053	Inorganic	GELC	CASA-12-11716	03/05/12	SCI-2	548	568
12-1053	Inorganic	GELC	CASA-12-11739	03/05/12	SCI-2	548	568
12-1053	Inorganic	GELC	CASA-12-11740	03/05/12	SCI-2	548	568
12-1053	Organic	GELC	CASA-12-11741	03/05/12	SCI-2	548	568
12-1058	Inorganic	GELC	CASA-12-11709	03/07/12	R-11	855	877.9
12-1058	Inorganic	GELC	CASA-12-11713	03/07/12	R-11	855	877.9
12-1061	Inorganic	GELC	CAMO-12-12022	03/07/12	R-50 S2	1185	1205.6
12-1061	Inorganic	GELC	CAMO-12-12031	03/07/12	R-50 S2	1185	1205.6
12-1064	Inorganic	GELC	CASA-12-12037	03/08/12	R-36	766.9	789.9
12-1064	Inorganic	GELC	CASA-12-12038	03/08/12	R-36	766.9	789.9
12-1066	Inorganic	GELC	CAMO-12-12016	03/08/12	R-50 S1	1077	1087
12-1066	Inorganic	GELC	CAMO-12-12020	03/09/12	R-42	931.8	952.9
12-1066	Inorganic	GELC	CAMO-12-12021	03/08/12	R-50 S1	1077	1087
12-1066	Inorganic	GELC	CAMO-12-12029	03/09/12	R-42	931.8	952.9
12-1066	Inorganic	GELC	CAMO-12-12030	03/08/12	R-50 S1	1077	1087
12-1066	Organic	GELC	CAMO-12-12016	03/08/12	R-50 S1	1077	1087
12-1066	Rad[b]	GELC	CAMO-12-12016	03/08/12	R-50 S1	1077	1087
12-1075	Inorganic	GELC	CASA-12-11710	03/09/12	R-43 S1	903.9	924.6
12-1075	Inorganic	GELC	CASA-12-11714	03/09/12	R-43 S1	903.9	924.6
12-1076	Inorganic	GELC	CASA-12-11711	03/12/12	R-43 S2	969.1	979.1
12-1076	Inorganic	GELC	CASA-12-11715	03/12/12	R-43 S2	969.1	979.1
12-1091	Inorganic	GELC	CAMO-12-12018	03/13/12	R-28	934.3	958.1
12-1091	Inorganic	GELC	CAMO-12-12027	03/13/12	R-28	934.3	958.1
12-1149	Inorganic	GELC	CAMO-12-12025	03/26/12	R-62	1158.4	1179.1
12-1149	Inorganic	GELC	CAMO-12-12034	03/26/12	R-62	1158.4	1179.1
12-1149	Organic	GELC	CAMO-12-12014	03/26/12	R-62	1158.4	1179.1
12-1149	Organic	GELC	CAMO-12-12015	03/26/12	R-62	1158.4	1179.1
12-1149	Organic	GELC	CAMO-12-12025	03/26/12	R-62	1158.4	1179.1
12-1149	Rad	GELC	CAMO-12-12025	03/26/12	R-62	1158.4	1179.1
12-1152	Rad	ARSL[c]	CAMO-12-12025	03/26/12	R-62	1158.4	1179.1
12-734	Inorganic	GELC	CAMO-12-2229	02/07/12	R-61 S1	1125	1135
12-734	Inorganic	GELC	CAMO-12-2230	02/07/12	R-61 S1	1125	1135
12-734	Organic	GELC	CAMO-12-2229	02/07/12	R-61 S1	1125	1135
12-734	Organic	GELC	CAMO-12-2233	02/07/12	R-61 S1	1125	1135
12-735	Inorganic	GELC	CAMO-12-2229	02/07/12	R-61 S1	1125	1135

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

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

[b] Rad = Radiochemistry (not gamma).

[c] ARSL = American Radiation Services, Inc..

[d] STSL = Severn Trent Laboratories, Inc., St. Louis, MO.