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Periodic Monitoring Report for Chromium Investigation Monitoring Group, July 9–July 26, 2013

Los Alamos
NATIONAL LABORATORY
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Prepared by the Environmental Programs Directorate

EP2014-0008

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EXECUTIVE SUMMARY

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

The PME documented in this report occurred from July 9 to July 26, 2013, and included the monitoring of groundwater wells and well screens. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of a PME are also included in this report.

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

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

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

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Acronyms and Abbreviations

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

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of fiscal year 2013, fourth quarter, quarterly groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Chromium Investigation monitoring group. Monitoring was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2013 Monitoring Year, October 2012–September 2013 (2013 IFGMP) (LANL 2012, 225493), which was prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from July 9 to July 26, 2013, and included sampling of groundwater wells and well screens.

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

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

This report presents the following information:

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

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

1.1 Background

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

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

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

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

Chromium concentrations exceed the NMED groundwater standard in Mortandad Canyon regional aquifer wells R-28, R-62, R-42, and R-50. Other constituents detected above background in wells in the monitoring group include nitrate, perchlorate, and tritium. A conceptual model for the sources and distribution of these contaminants is presented in the Investigation Report for Sandia Canyon (LANL 2009, 107453) and the Phase II Investigation Report for Sandia Canyon (LANL 2012, 228624).

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

2.0 SCOPE OF ACTIVITIES

The PME for the Chromium Investigation monitoring group was conducted pursuant to the 2013 IFGMP (LANL 2012, 225493).

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

3.0 MONITORING RESULTS

3.1 Methods and Procedures

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

3.2 Field Parameter Results

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

3.3 Groundwater Elevations

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

3.4 Deviations from Planned Scope

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

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

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

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

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

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

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

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

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

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

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

4.2 Analytical Data

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

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

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

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

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

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

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

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

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

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

4.2.1 Surface Water (Base Flow)

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

4.2.2 Groundwater

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

For the current PME, the filtered perchlorate concentration for intermediate groundwater well MCOI-6 was 60.8 µg/L, above the Consent Order screening level of 4 µg/L. The concentrations in MCOI-6 have decreased since 2007 from 190 µg/L to around 56.3 µg/L.

In MCOI-6, the filtered chromium concentration of 69.6 µg/L was above the NMWQCC groundwater standard screening level of 50 µg/L. Concentrations have increased from 29.4 µg/L since 2007.

The filtered chromium result of 406 µg/L at intermediate well SCI-2 was above the NMWQCC groundwater standard screening level of 50 µg/L. Results since October of 2008 have generally decreased from 658 µg/L. The current result is the lowest measured at the well.

The perchlorate concentration in regional aquifer well R-61 S1 (screen 1) of 6.67 µg/L was above the Consent Order screening level of 4 µg/L. Earlier measurements range from 2.96 µg/L to 7.37 µg/L.

At regional aquifer well R-43 S1, the filtered chromium concentration was 55.7 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Chromium concentrations have risen steadily from the first nondetect results in late 2008. The current result is the highest measured at the screen.

The filtered chromium concentration from regional aquifer well R-50 S1 was 95.4 µg/L, above the NMWQCC groundwater standard screening level of 50 µg/L. Values from earlier sampling events range from 49.8 µg/L to 103 µg/L.

The filtered chromium concentration from regional aquifer well R-62 was 136 µg/L in the primary sample, above the NMWQCC groundwater standard screening level of 50 µg/L. The concentration in a field duplicate sample was 133 µg/L. Previous results are between 123 µg/L and 198 µg/L.

4.3 Sampling Program Modifications

In its December 15, 2011, Approval, Extension Request to Submit the Phase II Investigation Report for Sandia Canyon (NMED 2011, 208852), NMED states that both wells R-61 and R-62 are affected by impacts from drilling and well construction; therefore, data acquired from the wells may not be representative of aquifer conditions. With the exception of the first sampling round from R-61, data show

elevated concentrations of dissolved iron and manganese and low concentrations of chromium, indicating reducing conditions in the vicinity of both well screens. The results from all but the first sampling round are therefore not representative of ambient groundwater conditions in the vicinity of the well. Following completion of redevelopment work on both screens in October 2012, the well has been sampled on a quarterly basis. The Laboratory is currently reviewing the post-redevelopment data from R-61 to assess whether data from R-61 is representative and sufficient to support ongoing monitoring for the Chromium Investigation monitoring group.

5.0 SUMMARY AND INTERPRETATIONS

5.1 Monitoring Results

The field parameter monitoring results are presented in Appendix A.

5.2 Analytical Results

5.2.1 Surface Water (Base Flow)

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

5.2.2 Groundwater

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

For results above screening levels, the types of contaminants detected and their concentrations are consistent with data reported from previous PMEs in this monitoring group. The chromium concentration at R-43 S1, which is the highest to date, is consistent with the increasing chromium trend in that screen.

5.3 Data Gaps

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

5.4 Remediation System Monitoring

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

6.0 REFERENCES

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

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

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

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

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

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

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

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

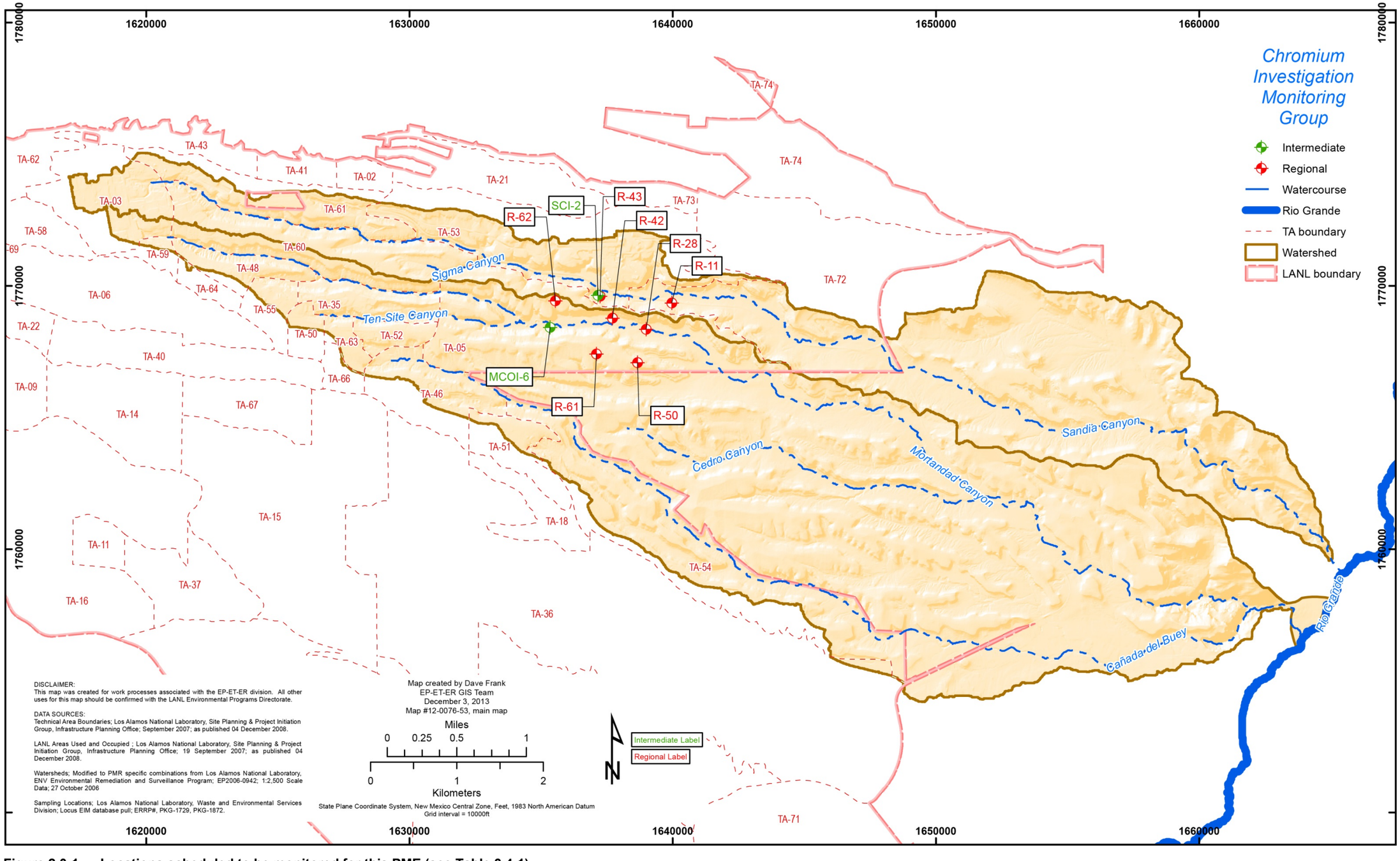


Figure 2.0-1 Locations scheduled to be monitored for this PME (see Table 3.4-1).

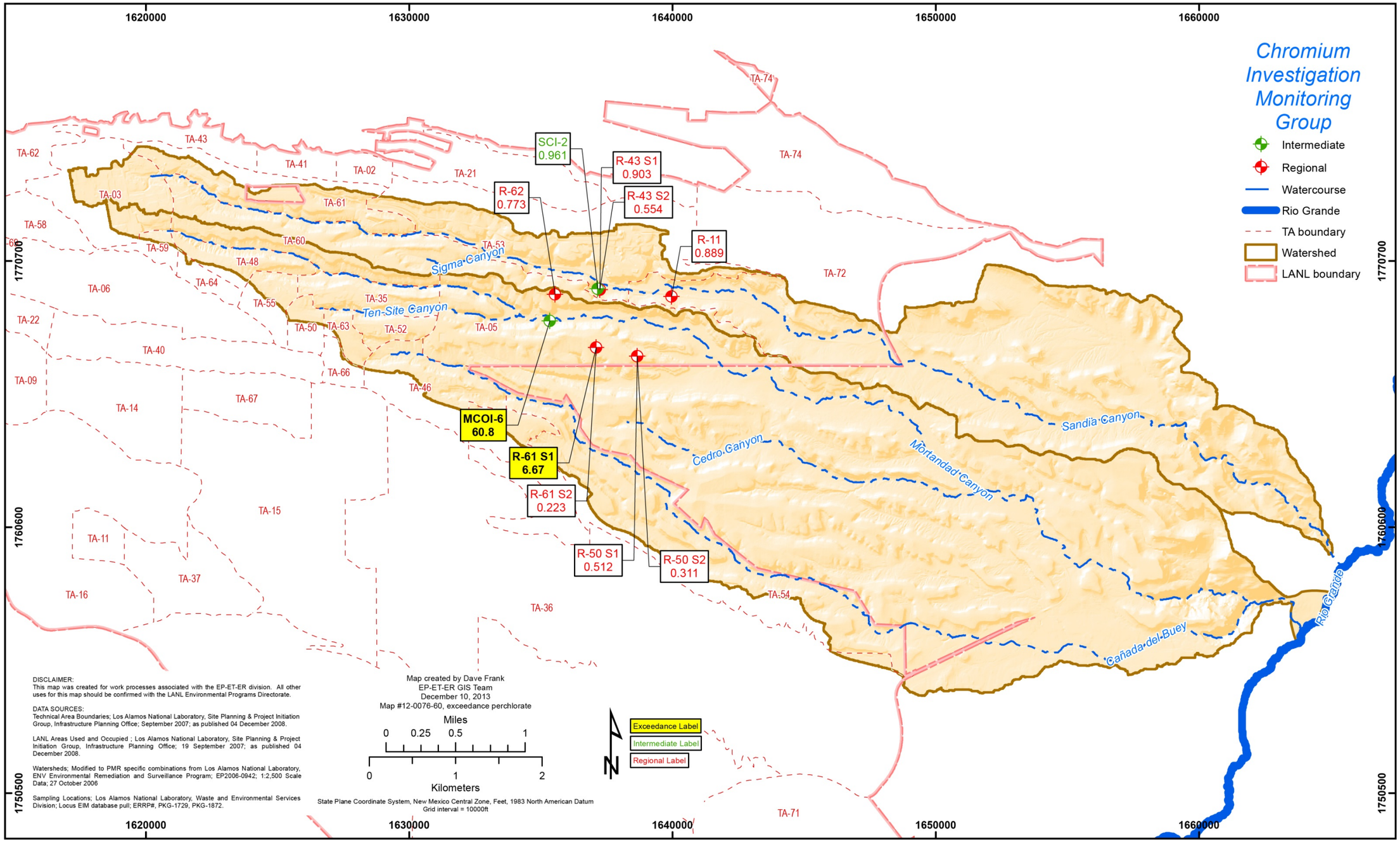


Figure 4.2-1 Monitoring group filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L.

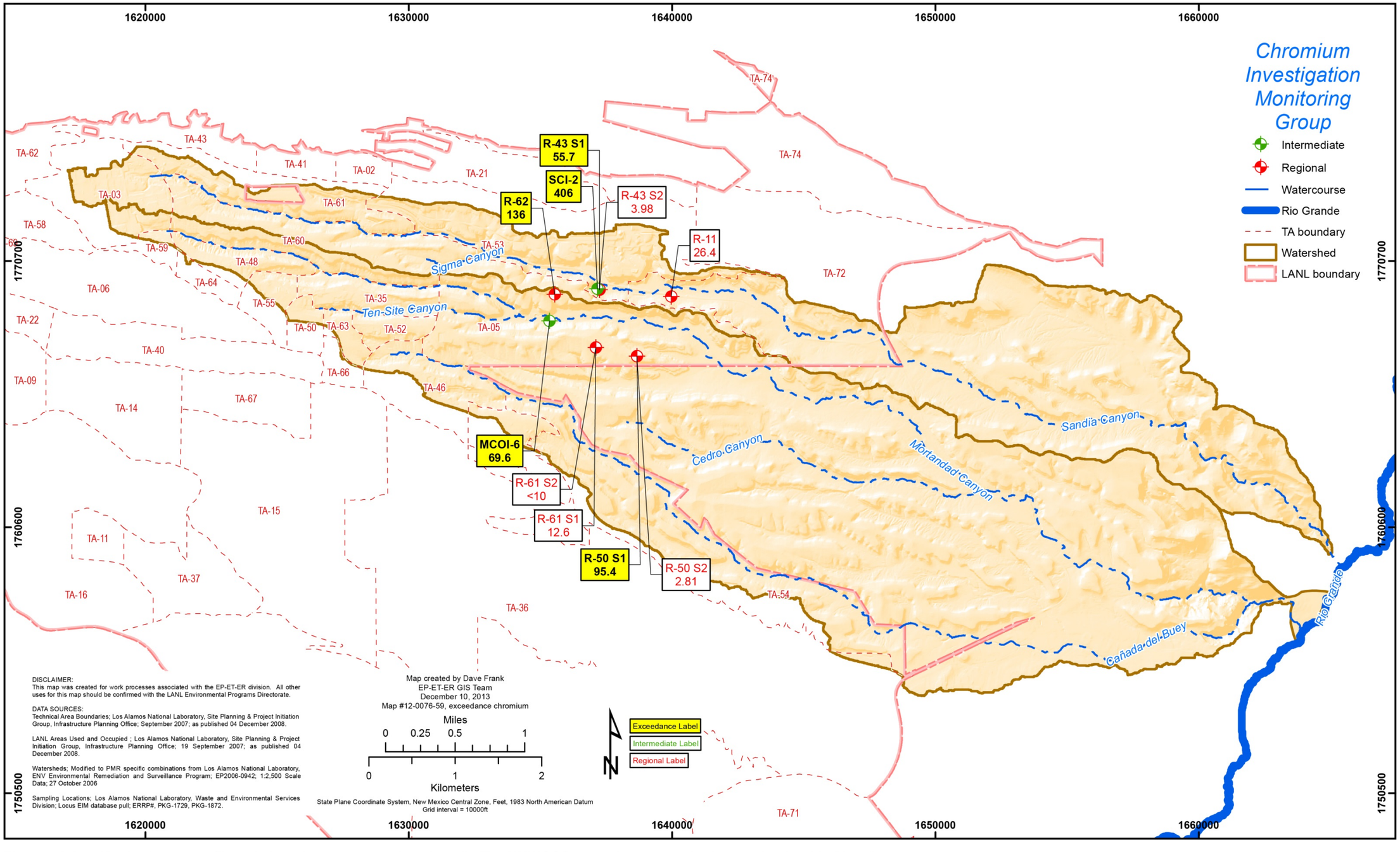


Figure 4.2-2 Monitoring group filtered chromium concentrations in µg/L. The NMWQCC groundwater standard screening level is 50 µg/L.

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

Location Name	Sample Collection Date	Screened Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge Rate (gpm[a])
Intermediate							
MCOI-6	07/09/13	22.3	686	708	45.4	136.5	1.3
SCI-2	07/23/13	20	548	568	6.8	20.6	0.42
Regional							
R-11	07/12/13	22.9	855	878	51.8	159	3.0
R-28	n/a[b]	23.8	934.3	958.1	n/a	n/a	n/a
R-42	n/a	21.1	931.8	952.9	n/a	n/a	n/a
R-43 S1	07/16/13	21	904	925	65.9	199	1.33
R-43 S2	07/18/13	10	969	979	25.5	77	1.25
R-50 S1	07/09/13	10	1077	1087	50.3	155	2.44
R-50 S2	07/10/13	20.6	1185	1205.6	96.5	290	1.43
R-61 S1	07/15/13	10	1125	1135	60.4	727.2	2.12
R-61 S2	07/16/13	21	1220	1241	86.3	1056	2.20
R-62	07/19/13	21	1158	1179	48	150	1.2

[a] gpm = Gallons per minute.

[b] n/a = Not applicable.

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

Location	Deviation	Cause	Comment
R-28	Not sampled	The pumping test conflicted with sampling this location.	This location will be sampled during the next scheduled PME.
R-42	Not sampled	The pumping test conflicted with sampling this location.	This location will be sampled during the next scheduled PME.

Table 3.4-2
Analytes with PQLs above Screening Levels

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

Table 3.4-2 (continued)

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

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

[a] CAS = Chemical Abstracts Service.

[b] MDL = Method detection limit.

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

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

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

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

[a] n/a = Not applicable.

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

[c] CFR = Code of Federal Regulations.

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

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Intermediate Groundwater							
MCOI-6	07/09/13	Perchlorate	F*	60.8	µg/L	4	Consent Order
MCOI-6	07/09/13	Chromium	F	69.6	µg/L	50	NMWQCC Groundwater Standard
SCI-2	07/23/13	Chromium	F	406	µg/L	50	NMWQCC Groundwater Standard
Regional Groundwater							
R-61 S1	07/15/13	Perchlorate	F	6.67	µg/L	4	Consent Order
R-43 S1	07/16/13	Chromium	F	55.7	µg/L	50	NMWQCC Groundwater Standard
R-50 S1	07/09/13	Chromium	F	95.4	µg/L	50	NMWQCC Groundwater Standard
R-62	07/19/13	Chromium	F	136	µg/L	50	NMWQCC Groundwater Standard

* F = Filtered.

Appendix A

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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	07/09/13	WG[a]	Dissolved Oxygen	6.95	mg/L	CAMO-13-36972
MCOI-6	686	05/08/13	WG	Dissolved Oxygen	7.51	mg/L	CAMO-13-30573
MCOI-6	686	02/05/13	WG	Dissolved Oxygen	7.14	mg/L	CAMO-13-28407
MCOI-6	686	11/02/12	WG	Dissolved Oxygen	7.18	mg/L	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Dissolved Oxygen	7.1	mg/L	CAMO-12-21734
MCOI-6	686	07/09/13	WG	Oxidation-Reduction Potential	109.8	mV	CAMO-13-36972
MCOI-6	686	05/08/13	WG	Oxidation-Reduction Potential	164.7	mV	CAMO-13-30573
MCOI-6	686	02/05/13	WG	Oxidation-Reduction Potential	126.8	mV	CAMO-13-28407
MCOI-6	686	11/02/12	WG	Oxidation-Reduction Potential	110.6	mV	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Oxidation-Reduction Potential	104.5	mV	CAMO-12-21734
MCOI-6	686	07/09/13	WG	pH	7.03	SU[b]	CAMO-13-36972
MCOI-6	686	05/08/13	WG	pH	7.22	SU	CAMO-13-30573
MCOI-6	686	02/05/13	WG	pH	7.16	SU	CAMO-13-28407
MCOI-6	686	11/02/12	WG	pH	7.18	SU	CAMO-13-24239
MCOI-6	686	08/17/12	WG	pH	8.32	SU	CAMO-12-21734
MCOI-6	686	07/09/13	WG	Specific Conductance	595	µS/cm	CAMO-13-36972
MCOI-6	686	05/08/13	WG	Specific Conductance	596	µS/cm	CAMO-13-30573
MCOI-6	686	02/05/13	WG	Specific Conductance	565	µS/cm	CAMO-13-28407
MCOI-6	686	11/02/12	WG	Specific Conductance	623	µS/cm	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Specific Conductance	594	µS/cm	CAMO-12-21734
MCOI-6	686	07/09/13	WG	Temperature	17.19	deg C	CAMO-13-36972
MCOI-6	686	05/08/13	WG	Temperature	15.96	deg C	CAMO-13-30573
MCOI-6	686	02/05/13	WG	Temperature	14.81	deg C	CAMO-13-28407
MCOI-6	686	11/02/12	WG	Temperature	15.49	deg C	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Temperature	15.97	deg C	CAMO-12-21734
MCOI-6	686	07/09/13	WG	Turbidity	0.52	NTU[c]	CAMO-13-36972
MCOI-6	686	05/08/13	WG	Turbidity	3.9	NTU	CAMO-13-30573
MCOI-6	686	02/05/13	WG	Turbidity	0.45	NTU	CAMO-13-28407

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	11/02/12	WG	Turbidity	0.43	NTU	CAMO-13-24239
MCOI-6	686	08/17/12	WG	Turbidity	0.53	NTU	CAMO-12-21734
R-11	855	07/12/13	WG	Dissolved Oxygen	7.59	mg/L	CASA-13-36992
R-11	855	05/13/13	WG	Dissolved Oxygen	7.45	mg/L	CASA-13-30542
R-11	855	02/04/13	WG	Dissolved Oxygen	7.48	mg/L	CASA-13-28357
R-11	855	11/05/12	WG	Dissolved Oxygen	7.17	mg/L	CASA-13-24209
R-11	855	08/17/12	WG	Dissolved Oxygen	7.54	mg/L	CASA-12-21643
R-11	855	07/12/13	WG	Oxidation-Reduction Potential	157.9	mV	CASA-13-36992
R-11	855	05/13/13	WG	Oxidation-Reduction Potential	190.7	mV	CASA-13-30542
R-11	855	02/04/13	WG	Oxidation-Reduction Potential	94.7	mV	CASA-13-28357
R-11	855	11/05/12	WG	Oxidation-Reduction Potential	100.3	mV	CASA-13-24209
R-11	855	08/17/12	WG	Oxidation-Reduction Potential	227.5	mV	CASA-12-21643
R-11	855	07/12/13	WG	pH	8.02	SU	CASA-13-36992
R-11	855	05/13/13	WG	pH	7.96	SU	CASA-13-30542
R-11	855	02/04/13	WG	pH	7.95	SU	CASA-13-28357
R-11	855	11/05/12	WG	pH	8.04	SU	CASA-13-24209
R-11	855	08/17/12	WG	pH	7.98	SU	CASA-12-21643
R-11	855	07/12/13	WG	Specific Conductance	240	µS/cm	CASA-13-36992
R-11	855	05/13/13	WG	Specific Conductance	237	µS/cm	CASA-13-30542
R-11	855	02/04/13	WG	Specific Conductance	227	µS/cm	CASA-13-28357
R-11	855	11/05/12	WG	Specific Conductance	226	µS/cm	CASA-13-24209
R-11	855	08/17/12	WG	Specific Conductance	234	µS/cm	CASA-12-21643
R-11	855	07/12/13	WG	Temperature	22.28	deg C	CASA-13-36992
R-11	855	05/13/13	WG	Temperature	22.54	deg C	CASA-13-30542
R-11	855	02/04/13	WG	Temperature	21.15	deg C	CASA-13-28357
R-11	855	11/05/12	WG	Temperature	21.38	deg C	CASA-13-24209
R-11	855	08/17/12	WG	Temperature	21.38	deg C	CASA-12-21643
R-11	855	07/12/13	WG	Turbidity	0.7	NTU	CASA-13-36992

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-11	855	05/13/13	WG	Turbidity	0.4	NTU	CASA-13-30542
R-11	855	02/04/13	WG	Turbidity	0.28	NTU	CASA-13-28357
R-11	855	11/05/12	WG	Turbidity	0.34	NTU	CASA-13-24209
R-11	855	08/17/12	WG	Turbidity	0.17	NTU	CASA-12-21643
R-43 S1	903.9	07/16/13	WG	Dissolved Oxygen	7.01	mg/L	CASA-13-36989
R-43 S1	903.9	07/16/13	WG	Dissolved Oxygen	6.88	mg/L	CASA-13-39006
R-43 S1	903.9	05/15/13	WG	Dissolved Oxygen	6.81	mg/L	CASA-13-30554
R-43 S1	903.9	02/06/13	WG	Dissolved Oxygen	7.07	mg/L	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	Dissolved Oxygen	6.88	mg/L	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Dissolved Oxygen	6.86	mg/L	CASA-12-21644
R-43 S1	903.9	07/16/13	WG	Oxidation-Reduction Potential	166.1	mV	CASA-13-36989
R-43 S1	903.9	07/16/13	WG	Oxidation-Reduction Potential	162.5	mV	CASA-13-39006
R-43 S1	903.9	05/15/13	WG	Oxidation-Reduction Potential	223.4	mV	CASA-13-30554
R-43 S1	903.9	02/06/13	WG	Oxidation-Reduction Potential	166.1	mV	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	Oxidation-Reduction Potential	83.3	mV	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Oxidation-Reduction Potential	244.2	mV	CASA-12-21644
R-43 S1	903.9	07/16/13	WG	pH	8.2	SU	CASA-13-36989
R-43 S1	903.9	07/16/13	WG	pH	8.18	SU	CASA-13-39006
R-43 S1	903.9	05/15/13	WG	pH	8.17	SU	CASA-13-30554
R-43 S1	903.9	02/06/13	WG	pH	8.22	SU	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	pH	8.23	SU	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	pH	8.12	SU	CASA-12-21644
R-43 S1	903.9	07/16/13	WG	Specific Conductance	183	µS/cm	CASA-13-36989
R-43 S1	903.9	07/16/13	WG	Specific Conductance	176	µS/cm	CASA-13-39006
R-43 S1	903.9	05/15/13	WG	Specific Conductance	183	µS/cm	CASA-13-30554
R-43 S1	903.9	02/06/13	WG	Specific Conductance	180	µS/cm	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	Specific Conductance	176	µS/cm	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Specific Conductance	181	µS/cm	CASA-12-21644

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S1	903.9	07/16/13	WG	Temperature	20.87	deg C	CASA-13-36989
R-43 S1	903.9	07/16/13	WG	Temperature	19.1	deg C	CASA-13-39006
R-43 S1	903.9	05/15/13	WG	Temperature	20.16	deg C	CASA-13-30554
R-43 S1	903.9	02/06/13	WG	Temperature	18.9	deg C	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	Temperature	20.18	deg C	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Temperature	20.4	deg C	CASA-12-21644
R-43 S1	903.9	07/16/13	WG	Turbidity	0.3	NTU	CASA-13-36989
R-43 S1	903.9	07/16/13	WG	Turbidity	0.3	NTU	CASA-13-39006
R-43 S1	903.9	05/15/13	WG	Turbidity	1.88	NTU	CASA-13-30554
R-43 S1	903.9	02/06/13	WG	Turbidity	0.39	NTU	CASA-13-28358
R-43 S1	903.9	11/07/12	WG	Turbidity	0.51	NTU	CASA-13-24213
R-43 S1	903.9	08/14/12	WG	Turbidity	0.35	NTU	CASA-12-21644
R-43 S2	969.1	07/18/13	WG	Dissolved Oxygen	3.28	mg/L	CASA-13-36994
R-43 S2	969.1	05/14/13	WG	Dissolved Oxygen	3.11	mg/L	CASA-13-30547
R-43 S2	969.1	02/07/13	WG	Dissolved Oxygen	3.26	mg/L	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	Dissolved Oxygen	3.07	mg/L	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Dissolved Oxygen	2.95	mg/L	CASA-12-21649
R-43 S2	969.1	07/18/13	WG	Oxidation-Reduction Potential	66.3	mV	CASA-13-36994
R-43 S2	969.1	05/14/13	WG	Oxidation-Reduction Potential	168.7	mV	CASA-13-30547
R-43 S2	969.1	02/07/13	WG	Oxidation-Reduction Potential	58.4	mV	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	Oxidation-Reduction Potential	60.9	mV	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Oxidation-Reduction Potential	161.5	mV	CASA-12-21649
R-43 S2	969.1	07/18/13	WG	pH	8.59	SU	CASA-13-36994
R-43 S2	969.1	05/14/13	WG	pH	8.7	SU	CASA-13-30547
R-43 S2	969.1	02/07/13	WG	pH	8.78	SU	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	pH	8.78	SU	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	pH	8.71	SU	CASA-12-21649
R-43 S2	969.1	07/18/13	WG	Specific Conductance	195	µS/cm	CASA-13-36994

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43 S2	969.1	05/14/13	WG	Specific Conductance	192	µS/cm	CASA-13-30547
R-43 S2	969.1	02/07/13	WG	Specific Conductance	183	µS/cm	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	Specific Conductance	183	µS/cm	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Specific Conductance	191	µS/cm	CASA-12-21649
R-43 S2	969.1	07/18/13	WG	Temperature	20.24	deg C	CASA-13-36994
R-43 S2	969.1	05/14/13	WG	Temperature	19.51	deg C	CASA-13-30547
R-43 S2	969.1	02/07/13	WG	Temperature	18.88	deg C	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	Temperature	20.16	deg C	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Temperature	19.96	deg C	CASA-12-21649
R-43 S2	969.1	07/18/13	WG	Turbidity	0	NTU	CASA-13-36994
R-43 S2	969.1	05/14/13	WG	Turbidity	0.17	NTU	CASA-13-30547
R-43 S2	969.1	02/07/13	WG	Turbidity	0.23	NTU	CASA-13-28359
R-43 S2	969.1	11/07/12	WG	Turbidity	0.38	NTU	CASA-13-24214
R-43 S2	969.1	08/13/12	WG	Turbidity	0.19	NTU	CASA-12-21649
R-50 S1	1077	07/09/13	WG	Dissolved Oxygen	5.47	mg/L	CAMO-13-36983
R-50 S1	1077	05/10/13	WG	Dissolved Oxygen	5.48	mg/L	CAMO-13-30582
R-50 S1	1077	02/04/13	WG	Dissolved Oxygen	5.49	mg/L	CAMO-13-28410
R-50 S1	1077	11/09/12	WG	Dissolved Oxygen	5.55	mg/L	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Dissolved Oxygen	5.27	mg/L	CAMO-12-21737
R-50 S1	1077	07/09/13	WG	Oxidation-Reduction Potential	151.5	mV	CAMO-13-36983
R-50 S1	1077	05/10/13	WG	Oxidation-Reduction Potential	248.8	mV	CAMO-13-30582
R-50 S1	1077	02/04/13	WG	Oxidation-Reduction Potential	155.1	mV	CAMO-13-28410
R-50 S1	1077	11/09/12	WG	Oxidation-Reduction Potential	81.5	mV	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Oxidation-Reduction Potential	156.6	mV	CAMO-12-21737
R-50 S1	1077	07/09/13	WG	pH	7.92	SU	CAMO-13-36983
R-50 S1	1077	05/10/13	WG	pH	7.66	SU	CAMO-13-30582
R-50 S1	1077	02/04/13	WG	pH	7.91	SU	CAMO-13-28410
R-50 S1	1077	11/09/12	WG	pH	8.04	SU	CAMO-13-24249

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S1	1077	08/15/12	WG	pH	8.02	SU	CAMO-12-21737
R-50 S1	1077	07/09/13	WG	Specific Conductance	184	µS/cm	CAMO-13-36983
R-50 S1	1077	05/10/13	WG	Specific Conductance	192	µS/cm	CAMO-13-30582
R-50 S1	1077	02/04/13	WG	Specific Conductance	164	µS/cm	CAMO-13-28410
R-50 S1	1077	11/09/12	WG	Specific Conductance	185	µS/cm	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Specific Conductance	175	µS/cm	CAMO-12-21737
R-50 S1	1077	07/09/13	WG	Temperature	21.4	deg C	CAMO-13-36983
R-50 S1	1077	05/10/13	WG	Temperature	20.81	deg C	CAMO-13-30582
R-50 S1	1077	02/04/13	WG	Temperature	19.01	deg C	CAMO-13-28410
R-50 S1	1077	11/09/12	WG	Temperature	18.06	deg C	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Temperature	20.7	deg C	CAMO-12-21737
R-50 S1	1077	07/09/13	WG	Turbidity	0.7	NTU	CAMO-13-36983
R-50 S1	1077	05/10/13	WG	Turbidity	0.7	NTU	CAMO-13-30582
R-50 S1	1077	02/04/13	WG	Turbidity	0.4	NTU	CAMO-13-28410
R-50 S1	1077	11/09/12	WG	Turbidity	0.63	NTU	CAMO-13-24249
R-50 S1	1077	08/15/12	WG	Turbidity	0.82	NTU	CAMO-12-21737
R-50 S2	1185	07/10/13	WG	Dissolved Oxygen	7.12	mg/L	CAMO-13-36984
R-50 S2	1185	05/13/13	WG	Dissolved Oxygen	7.29	mg/L	CAMO-13-30583
R-50 S2	1185	01/31/13	WG	Dissolved Oxygen	7.27	mg/L	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	Dissolved Oxygen	7.04	mg/L	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Dissolved Oxygen	6.93	mg/L	CAMO-12-21746
R-50 S2	1185	07/10/13	WG	Oxidation-Reduction Potential	87.8	mV	CAMO-13-36984
R-50 S2	1185	05/13/13	WG	Oxidation-Reduction Potential	117	mV	CAMO-13-30583
R-50 S2	1185	01/31/13	WG	Oxidation-Reduction Potential	-14.4	mV	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	Oxidation-Reduction Potential	74	mV	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Oxidation-Reduction Potential	201.7	mV	CAMO-12-21746
R-50 S2	1185	07/10/13	WG	pH	7.88	SU	CAMO-13-36984
R-50 S2	1185	05/13/13	WG	pH	8.07	SU	CAMO-13-30583

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50 S2	1185	01/31/13	WG	pH	8.1	SU	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	pH	8.13	SU	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	pH	8.06	SU	CAMO-12-21746
R-50 S2	1185	07/10/13	WG	Specific Conductance	132	µS/cm	CAMO-13-36984
R-50 S2	1185	05/13/13	WG	Specific Conductance	131	µS/cm	CAMO-13-30583
R-50 S2	1185	01/31/13	WG	Specific Conductance	135	µS/cm	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	Specific Conductance	139	µS/cm	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Specific Conductance	127	µS/cm	CAMO-12-21746
R-50 S2	1185	07/10/13	WG	Temperature	21.82	deg C	CAMO-13-36984
R-50 S2	1185	05/13/13	WG	Temperature	22.85	deg C	CAMO-13-30583
R-50 S2	1185	01/31/13	WG	Temperature	19.45	deg C	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	Temperature	18.57	deg C	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Temperature	21.64	deg C	CAMO-12-21746
R-50 S2	1185	07/10/13	WG	Turbidity	4.8	NTU	CAMO-13-36984
R-50 S2	1185	05/13/13	WG	Turbidity	1	NTU	CAMO-13-30583
R-50 S2	1185	01/31/13	WG	Turbidity	1.83	NTU	CAMO-13-28411
R-50 S2	1185	11/09/12	WG	Turbidity	1.24	NTU	CAMO-13-24250
R-50 S2	1185	08/16/12	WG	Turbidity	0.43	NTU	CAMO-12-21746
R-61 S1	1125	07/15/13	WG	Dissolved Oxygen	4.88	mg/L	CAMO-13-36977
R-61 S1	1125	05/17/13	WG	Dissolved Oxygen	5.97	mg/L	CAMO-13-30584
R-61 S1	1125	02/11/13	WG	Dissolved Oxygen	5.44	mg/L	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	Dissolved Oxygen	4.77	mg/L	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	0.48	mg/L	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	0.42	mg/L	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	0.76	mg/L	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Dissolved Oxygen	1.51	mg/L	CAMO-12-13965
R-61 S1	1125	07/15/13	WG	Oxidation-Reduction Potential	64.6	mV	CAMO-13-36977
R-61 S1	1125	05/17/13	WG	Oxidation-Reduction Potential	251.4	mV	CAMO-13-30584

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	02/11/13	WG	Oxidation-Reduction Potential	14.5	mV	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	Oxidation-Reduction Potential	202.1	mV	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-52.2	mV	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-74.3	mV	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-42.1	mV	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Oxidation-Reduction Potential	-23.5	mV	CAMO-12-13965
R-61 S1	1125	07/15/13	WG	pH	6.75	SU	CAMO-13-36977
R-61 S1	1125	05/17/13	WG	pH	6.71	SU	CAMO-13-30584
R-61 S1	1125	02/11/13	WG	pH	6.65	SU	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	pH	6.53	SU	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	pH	6.65	SU	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	pH	7.07	SU	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	pH	7.04	SU	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	pH	7	SU	CAMO-12-13965
R-61 S1	1125	07/15/13	WG	Specific Conductance	148	µS/cm	CAMO-13-36977
R-61 S1	1125	05/17/13	WG	Specific Conductance	155	µS/cm	CAMO-13-30584
R-61 S1	1125	02/11/13	WG	Specific Conductance	167	µS/cm	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	Specific Conductance	180	µS/cm	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Specific Conductance	200	µS/cm	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	Specific Conductance	172	µS/cm	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Specific Conductance	157	µS/cm	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Specific Conductance	157	µS/cm	CAMO-12-13965
R-61 S1	1125	07/15/13	WG	Temperature	20.29	deg C	CAMO-13-36977
R-61 S1	1125	05/17/13	WG	Temperature	20.89	deg C	CAMO-13-30584
R-61 S1	1125	02/11/13	WG	Temperature	19.43	deg C	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	Temperature	19.4	deg C	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Temperature	20.09	deg C	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	Temperature	20.38	deg C	CAMO-12-13963

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S1	1125	05/09/12	WG	Temperature	20.86	deg C	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Temperature	21.28	deg C	CAMO-12-13965
R-61 S1	1125	07/15/13	WG	Turbidity	1.6	NTU	CAMO-13-36977
R-61 S1	1125	05/17/13	WG	Turbidity	3	NTU	CAMO-13-30584
R-61 S1	1125	02/11/13	WG	Turbidity	4.4	NTU	CAMO-13-28412
R-61 S1	1125	11/15/12	WG	Turbidity	4.55	NTU	CAMO-13-24251
R-61 S1	1125	05/09/12	WG	Turbidity	2.86	NTU	CAMO-12-13962
R-61 S1	1125	05/09/12	WG	Turbidity	5.86	NTU	CAMO-12-13963
R-61 S1	1125	05/09/12	WG	Turbidity	4.49	NTU	CAMO-12-13964
R-61 S1	1125	05/09/12	WG	Turbidity	1.29	NTU	CAMO-12-13965
R-61 S2	1220.4	07/16/13	WG	Dissolved Oxygen	1.54	mg/L	CAMO-13-36978
R-61 S2	1220.4	05/22/13	WG	Dissolved Oxygen	2.96	mg/L	CAMO-13-30585
R-61 S2	1220.4	02/12/13	WG	Dissolved Oxygen	1.85	mg/L	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	Dissolved Oxygen	3.34	mg/L	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	1.18	mg/L	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	0.3	mg/L	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	0.39	mg/L	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Dissolved Oxygen	0.42	mg/L	CAMO-12-13969
R-61 S2	1220.4	07/16/13	WG	Oxidation-Reduction Potential	-47.5	mV	CAMO-13-36978
R-61 S2	1220.4	05/22/13	WG	Oxidation-Reduction Potential	93.6	mV	CAMO-13-30585
R-61 S2	1220.4	02/12/13	WG	Oxidation-Reduction Potential	-83.4	mV	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	Oxidation-Reduction Potential	48.7	mV	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-148.9	mV	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-77.3	mV	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-78.1	mV	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Oxidation-Reduction Potential	-59.4	mV	CAMO-12-13969
R-61 S2	1220.4	07/16/13	WG	pH	6.5	SU	CAMO-13-36978
R-61 S2	1220.4	05/22/13	WG	pH	6.56	SU	CAMO-13-30585

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	02/12/13	WG	pH	6.47	SU	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	pH	6.46	SU	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	pH	7.13	SU	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	pH	6.82	SU	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	pH	6.82	SU	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	pH	6.81	SU	CAMO-12-13969
R-61 S2	1220.4	07/16/13	WG	Specific Conductance	183	µS/cm	CAMO-13-36978
R-61 S2	1220.4	05/22/13	WG	Specific Conductance	152	µS/cm	CAMO-13-30585
R-61 S2	1220.4	02/12/13	WG	Specific Conductance	205	µS/cm	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	Specific Conductance	199	µS/cm	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	193	µS/cm	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	243	µS/cm	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	220	µS/cm	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Specific Conductance	175	µS/cm	CAMO-12-13969
R-61 S2	1220.4	07/16/13	WG	Temperature	20.53	deg C	CAMO-13-36978
R-61 S2	1220.4	05/22/13	WG	Temperature	21.05	deg C	CAMO-13-30585
R-61 S2	1220.4	02/12/13	WG	Temperature	18.96	deg C	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	Temperature	19.28	deg C	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Temperature	16.14	deg C	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	Temperature	19.07	deg C	CAMO-12-13967
R-61 S2	1220.4	05/09/12	WG	Temperature	19.64	deg C	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Temperature	20.96	deg C	CAMO-12-13969
R-61 S2	1220.4	07/16/13	WG	Turbidity	3.2	NTU	CAMO-13-36978
R-61 S2	1220.4	05/22/13	WG	Turbidity	12.3	NTU	CAMO-13-30585
R-61 S2	1220.4	02/12/13	WG	Turbidity	4.63	NTU	CAMO-13-28413
R-61 S2	1220.4	11/15/12	WG	Turbidity	6.19	NTU	CAMO-13-24252
R-61 S2	1220.4	05/09/12	WG	Turbidity	3.03	NTU	CAMO-12-13966
R-61 S2	1220.4	05/09/12	WG	Turbidity	0.91	NTU	CAMO-12-13967

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61 S2	1220.4	05/09/12	WG	Turbidity	0.96	NTU	CAMO-12-13968
R-61 S2	1220.4	05/09/12	WG	Turbidity	0.84	NTU	CAMO-12-13969
R-62	1158.4	07/19/13	WG	Dissolved Oxygen	5.31	mg/L	CAMO-13-36979
R-62	1158.4	05/08/13	WG	Dissolved Oxygen	5.03	mg/L	CAMO-13-30602
R-62	1158.4	02/05/13	WG	Dissolved Oxygen	5.37	mg/L	CAMO-13-28414
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	5.41	mg/L	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	6.34	mg/L	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	6.56	mg/L	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Dissolved Oxygen	6.78	mg/L	CAMO-13-24537
R-62	1158.4	08/08/12	WG	Dissolved Oxygen	6.01	mg/L	CAMO-12-21741
R-62	1158.4	07/19/13	WG	Oxidation-Reduction Potential	126.4	mV	CAMO-13-36979
R-62	1158.4	05/08/13	WG	Oxidation-Reduction Potential	192.2	mV	CAMO-13-30602
R-62	1158.4	02/05/13	WG	Oxidation-Reduction Potential	179.4	mV	CAMO-13-28414
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	57.9	mV	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	60.9	mV	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	67.1	mV	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Oxidation-Reduction Potential	68.1	mV	CAMO-13-24537
R-62	1158.4	08/08/12	WG	Oxidation-Reduction Potential	72.7	mV	CAMO-12-21741
R-62	1158.4	07/19/13	WG	pH	8.59	SU	CAMO-13-36979
R-62	1158.4	05/08/13	WG	pH	8.52	SU	CAMO-13-30602
R-62	1158.4	02/05/13	WG	pH	8.71	SU	CAMO-13-28414
R-62	1158.4	11/08/12	WG	pH	8.77	SU	CAMO-13-24253
R-62	1158.4	11/08/12	WG	pH	8.54	SU	CAMO-13-24533
R-62	1158.4	11/08/12	WG	pH	8.44	SU	CAMO-13-24534
R-62	1158.4	11/08/12	WG	pH	8.37	SU	CAMO-13-24537
R-62	1158.4	08/08/12	WG	pH	8.31	SU	CAMO-12-21741
R-62	1158.4	07/19/13	WG	Specific Conductance	187	µS/cm	CAMO-13-36979
R-62	1158.4	05/08/13	WG	Specific Conductance	178	µS/cm	CAMO-13-30602

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-62	1158.4	02/05/13	WG	Specific Conductance	184	µS/cm	CAMO-13-28414
R-62	1158.4	11/08/12	WG	Specific Conductance	188	µS/cm	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Specific Conductance	188	µS/cm	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Specific Conductance	190	µS/cm	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Specific Conductance	190	µS/cm	CAMO-13-24537
R-62	1158.4	08/08/12	WG	Specific Conductance	165	µS/cm	CAMO-12-21741
R-62	1158.4	07/19/13	WG	Temperature	20.5	deg C	CAMO-13-36979
R-62	1158.4	05/08/13	WG	Temperature	19.67	deg C	CAMO-13-30602
R-62	1158.4	02/05/13	WG	Temperature	19.14	deg C	CAMO-13-28414
R-62	1158.4	11/08/12	WG	Temperature	19.22	deg C	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Temperature	19.84	deg C	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Temperature	20	deg C	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Temperature	19.92	deg C	CAMO-13-24537
R-62	1158.4	08/08/12	WG	Temperature	21.83	deg C	CAMO-12-21741
R-62	1158.4	07/19/13	WG	Turbidity	3	NTU	CAMO-13-36979
R-62	1158.4	05/08/13	WG	Turbidity	4.5	NTU	CAMO-13-30602
R-62	1158.4	02/05/13	WG	Turbidity	0.31	NTU	CAMO-13-28414
R-62	1158.4	11/08/12	WG	Turbidity	0.55	NTU	CAMO-13-24253
R-62	1158.4	11/08/12	WG	Turbidity	1.64	NTU	CAMO-13-24533
R-62	1158.4	11/08/12	WG	Turbidity	1.02	NTU	CAMO-13-24534
R-62	1158.4	11/08/12	WG	Turbidity	2.95	NTU	CAMO-13-24537
R-62	1158.4	08/08/12	WG	Turbidity	0.65	NTU	CAMO-12-21741
SCI-2	548	07/23/13	WG	Dissolved Oxygen	8.26	mg/L	CASA-13-36991
SCI-2	548	05/21/13	WG	Dissolved Oxygen	9.22	mg/L	CASA-13-30549
SCI-2	548	01/31/13	WG	Dissolved Oxygen	9.71	mg/L	CASA-13-28360
SCI-2	548	11/05/12	WG	Dissolved Oxygen	9.77	mg/L	CASA-13-24216
SCI-2	548	08/13/12	WG	Dissolved Oxygen	8.23	mg/L	CASA-12-21646
SCI-2	548	07/23/13	WG	Oxidation-Reduction Potential	180.2	mV	CASA-13-36991

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-2	548	05/21/13	WG	Oxidation-Reduction Potential	221.7	mV	CASA-13-30549
SCI-2	548	01/31/13	WG	Oxidation-Reduction Potential	217.6	mV	CASA-13-28360
SCI-2	548	11/05/12	WG	Oxidation-Reduction Potential	149.1	mV	CASA-13-24216
SCI-2	548	08/13/12	WG	Oxidation-Reduction Potential	170.4	mV	CASA-12-21646
SCI-2	548	07/23/13	WG	pH	7.39	SU	CASA-13-36991
SCI-2	548	05/21/13	WG	pH	7.42	SU	CASA-13-30549
SCI-2	548	01/31/13	WG	pH	7.5	SU	CASA-13-28360
SCI-2	548	11/05/12	WG	pH	7.46	SU	CASA-13-24216
SCI-2	548	08/13/12	WG	pH	8.15	SU	CASA-12-21646
SCI-2	548	07/23/13	WG	Specific Conductance	608	µS/cm	CASA-13-36991
SCI-2	548	05/21/13	WG	Specific Conductance	622	µS/cm	CASA-13-30549
SCI-2	548	01/31/13	WG	Specific Conductance	602	µS/cm	CASA-13-28360
SCI-2	548	11/05/12	WG	Specific Conductance	590	µS/cm	CASA-13-24216
SCI-2	548	08/13/12	WG	Specific Conductance	592	µS/cm	CASA-12-21646
SCI-2	548	07/23/13	WG	Temperature	16.05	deg C	CASA-13-36991
SCI-2	548	05/21/13	WG	Temperature	14.47	deg C	CASA-13-30549
SCI-2	548	01/31/13	WG	Temperature	13.9	deg C	CASA-13-28360
SCI-2	548	11/05/12	WG	Temperature	14.35	deg C	CASA-13-24216
SCI-2	548	08/13/12	WG	Temperature	16.08	deg C	CASA-12-21646
SCI-2	548	07/23/13	WG	Turbidity	0.2	NTU	CASA-13-36991
SCI-2	548	05/21/13	WG	Turbidity	1.2	NTU	CASA-13-30549
SCI-2	548	01/31/13	WG	Turbidity	1.54	NTU	CASA-13-28360
SCI-2	548	11/05/12	WG	Turbidity	3.15	NTU	CASA-13-24216
SCI-2	548	08/13/12	WG	Turbidity	4.22	NTU	CASA-12-21646

[a] WG = Groundwater.

[b] SU = Standard unit.

[c] NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

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

Acronyms and Abbreviations

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

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

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Secondary Validation Flag Codes

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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.4	—	—	0.01	SU	Y	H	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.63	—	—	0.01	SU	Y	H	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.32	—	—	0.01	SU	Y	H	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.38	—	—	0.01	SU	Y	H	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.33	—	—	0.01	SU	Y	H	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	98.3	—	—	0.725	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	94.9	—	—	0.725	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97.8	—	—	0.725	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96	—	—	0.725	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97	—	—	0.725	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.2	—	—	1	µg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	41.1	—	—	1	µg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	43.4	—	—	1	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46.9	—	—	1	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.8	—	—	1	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	51.9	—	—	15	µg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	42.3	—	—	15	µg/L	Y	J	J	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50	—	—	15	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50.4	—	—	15	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50.8	—	—	15	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.621	—	—	0.067	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.587	—	—	0.067	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.604	—	—	0.067	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.702	—	—	0.067	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.633	—	—	0.067	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	69.7	—	—	0.05	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	63.9	—	—	0.05	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67.9	—	—	0.05	mg/L	Y	—	J-	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	71.6	—	—	0.05	mg/L	Y	—	J-	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67	—	—	0.05	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	61.7	—	—	0.67	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	58.2	—	—	0.67	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.1	—	—	0.335	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	58.6	—	—	0.67	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	54.8	—	—	0.67	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	69.6	—	—	2	µg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	73.2	—	—	2	µg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	66.1	—	—	2	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	61.6	—	—	2	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	64.6	—	—	2	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	4.48	—	—	3	µg/L	Y	J	J	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	6.12	—	—	3	µg/L	Y	J	J	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	7.18	—	—	3	µg/L	Y	J	J	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	13.1	—	—	3	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	5.52	—	—	3	µg/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.626	—	—	0.033	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.475	—	—	0.033	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.499	—	—	0.033	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.563	—	—	0.033	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.503	—	—	0.033	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	233	—	—	0.453	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	213	—	—	0.453	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	228	—	—	0.453	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	240	—	—	0.453	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	223	—	—	0.453	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.4	—	—	0.11	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	13	—	—	0.11	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.2	—	—	0.11	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15	—	—	0.11	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	13.5	—	—	0.11	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.91	—	—	2	µg/L	Y	J	J	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.92	—	—	2	µg/L	Y	J	J	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.08	—	—	2	µg/L	Y	J	J	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.88	—	—	2	µg/L	Y	J	J	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.59	—	—	2	µg/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.7	—	—	0.165	µg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.45	—	—	0.165	µg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.49	—	—	0.165	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	—	0.165	µg/L	Y	—	J	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.165	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	40.7	—	—	0.5	µg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	41.3	—	—	0.5	µg/L	Y	N	J+	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	36.5	—	—	0.5	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	38.1	—	—	0.5	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	40.1	—	—	0.5	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.69	—	—	0.17	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.19	—	—	0.17	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.62	—	—	0.17	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	8.5	—	—	0.425	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.96	—	—	0.17	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	60.8	—	—	5	µg/L	Y	—	J+	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	63.3	—	—	5	µg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	56.3	—	—	5	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	63.5	—	—	5	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	60.6	—	—	5	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.781	—	—	0.05	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.881	—	—	0.05	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.906	—	—	0.05	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.06	—	—	0.05	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.882	—	—	0.05	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.5	—	—	0.053	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.3	—	—	0.053	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.2	—	—	0.053	mg/L	Y	—	J-	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.9	—	—	0.053	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.9	—	—	0.053	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.3	—	—	0.1	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	25.5	—	—	0.1	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	27.8	—	—	0.1	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	28.8	—	—	0.1	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	27.4	—	—	0.1	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	581	—	—	1	µS/cm	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	611	—	—	1	µS/cm	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	579	—	—	1	µS/cm	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	591	—	—	1	µS/cm	Y	—	NQ	2013-267	CAMO-13-24256	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	µS/cm	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	306	—	—	1	µg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	305	—	—	1	µg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	312	—	—	1	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	325	—	—	1	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	322	—	—	1	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	66.8	—	—	1.33	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	61	—	—	1.33	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	62.6	—	—	0.665	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	66.1	—	—	1.33	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	60.6	—	—	1.33	mg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	413	—	—	3.4	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	404	—	—	3.4	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	417	—	—	3.4	mg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	390	—	—	3.4	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	419	—	—	3.4	mg/L	Y	—	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0819	—	—	0.033	mg/L	Y	J	J	2013-1092	CAMO-13-36972	GELC
MCOI-6	686	05/08/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.116	—	—	0.033	mg/L	Y	—	NQ	2013-823	CAMO-13-30573	GELC
MCOI-6	686	02/05/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0797	—	—	0.033	mg/L	Y	J	U	2013-511	CAMO-13-28407	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.163	—	—	0.035	mg/L	Y	—	J-	2013-267	CAMO-13-24239	GELC
MCOI-6	686	08/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0945	—	—	0.035	mg/L	Y	J	J-	12-1509	CAMO-12-21734	GELC
MCOI-6	686	07/09/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.08	—	—	0.33	mg/L	Y	—	NQ	2013-1092	CAMO-13-36972	GELC
MCOI-6	686	05/08/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.31	—	—	0.33	mg/L	Y	—	NQ	2013-823	CAMO-13-30573	GELC
MCOI-6	686	02/05/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.21	—	—	0.33	mg/L	Y	—	NQ	2013-511	CAMO-13-28407	GELC
MCOI-6	686	11/02/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.09	—	—	0.33	mg/L	Y	—	U	2013-267	CAMO-13-24239	GELC
MCOI-6	686	08/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.29	—	—	0.33	mg/L	Y	—	NQ	12-1509	CAMO-12-21734	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.156	—	—	0.017	mg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.371	—	—	0.017	mg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0785	—	—	0.017	mg/L	Y	—	U	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0976	—	—	0.017	mg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0859	—	—	0.017	mg/L	Y	—	U	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.32	—	—	0.067	µg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.27	—	—	0.067	µg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.18	—	—	0.067	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.26	—	—	0.067	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.31	—	—	0.067	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.02	—	—	1	µg/L	Y	J	J	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.38	—	—	1	µg/L	Y	J	J	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.33	—	—	1	µg/L	Y	J	J	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.53	—	—	1	µg/L	Y	J	J	12-1509	CAMO-12-21742	GELC
MCOI-6	686	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	25.3	—	—	3.3	µg/L	Y	—	NQ	2013-1092	CAMO-13-36980	GELC
MCOI-6	686	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	15.9	—	—	3.3	µg/L	Y	—	NQ	2013-823	CAMO-13-30589	GELC
MCOI-6	686	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	17.9	—	—	3.3	µg/L	Y	—	NQ	2013-511	CAMO-13-28415	GELC
MCOI-6	686	11/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	24.8	—	—	3.3	µg/L	Y	—	NQ	2013-267	CAMO-13-24256	GELC
MCOI-6	686	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	30.2	—	—	3.3	µg/L	Y	—	NQ	12-1509	CAMO-12-21742	GELC
R-11	855	07/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	2013-270	CASA-13-24217	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.6	—	—	0.725	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68	—	—	0.725	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68	—	—	0.725	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.1	—	—	0.725	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70	—	—	0.725	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.2	—	—	0.725	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.7	—	—	0.725	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40	—	—	1	µg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	43.9	—	—	1	µg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	43.2	—	—	1	µg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.9	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.7	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.4	—	—	1	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.8	—	—	1	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.8	—	—	15	µg/L	Y	J	J	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.6	—	—	15	µg/L	Y	J	J	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	19	—	—	15	µg/L	Y	J	J	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.1	—	—	15	µg/L	Y	J	J	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	26.7	—	—	15	µg/L	Y	J	J	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.3	—	—	15	µg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.9	—	—	15	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0974	—	—	0.067	mg/L	Y	J	J	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.102	—	—	0.067	mg/L	Y	J	J	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0967	—	—	0.067	mg/L	Y	J	J	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.126	—	—	0.067	mg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0882	—	—	0.067	mg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.2	—	—	0.05	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.6	—	—	0.05	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.1	—	—	0.05	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.3	—	—	0.05	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.9	—	—	0.05	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.4	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.7	—	—	0.05	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.95	—	—	0.067	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.31	—	—	0.067	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.59	—	—	0.067	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.37	—	—	0.067	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.49	—	—	0.067	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.26	—	—	0.067	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.83	—	—	0.067	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	26.4	—	—	2	µg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	31.9	—	—	2	µg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	31.5	—	—	2	µg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	28.6	—	—	2	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	26.8	—	—	2	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	23.7	—	—	2	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	20.3	—	—	2	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.362	—	—	0.033	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.418	—	—	0.033	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	05/13/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.45	—	—	0.033	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.357	—	—	0.033	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.356	—	—	0.033	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.421	—	—	0.033	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.378	—	—	0.033	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.4	—	—	0.453	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89	—	—	0.453	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	86.5	—	—	0.453	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.3	—	—	0.453	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	83.8	—	—	0.453	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.9	—	—	0.453	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.8	—	—	0.453	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.44	—	—	0.11	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.7	—	—	0.11	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.4	—	—	0.11	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.6	—	—	0.11	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.44	—	—	0.11	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.77	—	—	0.11	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.08	—	—	0.11	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.64	—	—	0.165	µg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	—	0.165	µg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.43	—	—	0.165	µg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.165	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.45	—	—	0.165	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.51	—	—	0.165	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.165	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.63	—	—	0.5	µg/L	Y	J	J	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.1	—	—	0.5	µg/L	Y	J	J	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.08	—	—	0.5	µg/L	Y	J	J	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	µg/L	Y	J	J	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.34	—	—	0.5	µg/L	Y	J	J	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.619	—	—	0.5	µg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.617	—	—	0.5	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	6.05	—	—	0.17	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.15	—	—	0.085	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.05	—	—	0.085	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.56	—	—	0.17	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.49	—	—	0.17	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.93	—	—	0.425	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.26	—	—	0.17	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.889	—	—	0.05	µg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.886	—	—	0.05	µg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.884	—	—	0.05	µg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.915	—	—	0.05	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.935	—	—	0.05	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.86	—	—	0.05	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.899	—	—	0.05	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.43	—	—	0.05	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.78	—	—	0.05	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.63	—	—	0.05	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.53	—	—	0.05	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.65	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.64	—	—	1.5	µg/L	Y	J	J	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.35	—	—	1.5	µg/L	Y	J	J	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	Y	2.36	—	—	1.5	µg/L	Y	J	J	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.86	—	—	1.5	µg/L	Y	J	J	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	Y	1.73	—	—	1.5	µg/L	Y	J	J	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.88	—	—	1.5	µg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.76	—	—	1.5	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.5	—	—	0.053	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80	—	—	0.053	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.6	—	—	0.053	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74	—	—	0.053	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.7	—	—	0.053	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.4	—	—	0.053	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.8	—	—	0.053	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13	—	—	0.1	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.5	—	—	0.1	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	235	—	—	1	µS/cm	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	242	—	—	1	µS/cm	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	241	—	—	1	µS/cm	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	226	—	—	1	µS/cm	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	µS/cm	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	234	—	—	1	µS/cm	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	µS/cm	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	92.4	—	—	1	µg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	99.3	—	—	1	µg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	97.3	—	—	1	µg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	93.6	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	92	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.3	—	—	1	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.6	—	—	1	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.9	—	—	0.133	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.4	—	—	0.133	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.2	—	—	0.133	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.1	—	—	0.133	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.5	—	—	0.133	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.4	—	—	0.133	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12	—	—	0.133	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	184	—	—	3.4	mg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	204	—	—	3.4	mg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	187	—	—	3.4	mg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	194	—	—	3.4	mg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	214	—	—	3.4	mg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.77	—	—	0.33	mg/L	Y	J	J	2013-1129	CASA-13-36988	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	05/13/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.612	—	—	0.33	mg/L	Y	J	J	2013-840	CASA-13-30542	GELC
R-11	855	05/13/13	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.681	—	—	0.33	mg/L	Y	J	J	2013-840	CASA-13-30540	GELC
R-11	855	02/04/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.984	—	—	0.33	mg/L	Y	J	J	2013-507	CASA-13-28357	GELC
R-11	855	02/04/13	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.897	—	—	0.33	mg/L	Y	J	J	2013-507	CASA-13-28355	GELC
R-11	855	11/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2013-270	CASA-13-24209	GELC
R-11	855	08/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.496	—	—	0.33	mg/L	Y	J	J	12-1508	CASA-12-21643	GELC
R-11	855	07/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0188	—	—	0.017	mg/L	Y	J	J	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0492	—	—	0.017	mg/L	Y	J	J	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0323	—	—	0.017	mg/L	Y	J	U	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0252	—	—	0.017	mg/L	Y	J	U	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0308	—	—	0.017	mg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0349	—	—	0.017	mg/L	Y	J	U	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.792	—	—	0.067	µg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.696	—	—	0.067	µg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.654	—	—	0.067	µg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.679	—	—	0.067	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.678	—	—	0.067	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.758	—	—	0.067	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.714	—	—	0.067	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.26	—	—	1	µg/L	Y	—	NQ	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.83	—	—	1	µg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.75	—	—	1	µg/L	Y	—	NQ	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.32	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.13	—	—	1	µg/L	Y	—	NQ	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.53	—	—	1	µg/L	Y	—	NQ	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.54	—	—	1	µg/L	Y	—	NQ	12-1508	CASA-12-21647	GELC
R-11	855	07/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.48	—	—	3.3	µg/L	Y	J	J	2013-1129	CASA-13-36992	GELC
R-11	855	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	17.2	—	—	3.3	µg/L	Y	—	NQ	2013-840	CASA-13-30550	GELC
R-11	855	05/13/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.98	—	—	3.3	µg/L	Y	J	J	2013-840	CASA-13-30541	GELC
R-11	855	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.35	—	—	3.3	µg/L	Y	J	J	2013-507	CASA-13-28361	GELC
R-11	855	02/04/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.43	—	—	3.3	µg/L	Y	J	J	2013-507	CASA-13-28356	GELC
R-11	855	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.94	—	—	3.3	µg/L	Y	J	J	2013-270	CASA-13-24217	GELC
R-11	855	08/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.79	—	—	3.3	µg/L	Y	J	J	12-1508	CASA-12-21647	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.69	—	—	0.01	SU	Y	H	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	0.01	SU	Y	H	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	—	—	0.01	SU	Y	H	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	42.6	—	—	0.725	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.1	—	—	0.725	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	42.9	—	—	0.725	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.8	—	—	0.725	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	42.3	—	—	0.725	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.8	—	—	1	µg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.8	—	—	1	µg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.2	—	—	1	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.1	—	—	1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.3	—	—	15	µg/L	Y	J	J	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-516	CASA-13-28362	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.7	—	—	15	µg/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0944	—	—	0.067	mg/L	Y	J	J	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0979	—	—	0.067	mg/L	Y	J	J	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0975	—	—	0.067	mg/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.8	—	—	0.05	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.3	—	—	0.05	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.3	—	—	0.05	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.1	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.4	—	—	0.05	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.81	—	—	0.067	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.03	—	—	0.067	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.18	—	—	0.067	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.26	—	—	0.067	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.11	—	—	0.067	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	55.7	—	—	2	µg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	50.5	—	—	2	µg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	43.1	—	—	2	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	49.6	—	—	2	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	42.2	—	—	2	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.351	—	—	0.033	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.367	—	—	0.033	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.343	—	—	0.033	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.406	—	—	0.033	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.4	—	—	0.453	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62	—	—	0.453	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.3	—	—	0.453	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.1	—	—	0.453	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.9	—	—	0.453	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.91	—	—	0.11	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.98	—	—	0.11	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.88	—	—	0.11	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.07	—	—	0.11	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.11	—	—	0.11	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.165	µg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.05	—	—	0.165	µg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.31	—	—	0.165	µg/L	Y	—	U	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.31	—	—	0.165	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.165	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.99	—	—	0.5	µg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.36	—	—	0.5	µg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.26	—	—	0.5	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.21	—	—	0.5	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.24	—	—	0.5	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.35	—	—	0.085	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.38	—	—	0.17	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.05	—	—	0.085	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.35	—	—	0.085	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.92	—	—	0.17	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.903	—	—	0.1	µg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.895	—	—	0.05	µg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.984	—	—	0.1	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.905	—	—	0.1	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.99	—	—	0.1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.27	—	—	0.05	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.95	—	—	1.5	µg/L	Y	J	J	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.37	—	—	1.5	µg/L	Y	J	J	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	3.54	—	—	1.5	µg/L	Y	J	J	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.07	—	—	1.5	µg/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.05	—	—	1.5	µg/L	Y	J	J	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.2	—	—	0.053	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78	—	—	0.053	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.1	—	—	0.053	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.6	—	—	0.053	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.5	—	—	0.053	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	182	—	—	1	µS/cm	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	µS/cm	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	µS/cm	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	µS/cm	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	µS/cm	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	69.8	—	—	1	µg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	71.9	—	—	1	µg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	65.6	—	—	1	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	69.9	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.6	—	—	1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.8	—	—	0.133	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.3	—	—	0.133	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.8	—	—	0.133	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.3	—	—	0.133	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.8	—	—	0.133	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.657	—	—	0.33	mg/L	Y	J	J	2013-1172	CASA-13-36989	GELC
R-43 S1	903.9	05/15/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.756	—	—	0.33	mg/L	Y	J	J	2013-856	CASA-13-30546	GELC
R-43 S1	903.9	02/06/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1	—	—	0.33	mg/L	Y	—	NQ	2013-516	CASA-13-28358	GELC
R-43 S1	903.9	11/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.506	—	—	0.33	mg/L	Y	J	J	2013-286	CASA-13-24213	GELC
R-43 S1	903.9	08/14/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.782	—	—	0.33	mg/L	Y	J	J	12-1496	CASA-12-21644	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.119	—	—	0.067	µg/L	Y	J	J	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.095	—	—	0.067	µg/L	Y	J	J	2013-856	CASA-13-30554	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.122	—	—	0.067	µg/L	Y	J	U	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.123	—	—	0.067	µg/L	Y	J	J	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.095	—	—	0.067	µg/L	Y	J	U	12-1496	CASA-12-21648	GELC
R-43 S1	903.9	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.61	—	—	1	µg/L	Y	—	NQ	2013-1172	CASA-13-36993	GELC
R-43 S1	903.9	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.01	—	—	1	µg/L	Y	—	NQ	2013-856	CASA-13-30554	GELC
R-43 S1	903.9	02/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.02	—	—	1	µg/L	Y	—	NQ	2013-516	CASA-13-28362	GELC
R-43 S1	903.9	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.04	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24221	GELC
R-43 S1	903.9	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.45	—	—	1	µg/L	Y	—	NQ	12-1496	CASA-12-21648	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.6	—	—	0.01	SU	Y	H	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.72	—	—	0.01	SU	Y	H	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.84	—	—	0.01	SU	Y	H	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.83	—	—	0.01	SU	Y	H	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.71	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	21.8	—	—	0.725	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	8.12	—	—	0.725	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	10.5	—	—	0.725	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.44	—	—	0.725	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	10.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.1	—	—	0.725	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.2	—	—	0.725	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.5	—	—	0.725	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.6	—	—	0.725	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.76	—	—	1.7	µg/L	Y	J	J	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.52	—	—	1.7	µg/L	Y	J	J	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.49	—	—	1.7	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.3	—	—	1	µg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.1	—	—	1	µg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.2	—	—	1	µg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.6	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.1	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	38.8	—	—	15	µg/L	Y	J	J	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.3	—	—	15	µg/L	Y	J	J	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	34.4	—	—	15	µg/L	Y	J	J	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	37.2	—	—	15	µg/L	Y	J	J	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	38.6	—	—	15	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.5	—	—	0.05	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.6	—	—	0.05	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.1	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.6	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.24	—	—	0.067	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.23	—	—	0.067	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.81	—	—	0.067	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.87	—	—	0.067	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.72	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.98	—	—	2	µg/L	Y	J	J	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3	—	—	2	µg/L	Y	J	J	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.44	—	—	2	µg/L	Y	J	J	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.45	—	—	2	µg/L	Y	J	J	2013-286	CASA-13-24222	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.85	—	—	2	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.302	—	—	0.033	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.319	—	—	0.033	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.273	—	—	0.033	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.347	—	—	0.033	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.5	—	—	0.453	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.1	—	—	0.453	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.1	—	—	0.453	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63	—	—	0.453	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.8	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	35.9	—	—	30	µg/L	Y	J	J	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.79	—	—	0.11	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.79	—	—	0.11	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.76	—	—	0.11	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.92	—	—	0.11	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.68	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.165	µg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22	—	—	0.165	µg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.47	—	—	0.165	µg/L	Y	—	U	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.54	—	—	0.165	µg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.57	—	—	0.165	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.572	—	—	0.5	µg/L	Y	J	J	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.577	—	—	0.5	µg/L	Y	J	J	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.19	—	—	0.5	µg/L	Y	J	J	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.745	—	—	0.5	µg/L	Y	J	J	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.695	—	—	0.5	µg/L	Y	J	J	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.56	—	—	0.085	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.34	—	—	0.017	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.13	—	—	0.085	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.08	—	—	0.017	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	—	—	0.085	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.554	—	—	0.05	µg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.474	—	—	0.05	µg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.517	—	—	0.05	µg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.472	—	—	0.05	µg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.497	—	—	0.05	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.6	—	—	0.053	mg/L	Y	—	J-	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.9	—	—	0.053	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.1	—	—	0.1	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.2	—	—	0.1	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.2	—	—	0.1	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	µS/cm	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	µS/cm	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	µS/cm	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	—	1	µS/cm	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	186	—	—	1	µS/cm	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	110	—	—	1	µg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	113	—	—	1	µg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	107	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.91	—	—	0.133	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.82	—	—	0.133	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.39	—	—	0.133	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.59	—	—	0.133	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.15	—	—	0.133	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.525	—	—	0.33	mg/L	Y	J	J	2013-1238	CASA-13-36990	GELC
R-43 S2	969.1	05/14/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.772	—	—	0.33	mg/L	Y	J	J	2013-847	CASA-13-30547	GELC
R-43 S2	969.1	02/07/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.645	—	—	0.33	mg/L	Y	J	J	2013-518	CASA-13-28359	GELC
R-43 S2	969.1	11/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2013-286	CASA-13-24214	GELC
R-43 S2	969.1	08/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.641	—	—	0.33	mg/L	Y	J	J	12-1495	CASA-12-21645	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.918	—	—	0.067	µg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.883	—	—	0.067	µg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.978	—	—	0.067	µg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.11	—	—	0.067	µg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.02	—	—	0.067	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-43 S2	969.1	07/18/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.17	—	—	1	µg/L	Y	—	NQ	2013-1238	CASA-13-36994	GELC
R-43 S2	969.1	05/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.94	—	—	1	µg/L	Y	—	NQ	2013-847	CASA-13-30555	GELC
R-43 S2	969.1	02/07/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.54	—	—	1	µg/L	Y	—	NQ	2013-518	CASA-13-28363	GELC
R-43 S2	969.1	11/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.95	—	—	1	µg/L	Y	—	NQ	2013-286	CASA-13-24222	GELC
R-43 S2	969.1	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.09	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21649	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.8	—	—	0.725	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.9	—	—	0.725	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.2	—	—	0.725	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.725	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.9	—	—	0.725	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.3	—	—	1	µg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.7	—	—	1	µg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.4	—	—	1	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.6	—	—	1	µg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.7	—	—	1	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.4	—	—	15	µg/L	Y	J	J	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.2	—	—	15	µg/L	Y	J	J	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18	—	—	15	µg/L	Y	J	J	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.9	—	—	0.05	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.4	—	—	0.05	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.5	—	—	0.05	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.6	—	—	0.067	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.34	—	—	0.067	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.7	—	—	0.067	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.07	—	—	0.067	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.14	—	—	0.067	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	95.4	—	—	2	µg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	103	—	—	2	µg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	98.1	—	—	2	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.79	—	—	2	µg/L	N	J	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	96.3	—	—	2	µg/L	Y	—	NQ	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	87.4	—	—	2	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.452	—	—	0.033	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.282	—	—	0.033	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.337	—	—	0.033	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.328	—	—	0.033	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.6	—	—	0.453	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.1	—	—	0.453	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.3	—	—	0.453	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.4	—	—	0.453	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.5	—	—	0.453	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.01	—	—	0.11	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.08	—	—	0.11	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.8	—	—	0.11	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.09	—	—	0.11	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.41	—	—	0.11	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.165	µg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.23	—	—	0.165	µg/L	Y	—	U	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	µg/L	N	—	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.65	—	—	0.165	µg/L	Y	—	NQ	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.75	—	—	0.165	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.66	—	—	0.5	µg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.2	—	—	0.5	µg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.35	—	—	0.5	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.7	—	—	0.5	µg/L	N	J	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.11	—	—	0.5	µg/L	Y	—	NQ	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.01	—	—	0.5	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.65	—	—	0.085	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.45	—	—	0.017	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.59	—	—	0.085	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.5	—	—	0.085	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.81	—	—	0.085	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.512	—	—	0.05	µg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.556	—	—	0.05	µg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.58	—	—	0.05	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.552	—	—	0.05	µg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.555	—	—	0.05	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.53	—	—	0.05	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.61	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.6	—	—	0.053	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.8	—	—	0.053	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.8	—	—	0.053	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.2	—	—	0.053	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.2	—	—	0.053	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.7	—	—	0.1	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	µS/cm	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	—	1	µS/cm	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	µS/cm	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	—	1	µS/cm	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	µS/cm	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	µS/cm	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	µS/cm	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	66.9	—	—	1	µg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.6	—	—	1	µg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	64.2	—	—	1	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	65.8	—	—	1	µg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.1	—	—	1	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.5	—	—	0.133	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.3	—	—	0.133	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.5	—	—	0.133	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	—	—	0.133	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.6	—	—	0.133	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	3.4	mg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	166	—	—	3.4	mg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.16	—	—	0.33	mg/L	Y	—	NQ	2013-1091	CAMO-13-36975	GELC
R-50 S1	1077	05/10/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.28	—	—	0.33	mg/L	Y	—	NQ	2013-832	CAMO-13-30582	GELC
R-50 S1	1077	02/04/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.08	—	—	0.33	mg/L	Y	—	NQ	2013-508	CAMO-13-28410	GELC
R-50 S1	1077	11/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.4	—	—	0.33	mg/L	Y	—	NQ	2013-306	CAMO-13-24249	GELC
R-50 S1	1077	08/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.22	—	—	0.33	mg/L	Y	—	NQ	12-1503	CAMO-12-21737	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0189	—	—	0.017	mg/L	Y	J	J	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0406	—	—	0.017	mg/L	Y	J	U	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0387	—	—	0.017	mg/L	Y	J	U	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0482	—	—	0.017	mg/L	Y	J	J	2013-306	CAMO-13-24266	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S1	1077	08/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0308	—	—	0.017	mg/L	Y	J	J	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.63	—	—	0.067	µg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.555	—	—	0.067	µg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.568	—	—	0.067	µg/L	Y	—	NQ	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.636	—	—	0.067	µg/L	N	—	R	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.573	—	—	0.067	µg/L	Y	—	NQ	2013-306-1	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.623	—	—	0.067	µg/L	Y	—	NQ	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.12	—	—	1	µg/L	Y	—	NQ	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.15	—	—	1	µg/L	Y	—	NQ	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.97	—	—	1	µg/L	Y	J	J	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.32	—	—	1	µg/L	Y	—	NQ	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.91	—	—	1	µg/L	Y	J	J	12-1503	CAMO-12-21745	GELC
R-50 S1	1077	07/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7	—	—	3.3	µg/L	Y	J	J	2013-1091	CAMO-13-36983	GELC
R-50 S1	1077	05/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.59	—	—	3.3	µg/L	Y	J	J	2013-832	CAMO-13-30598	GELC
R-50 S1	1077	02/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.74	—	—	3.3	µg/L	Y	J	J	2013-508	CAMO-13-28418	GELC
R-50 S1	1077	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2013-306	CAMO-13-24266	GELC
R-50 S1	1077	08/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-1503	CAMO-12-21745	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.4	—	—	0.725	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.9	—	—	0.725	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	N	1	—	—	0.725	mg/L	Y	U	U	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.725	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.9	—	—	0.725	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.8	—	—	1	µg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.3	—	—	1	µg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.5	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.9	—	—	1	µg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.6	—	—	1	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.4	—	—	15	µg/L	Y	J	J	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.6	—	—	15	µg/L	Y	J	J	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.8	—	—	0.05	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.4	—	—	0.05	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.1	—	—	0.067	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.22	—	—	0.067	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.07	—	—	0.067	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.11	—	—	0.067	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.11	—	—	0.067	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.81	—	—	2	µg/L	Y	J	J	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.18	—	—	2	µg/L	Y	J	J	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.19	—	—	2	µg/L	Y	J	J	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	14.6	—	—	2	µg/L	N	—	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.25	—	—	2	µg/L	Y	J	J	2013-306-1	CAMO-13-24267	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.17	—	—	2	µg/L	Y	J	J	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.57	—	—	0.033	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.423	—	—	0.033	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.335	—	—	0.033	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.401	—	—	0.033	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.339	—	—	0.033	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.3	—	—	0.453	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46	—	—	0.453	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.2	—	—	0.453	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.8	—	—	0.453	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.9	—	—	0.453	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.19	—	—	0.11	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.01	—	—	0.11	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.03	—	—	0.11	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.66	—	—	0.11	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.93	—	—	0.11	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	µg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.05	—	—	0.165	µg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.165	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.895	—	—	0.165	µg/L	N	—	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.165	µg/L	Y	—	NQ	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.3	—	—	0.165	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.69	—	—	0.5	µg/L	Y	J	J	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.87	—	—	0.5	µg/L	Y	J	J	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.36	—	—	0.5	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.866	—	—	0.5	µg/L	N	J	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.61	—	—	0.5	µg/L	Y	J	J	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	µg/L	Y	J	J	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.444	—	—	0.085	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.407	—	—	0.017	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.445	—	—	0.017	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.471	—	—	0.017	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.975	—	—	0.085	mg/L	N	—	R	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	08/16/12	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.495	—	—	0.017	mg/L	Y	H	NQ	12-1506-1	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.311	—	—	0.05	µg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.306	—	—	0.05	µg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.296	—	—	0.05	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.33	—	—	0.05	µg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.336	—	—	0.05	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.37	—	—	0.05	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.44	—	—	0.05	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.17	—	—	0.05	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.3	—	—	0.053	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	81.8	—	—	0.053	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.3	—	—	0.053	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.7	—	—	0.053	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.9	—	—	0.053	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.39	—	—	0.1	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	1	µS/cm	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	µS/cm	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.8	—	—	1	µg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.7	—	—	1	µg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.4	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	55.4	—	—	1	µg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.7	—	—	1	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.48	—	—	0.133	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.61	—	—	0.133	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.51	—	—	0.133	mg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.59	—	—	0.133	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.48	—	—	0.133	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	107	—	—	3.4	mg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	97.1	—	—	3.4	mg/L	Y	—	J	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.431	—	—	0.33	mg/L	Y	J	J	2013-1101	CAMO-13-36976	GELC
R-50 S2	1185	05/13/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.717	—	—	0.33	mg/L	Y	J	J	2013-841	CAMO-13-30583	GELC
R-50 S2	1185	01/31/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.934	—	—	0.33	mg/L	Y	J	J	2013-502	CAMO-13-28411	GELC
R-50 S2	1185	11/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.761	—	—	0.33	mg/L	Y	J	J	2013-306	CAMO-13-24250	GELC
R-50 S2	1185	08/16/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.534	—	—	0.33	mg/L	Y	J	J	12-1506	CAMO-12-21738	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.121	—	—	0.017	mg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.065	—	—	0.017	mg/L	Y	—	U	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0192	—	—	0.017	mg/L	Y	J	J	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.597	—	—	0.067	µg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.544	—	—	0.067	µg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.576	—	—	0.067	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.463	—	—	0.067	µg/L	N	—	R	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	11/09/12	WG	F	RE	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.574	—	—	0.067	µg/L	Y	—	NQ	2013-306-1	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.62	—	—	0.067	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.69	—	—	1	µg/L	Y	—	NQ	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.67	—	—	1	µg/L	Y	—	NQ	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.01	—	—	1	µg/L	Y	—	NQ	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.61	—	—	1	µg/L	Y	J	J	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.23	—	—	1	µg/L	Y	—	NQ	12-1506	CAMO-12-21746	GELC
R-50 S2	1185	07/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.41	—	—	3.3	µg/L	Y	J	J	2013-1101	CAMO-13-36984	GELC
R-50 S2	1185	05/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.59	—	—	3.3	µg/L	Y	J	J	2013-841	CAMO-13-30599	GELC
R-50 S2	1185	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.09	—	—	3.3	µg/L	Y	J	J	2013-502	CAMO-13-28419	GELC
R-50 S2	1185	11/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2013-306	CAMO-13-24267	GELC
R-50 S2	1185	08/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.61	—	—	3.3	µg/L	Y	J	J	12-1506	CAMO-12-21746	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.04	—	—	0.01	SU	Y	H	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.93	—	—	0.01	SU	Y	H	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.91	—	—	0.01	SU	Y	H	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.78	—	—	0.01	SU	Y	H	NQ	2013-334	CAMO-13-24268	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.34	—	—	0.01	SU	Y	H	J-	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51	—	—	0.725	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50.2	—	—	0.725	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	47.6	—	—	0.725	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.7	—	—	0.725	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.3	—	—	0.73	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	20.3	—	—	1	µg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.8	—	—	1	µg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.5	—	—	1	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.3	—	—	1	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.5	—	—	1	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.21	—	—	0.05	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.52	—	—	0.05	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	6.98	—	—	0.05	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	5.88	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.05	—	—	0.067	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.1	—	—	0.067	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.96	—	—	0.067	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.17	—	—	0.067	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.05	—	—	0.066	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	12.6	—	—	2	µg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	18.3	—	—	2	µg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	13.8	—	—	2	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	16.4	—	—	2	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.03	—	—	2	µg/L	Y	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.427	—	—	0.033	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.444	—	—	0.033	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.603	—	—	0.033	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.589	—	—	0.033	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.329	—	—	0.033	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.8	—	—	0.453	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.7	—	—	0.453	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	29.3	—	—	0.453	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	24.5	—	—	0.453	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.4	—	—	0.45	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	54.2	—	—	30	µg/L	Y	J	J	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	40.7	—	—	30	µg/L	Y	J	J	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	87.6	—	—	30	µg/L	Y	J	J	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	72	—	—	30	µg/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1150	—	—	30	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.59	—	—	0.11	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.02	—	—	0.11	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.88	—	—	0.11	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.38	—	—	0.11	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.02	—	—	0.11	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	12.3	—	—	2	µg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	17.2	—	—	2	µg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	16.6	—	—	2	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	33.7	—	—	2	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	554	—	—	2	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.83	—	—	0.165	µg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.63	—	—	0.165	µg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.22	—	—	0.165	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.14	—	—	0.165	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.73	—	—	0.17	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.32	—	—	0.5	µg/L	Y	J	J	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.1	—	—	0.5	µg/L	Y	J	J	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.22	—	—	0.5	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.66	—	—	0.5	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.57	—	—	0.5	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.61	—	—	0.085	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.63	—	—	0.085	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.63	—	—	0.085	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.58	—	—	0.085	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.68	—	—	0.05	mg/L	Y	—	NQ	12-734	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.67	—	—	1	µg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.82	—	—	0.5	µg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.22	—	—	0.5	µg/L	Y	—	J	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.13	—	—	0.5	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.37	—	—	0.5	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	11.8	—	—	0.05	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	13.5	—	—	0.05	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	22.5	—	—	0.05	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	27.4	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.96	—	—	0.05	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	82	—	—	0.053	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	84.1	—	—	0.053	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	95.4	—	—	0.053	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	102	—	—	0.053	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.3	—	—	0.053	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	19.2	—	—	0.1	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	154	—	—	1	µS/cm	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	157	—	—	1	µS/cm	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	µS/cm	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	µS/cm	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	165	—	—	1	µS/cm	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	35.8	—	—	1	µg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	35.2	—	—	1	µg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	29	—	—	1	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	25.8	—	—	1	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.2	—	—	1	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.21	—	—	0.133	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.55	—	—	0.133	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.11	—	—	0.133	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.41	—	—	0.133	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.04	—	—	0.1	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	—	—	3.4	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.81	—	—	0.33	mg/L	Y	J	J	2013-1150	CAMO-13-36977	GELC
R-61 S1	1125	05/17/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.31	—	—	0.33	mg/L	Y	—	NQ	2013-866	CAMO-13-30584	GELC
R-61 S1	1125	02/11/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.18	—	—	0.33	mg/L	Y	—	NQ	2013-526	CAMO-13-28412	GELC
R-61 S1	1125	11/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.59	—	—	0.33	mg/L	Y	—	NQ	2013-334	CAMO-13-24251	GELC
R-61 S1	1125	02/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.86	—	—	0.33	mg/L	Y	J	J	12-734	CAMO-12-2229	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	4.61	—	—	0.085	mg/L	Y	—	NQ	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	3.23	—	—	0.085	mg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	8.84	—	—	0.17	mg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	11.8	—	—	0.17	mg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0531	—	—	0.015	mg/L	Y	—	NQ	12-734	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.183	—	—	0.067	µg/L	Y	J	J	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.193	—	—	0.067	µg/L	Y	J	J	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.229	—	—	0.067	µg/L	Y	—	NQ	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.255	—	—	0.067	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1	—	—	0.067	µg/L	Y	—	NQ	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.91	—	—	1	µg/L	Y	J	J	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.35	—	—	1	µg/L	Y	—	NQ	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.46	—	—	1	µg/L	Y	J	J	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.21	—	—	1	µg/L	Y	J	J	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.99	—	—	1	µg/L	Y	J	J	12-735	CAMO-12-2230	GELC
R-61 S1	1125	07/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.77	—	—	3.3	µg/L	Y	J	J	2013-1150	CAMO-13-36985	GELC
R-61 S1	1125	05/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.61	—	—	3.3	µg/L	Y	J	J	2013-866	CAMO-13-30600	GELC
R-61 S1	1125	02/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.32	—	—	3.3	µg/L	Y	J	J	2013-526	CAMO-13-28420	GELC
R-61 S1	1125	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	22.1	—	—	3.3	µg/L	Y	—	NQ	2013-334	CAMO-13-24268	GELC
R-61 S1	1125	02/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-735	CAMO-12-2230	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.82	—	—	0.01	SU	Y	H	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.02	—	—	0.01	SU	Y	H	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.68	—	—	0.01	SU	Y	H	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.69	—	—	0.01	SU	Y	H	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.25	—	—	0.01	SU	Y	H	J-	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66	—	—	0.725	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.9	—	—	0.725	mg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68	—	—	0.725	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.5	—	—	0.725	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.3	—	—	0.73	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	124	—	—	68	µg/L	Y	J	J	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	134	—	—	68	µg/L	Y	J	U	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	197	—	—	68	µg/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.23	—	—	1.7	µg/L	Y	J	J	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.93	—	—	1.7	µg/L	Y	J	J	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.99	—	—	1.7	µg/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.7	—	—	1	µg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.3	—	—	1	µg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.1	—	—	1	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	32.6	—	—	1	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.7	—	—	1	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	37.2	—	—	15	µg/L	Y	J	J	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.5	—	—	15	µg/L	Y	J	J	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	39.1	—	—	15	µg/L	Y	J	J	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	29	—	—	15	µg/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.5	—	—	15	µg/L	Y	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.34	—	—	0.05	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	7.69	—	—	0.05	mg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.24	—	—	0.05	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	7.99	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.86	—	—	0.067	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.98	—	—	0.067	mg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.28	—	—	0.067	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.63	—	—	0.067	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.01	—	—	0.066	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.5	—	—	0.033	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.521	—	—	0.033	mg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.851	—	—	0.033	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.739	—	—	0.033	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.342	—	—	0.033	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.9	—	—	0.453	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	32.2	—	—	0.453	mg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.9	—	—	0.453	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.8	—	—	0.453	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.7	—	—	0.45	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	599	—	—	30	µg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	167	—	—	30	µg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1760	—	—	30	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	331	—	—	30	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	148	—	—	30	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.42	—	—	0.11	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.15	—	—	0.11	mg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.85	—	—	0.11	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.37	—	—	0.11	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.59	—	—	0.11	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	111	—	—	2	µg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	71.4	—	—	2	µg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	174	—	—	2	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	91.5	—	—	2	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	744	—	—	2	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.49	—	—	0.165	µg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.34	—	—	0.165	µg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.79	—	—	0.165	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.81	—	—	0.165	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	4.71	—	—	0.17	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.17	—	—	0.5	µg/L	Y	J	J	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.01	—	—	0.5	µg/L	Y	J	J	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.09	—	—	0.5	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.84	—	—	0.5	µg/L	Y	J	J	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.34	—	—	0.5	µg/L	Y	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.25	—	—	0.017	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.242	—	—	0.017	mg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.262	—	—	0.017	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.27	—	—	0.017	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.05	—	—	0.01	mg/L	Y	U	U	12-744	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.223	—	—	0.05	µg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.235	—	—	0.05	µg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.208	—	—	0.05	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.253	—	—	0.05	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.278	—	—	0.05	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	14.1	—	—	0.05	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	12.5	—	—	0.05	mg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	24.4	—	—	0.05	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	93.5	—	—	0.053	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	91	—	—	0.053	mg/L	Y	—	J-	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	115	—	—	0.265	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	120	—	—	0.53	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.1	—	—	0.053	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.6	—	—	0.1	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.2	—	—	0.1	mg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	20.5	—	—	0.1	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	20.7	—	—	0.1	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	167	—	—	1	µS/cm	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	149	—	—	1	µS/cm	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	224	—	—	1	µS/cm	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	197	—	—	1	µS/cm	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	159	—	—	1	µS/cm	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	36.2	—	—	1	µg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	31.9	—	—	1	µg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	40.8	—	—	1	µg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	33.6	—	—	1	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	63.4	—	—	1	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.94	—	—	0.133	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.16	—	—	0.133	mg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.87	—	—	0.133	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.16	—	—	0.133	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.2	—	—	0.1	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	—	—	3.4	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	J	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	239	—	—	3.4	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	256	—	—	3.4	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.36	—	—	0.33	mg/L	Y	—	NQ	2013-1181	CAMO-13-36978	GELC
R-61 S2	1220.4	05/22/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.5	—	—	0.33	mg/L	Y	—	NQ	2013-886	CAMO-13-30585	GELC
R-61 S2	1220.4	02/12/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	5.5	—	—	0.33	mg/L	Y	—	NQ	2013-532	CAMO-13-28413	GELC
R-61 S2	1220.4	11/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.65	—	—	0.33	mg/L	Y	—	NQ	2013-334	CAMO-13-24252	GELC
R-61 S2	1220.4	02/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.864	—	—	0.33	mg/L	Y	J	J	12-744	CAMO-12-2232	GELC
R-61 S2	1220.4	07/16/13	WG	UF	INIT	REG	DRO	SW-846:8015M_EXTRACTABLE	Total Petroleum Hydrocarbons Diesel Range Organics	TPH-DRO	Y	92.2	—	—	51	µg/L	Y	J	J	2013-1181	CAMO-13-36978	GELC
R-61 S2	1220.4	11/18/11	WG	UF	INIT	REG	DRO	SW-846:8015M_EXTRACTABLE	Total Petroleum Hydrocarbons Diesel Range Organics	TPH-DRO	Y	89	—	—	53	µg/L	Y	J	J	12-398	CAMO-12-1516	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	7.53	—	—	0.17	mg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	4.67	—	—	0.085	mg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	19.7	—	—	0.17	mg/L	Y	—	NQ	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	19.1	—	—	0.17	mg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0389	—	—	0.015	mg/L	Y	J	J	12-744	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.149	—	—	0.067	µg/L	Y	J	J	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.087	—	—	0.067	µg/L	Y	J	J	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.2	—	—	0.067	µg/L	Y	U	U	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.224	—	—	0.067	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.719	—	—	0.067	µg/L	Y	—	NQ	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.76	—	—	1	µg/L	Y	—	NQ	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.88	—	—	1	µg/L	Y	—	NQ	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.16	—	—	1	µg/L	Y	J	J	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.11	—	—	1	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.51	—	—	1	µg/L	Y	J	J	12-745	CAMO-12-2231	GELC
R-61 S2	1220.4	07/16/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.7	—	—	3.3	µg/L	Y	J	J	2013-1181	CAMO-13-36986	GELC
R-61 S2	1220.4	05/22/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.42	—	—	3.3	µg/L	Y	J	J	2013-886	CAMO-13-30601	GELC
R-61 S2	1220.4	02/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.57	—	—	3.3	µg/L	Y	J	J	2013-532	CAMO-13-28421	GELC
R-61 S2	1220.4	11/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.4	—	—	3.3	µg/L	Y	—	NQ	2013-334	CAMO-13-24269	GELC
R-61 S2	1220.4	02/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-745	CAMO-12-2231	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	—	—	0.01	SU	Y	H	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.37	—	—	0.01	SU	Y	H	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.64	—	—	0.01	SU	Y	H	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.63	—	—	0.01	SU	Y	H	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.69	—	—	0.01	SU	Y	H	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.74	—	—	0.01	SU	Y	H	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.74	—	—	0.01	SU	Y	H	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.45	—	—	0.01	SU	Y	H	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.4	—	—	0.725	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.1	—	—	0.725	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.9	—	—	0.725	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.4	—	—	0.725	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.725	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.725	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.725	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.5	—	—	0.725	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.6	—	—	1	µg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	29	—	—	1	µg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.2	—	—	1	µg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.7	—	—	1	µg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.2	—	—	1	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.6	—	—	1	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23	—	—	1	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.4	—	—	15	µg/L	Y	J	J	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	38.4	—	—	15	µg/L	Y	J	J	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.2	—	—	15	µg/L	Y	J	J	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.3	—	—	0.05	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.7	—	—	0.05	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.1	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.6	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.1	—	—	0.05	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.07	—	—	0.067	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.07	—	—	0.067	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.71	—	—	0.067	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.73	—	—	0.067	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.43	—	—	0.067	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.83	—	—	0.067	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.85	—	—	0.067	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.74	—	—	0.067	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	136	—	—	2	µg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	133	—	—	2	µg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	131	—	—	2	µg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	139	—	—	2	µg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	123	—	—	10	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	128	—	—	10	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	133	—	—	10	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	175	—	—	2	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.184	—	—	0.033	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.187	—	—	0.033	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.181	—	—	0.033	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.194	—	—	0.033	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.181	—	—	0.033	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.244	—	—	0.033	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.246	—	—	0.033	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.202	—	—	0.033	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	70.4	—	—	0.453	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.3	—	—	0.453	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.2	—	—	0.453	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.2	—	—	0.453	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.6	—	—	0.453	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.6	—	—	0.453	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64	—	—	0.453	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.3	—	—	0.453	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.38	—	—	0.11	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.09	—	—	0.11	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.45	—	—	0.11	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.59	—	—	0.11	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.61	—	—	0.11	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.96	—	—	0.11	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.88	—	—	0.11	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.4	—	—	0.11	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.165	µg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.3	—	—	0.165	µg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.53	—	—	0.165	µg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.58	—	—	0.165	µg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.58	—	—	0.165	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.91	—	—	0.165	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.92	—	—	0.165	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.61	—	—	0.165	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.81	—	—	0.5	µg/L	Y	J	J	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.82	—	—	0.5	µg/L	Y	J	J	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.96	—	—	0.5	µg/L	Y	J	J	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.11	—	—	0.5	µg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.14	—	—	0.5	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.96	—	—	0.5	µg/L	Y	J	J	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.01	—	—	0.5	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.15	—	—	0.5	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.06	—	—	0.017	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.03	—	—	0.085	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.01	—	—	0.017	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.02	—	—	0.017	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.947	—	—	0.017	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.02	—	—	0.017	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.99	—	—	0.085	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	—	—	0.085	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.773	—	—	0.05	µg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.77	—	—	0.05	µg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.739	—	—	0.05	µg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.725	—	—	0.05	µg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.79	—	—	0.05	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.771	—	—	0.05	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.764	—	—	0.05	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.819	—	—	0.05	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.7	—	—	0.053	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.7	—	—	0.053	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	57.9	—	—	0.053	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	59.5	—	—	0.053	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	59.8	—	—	0.053	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.5	—	—	0.053	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63	—	—	0.053	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	0.0609	—	—	0.053	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	1	µS/cm	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	—	1	µS/cm	Y	—	NQ	2013-1260	CAMO-13-36971	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	186	—	—	1	µS/cm	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	1	µS/cm	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	µS/cm	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	1	µS/cm	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	189	—	—	1	µS/cm	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	µS/cm	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	98.2	—	—	1	µg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	98.5	—	—	1	µg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	102	—	—	1	µg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	93.9	—	—	1	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	98.9	—	—	1	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.3	—	—	1	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	77.5	—	—	1	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.9	—	—	0.133	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14	—	—	0.133	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.1	—	—	0.133	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.1	—	—	0.133	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.7	—	—	0.133	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.2	—	—	0.133	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.1	—	—	0.133	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.6	—	—	0.133	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	3.4	mg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.394	—	—	0.33	mg/L	Y	J	J	2013-1260	CAMO-13-36979	GELC
R-62	1158.4	07/19/13	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.4	—	—	0.33	mg/L	Y	J	J	2013-1260	CAMO-13-36970	GELC
R-62	1158.4	05/08/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.51	—	—	0.33	mg/L	Y	J	J	2013-822	CAMO-13-30586	GELC
R-62	1158.4	05/08/13	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.703	—	—	0.33	mg/L	Y	J	J	2013-822	CAMO-13-30562	GELC
R-62	1158.4	02/05/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.486	—	—	0.33	mg/L	Y	J	J	2013-511	CAMO-13-28414	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.641	—	—	0.33	mg/L	Y	J	J	2013-297	CAMO-13-24253	GELC
R-62	1158.4	11/08/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.573	—	—	0.33	mg/L	Y	J	J	2013-297	CAMO-13-24228	GELC
R-62	1158.4	08/08/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.589	—	—	0.33	mg/L	Y	J	J	12-1482	CAMO-12-21741	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.84	—	—	0.067	µg/L	Y	—	NQ	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.853	—	—	0.067	µg/L	Y	—	NQ	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.84	—	—	0.067	µg/L	Y	—	NQ	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.858	—	—	0.067	µg/L	Y	—	NQ	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.802	—	—	0.067	µg/L	Y	—	NQ	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.991	—	—	0.067	µg/L	Y	—	NQ	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.995	—	—	0.067	µg/L	Y	—	NQ	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.957	—	—	0.067	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.31	—	—	1	µg/L	Y	J	J	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.1	—	—	1	µg/L	Y	J	J	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.47	—	—	1	µg/L	Y	J	J	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.52	—	—	1	µg/L	Y	J	J	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.79	—	—	1	µg/L	Y	J	J	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.27	—	—	1	µg/L	Y	J	J	2013-297	CAMO-13-24270	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.17	—	—	1	µg/L	Y	J	J	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.95	—	—	1	µg/L	Y	J	J	12-1482	CAMO-12-21749	GELC
R-62	1158.4	07/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.79	—	—	3.3	µg/L	Y	J	J	2013-1260	CAMO-13-36987	GELC
R-62	1158.4	07/19/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.85	—	—	3.3	µg/L	Y	J	J	2013-1260	CAMO-13-36971	GELC
R-62	1158.4	05/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.09	—	—	3.3	µg/L	Y	J	J	2013-822	CAMO-13-30602	GELC
R-62	1158.4	05/08/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.86	—	—	3.3	µg/L	Y	J	J	2013-822	CAMO-13-30564	GELC
R-62	1158.4	02/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.34	—	—	3.3	µg/L	Y	J	J	2013-511	CAMO-13-28422	GELC
R-62	1158.4	11/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.83	—	—	3.3	µg/L	Y	J	J	2013-297	CAMO-13-24270	GELC
R-62	1158.4	11/08/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.04	—	—	3.3	µg/L	Y	J	J	2013-297	CAMO-13-24229	GELC
R-62	1158.4	08/08/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	16.8	—	—	3.3	µg/L	Y	—	NQ	12-1482	CAMO-12-21749	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.57	—	—	0.01	SU	Y	H	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.64	—	—	0.01	SU	Y	H	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.73	—	—	0.01	SU	Y	H	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.65	—	—	0.01	SU	Y	H	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	85.3	—	—	0.725	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.2	—	—	0.725	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	87.3	—	—	0.725	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	93.3	—	—	0.725	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.1	—	—	0.725	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.452	—	—	0.017	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0618	—	—	0.017	mg/L	Y	—	U	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0761	—	—	0.017	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0436	—	—	0.017	mg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.174	—	—	0.017	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	69.4	—	—	1	µg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	67.1	—	—	1	µg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	64.5	—	—	1	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	69.8	—	—	1	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	68.5	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	69.2	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.9	—	—	15	µg/L	Y	J	J	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.8	—	—	15	µg/L	Y	J	J	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.8	—	—	15	µg/L	Y	J	J	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.6	—	—	15	µg/L	Y	J	J	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.7	—	—	15	µg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	23.3	—	—	15	µg/L	Y	J	J	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.595	—	—	0.067	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.683	—	—	0.067	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.612	—	—	0.067	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.639	—	—	0.067	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.59	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.581	—	—	0.067	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	69.7	—	—	0.05	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.7	—	—	0.05	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	66.4	—	—	0.05	mg/L	Y	—	J-	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.9	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	69.4	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	70.3	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	07/23/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	56.4	—	—	0.67	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	68.2	—	—	1.34	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	66.6	—	—	0.335	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	63.7	—	—	0.67	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	59.8	—	—	0.67	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	61.5	—	—	0.67	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	406	—	—	2	µg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	427	—	—	2	µg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	435	—	—	10	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	436	—	—	2	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	491	—	—	2	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	453	—	—	2	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.169	—	—	0.033	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.206	—	—	0.033	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.162	—	—	0.033	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.225	—	—	0.033	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.186	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.185	—	—	0.033	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	242	—	—	0.453	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	245	—	—	0.453	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	230	—	—	0.453	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	246	—	—	0.453	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	240	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	243	—	—	0.453	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.4	—	—	0.11	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.7	—	—	0.11	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.7	—	—	0.11	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.7	—	—	0.11	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.2	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.4	—	—	0.11	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.655	—	—	0.165	µg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.615	—	—	0.165	µg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.777	—	—	0.165	µg/L	Y	—	U	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.655	—	—	0.165	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.727	—	—	0.165	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.676	—	—	0.165	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	18	—	—	0.5	µg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	18.6	—	—	0.5	µg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.9	—	—	0.5	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	18.2	—	—	0.5	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.6	—	—	0.5	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	15.9	—	—	0.5	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.54	—	—	0.085	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.67	—	—	0.085	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.99	—	—	0.17	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.28	—	—	0.425	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.89	—	—	0.17	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.78	—	—	0.17	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.961	—	—	0.05	µg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.938	—	—	0.05	µg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.985	—	—	0.05	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.942	—	—	0.05	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	08/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.03	—	—	0.1	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.02	—	—	0.1	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.44	—	—	0.05	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.67	—	—	0.05	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.5	—	—	0.05	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.78	—	—	0.05	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.73	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.73	—	—	0.05	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.4	—	—	0.053	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.2	—	—	0.053	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.8	—	—	0.053	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.9	—	—	0.053	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.7	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.5	—	—	0.053	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.6	—	—	0.1	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.2	—	—	0.1	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.8	—	—	0.1	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.5	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.5	—	—	0.1	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	599	—	—	1	µS/cm	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	624	—	—	1	µS/cm	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	607	—	—	1	µS/cm	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	618	—	—	1	µS/cm	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	600	—	—	1	µS/cm	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	596	—	—	1	µS/cm	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	326	—	—	1	µg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	338	—	—	1	µg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	330	—	—	1	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	344	—	—	1	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	336	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	338	—	—	1	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	77.9	—	—	1.33	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	103	—	—	2.66	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	91	—	—	0.665	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	91.7	—	—	1.33	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	85.4	—	—	1.33	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	88	—	—	1.33	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	401	—	—	3.4	mg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	421	—	—	3.4	mg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	419	—	—	3.4	mg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	429	—	—	3.4	mg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	396	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	400	—	—	3.4	mg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.067	—	—	0.033	mg/L	Y	J	J	2013-1309	CASA-13-36991	GELC
SCI-2	548	05/21/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.101	—	—	0.033	mg/L	Y	—	NQ	2013-874	CASA-13-30549	GELC
SCI-2	548	01/31/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.149	—	—	0.033	mg/L	Y	—	J+	2013-497	CASA-13-28360	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.088	—	—	0.035	mg/L	Y	J	J	2013-270	CASA-13-24216	GELC
SCI-2	548	08/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1495	CASA-12-21646	GELC
SCI-2	548	08/13/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0591	—	—	0.035	mg/L	Y	J	J	12-1495	CASA-12-22309	GELC
SCI-2	548	07/23/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.05	—	—	0.33	mg/L	Y	—	NQ	2013-1309	CASA-13-36991	GELC
SCI-2	548	05/21/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.37	—	—	0.33	mg/L	Y	—	NQ	2013-874	CASA-13-30549	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	01/31/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.15	—	—	0.33	mg/L	Y	—	NQ	2013-497	CASA-13-28360	GELC
SCI-2	548	11/05/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.05	—	—	0.33	mg/L	Y	—	U	2013-270	CASA-13-24216	GELC
SCI-2	548	08/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.37	—	—	0.33	mg/L	Y	—	NQ	12-1495	CASA-12-21646	GELC
SCI-2	548	08/13/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.38	—	—	0.33	mg/L	Y	—	NQ	12-1495	CASA-12-22309	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2	—	—	0.067	µg/L	Y	—	NQ	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.05	—	—	0.067	µg/L	Y	—	NQ	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.11	—	—	0.067	µg/L	Y	—	NQ	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.06	—	—	0.067	µg/L	Y	—	NQ	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.83	—	—	0.067	µg/L	Y	—	NQ	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.63	—	—	0.067	µg/L	Y	—	NQ	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.46	—	—	1	µg/L	Y	J	J	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	1.63	—	—	1	µg/L	Y	J	U	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.2	—	—	1	µg/L	Y	J	J	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.3	—	—	1	µg/L	Y	J	J	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.56	—	—	1	µg/L	Y	J	J	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.59	—	—	1	µg/L	Y	J	J	12-1495	CASA-12-22310	GELC
SCI-2	548	07/23/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.7	—	—	3.3	µg/L	Y	J	J	2013-1309	CASA-13-36995	GELC
SCI-2	548	05/21/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.22	—	—	3.3	µg/L	Y	J	J	2013-874	CASA-13-30557	GELC
SCI-2	548	01/31/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2013-497	CASA-13-28364	GELC
SCI-2	548	11/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2013-270	CASA-13-24224	GELC
SCI-2	548	08/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-1495	CASA-12-21650	GELC
SCI-2	548	08/13/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-1495	CASA-12-22310	GELC

Appendix D

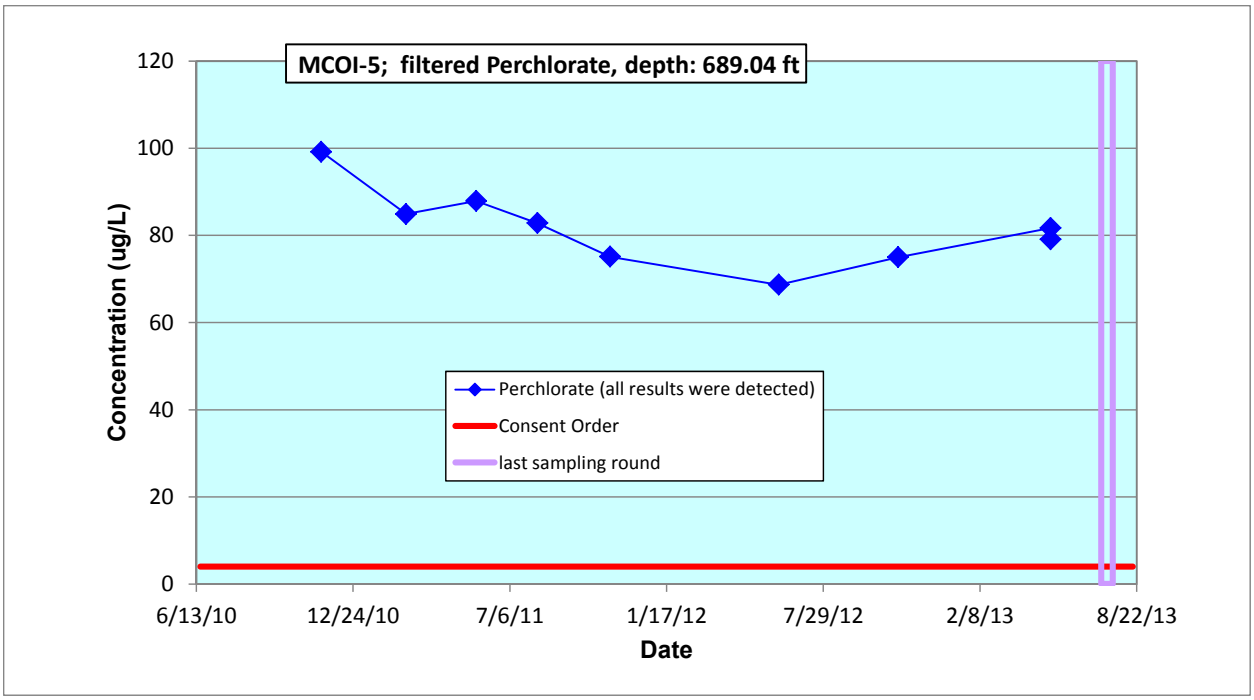
Groundwater Results Greater Than Half of Screening Levels

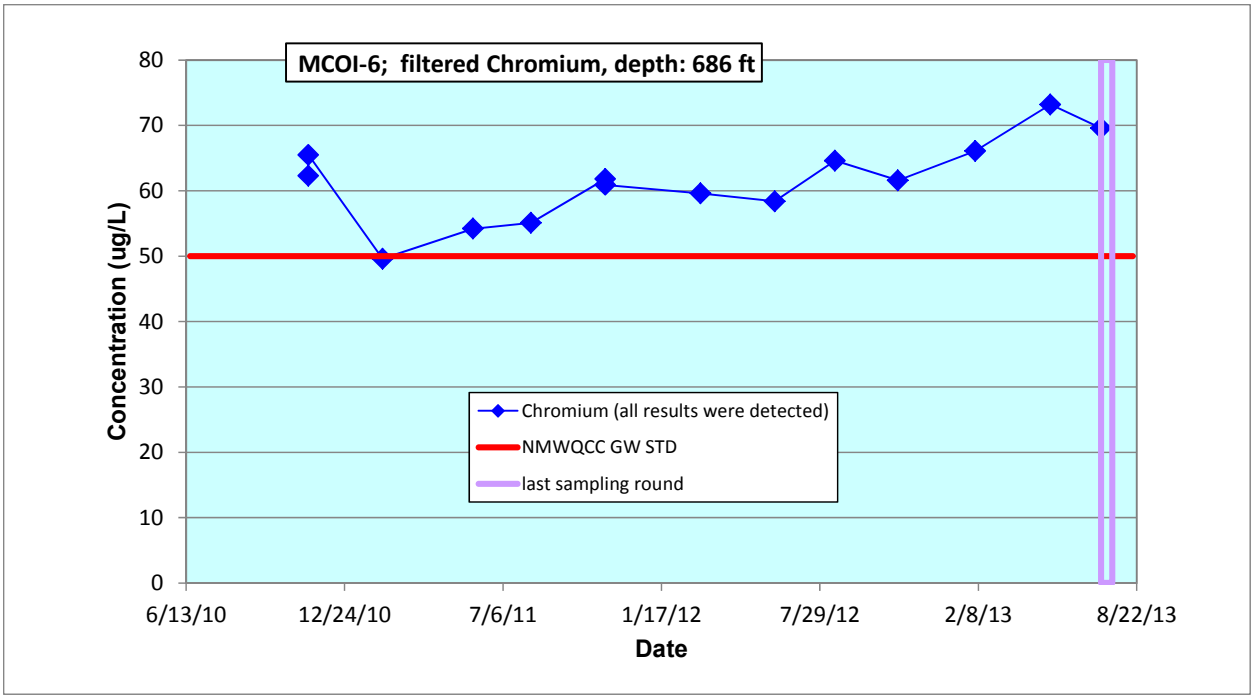
Zone	Location	Screen Top Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Prep Code	Analysis Type Code	Field Quality Control Code	Detect Flag	Report Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Intermediate	MCOI-6	686	07/09/13	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F[a]	INIT[b]	REG[c]	Y[d]	7.69	0.17	mg/L	10	—[e]	NQ[f]	NQ	Y	EPA:353.2	GELC[g]	10	EPA MCL[h]	0.77
Regional	R-11	855	07/12/13	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	6.05	0.17	mg/L	10	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.61
Regional	R-43 S1	903.9	07/16/13	General Chemistry	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	F	INIT	REG	Y	5.35	0.085	mg/L	5	—	NQ	NQ	Y	EPA:353.2	GELC	10	EPA MCL	0.54
Intermediate	MCOI-6	686	07/09/13	General Chemistry	Perchlorate	ClO4	F	INIT	REG	Y	60.8	5	µg/L	100	—	J+[i]	PE12f[j]	Y	SW-846:6850	GELC	4	Consent Order	15.20
Regional	R-61 S1	1125	07/15/13	General Chemistry	Perchlorate	ClO4	F	INIT	REG	Y	6.67	1	µg/L	20	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	1.67
Intermediate	MCOI-6	686	07/09/13	Metals	Chromium	Cr	F	INIT	REG	Y	69.6	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD[k]	1.39
Intermediate	SCI-2	548	07/23/13	Metals	Chromium	Cr	F	INIT	REG	Y	406	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	8.12
Regional	R-11	855	07/12/13	Metals	Chromium	Cr	F	INIT	REG	Y	26.4	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	0.53
Regional	R-43 S1	903.9	07/16/13	Metals	Chromium	Cr	F	INIT	REG	Y	55.7	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	1.11
Regional	R-50 S1	1077	07/09/13	Metals	Chromium	Cr	F	INIT	REG	Y	95.4	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	1.91
Regional	R-62	1158.4	07/19/13	Metals	Chromium	Cr	F	INIT	FD[l]	Y	133	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	2.66
Regional	R-62	1158.4	07/19/13	Metals	Chromium	Cr	F	INIT	REG	Y	136	2	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	50	NMWQCC GW STD	2.72
Regional	R-61 S2	1220.4	07/16/13	Metals	Iron	Fe	F	INIT	REG	Y	599	30	µg/L	1	—	NQ	NQ	Y	SW-846:6010B	GELC	1000	NMWQCC GW STD	0.60
Regional	R-61 S2	1220.4	07/16/13	Metals	Manganese	Mn	F	INIT	REG	Y	111	2	µg/L	1	—	NQ	NQ	Y	SW-846:6010B	GELC	200	NMWQCC GW STD	0.56

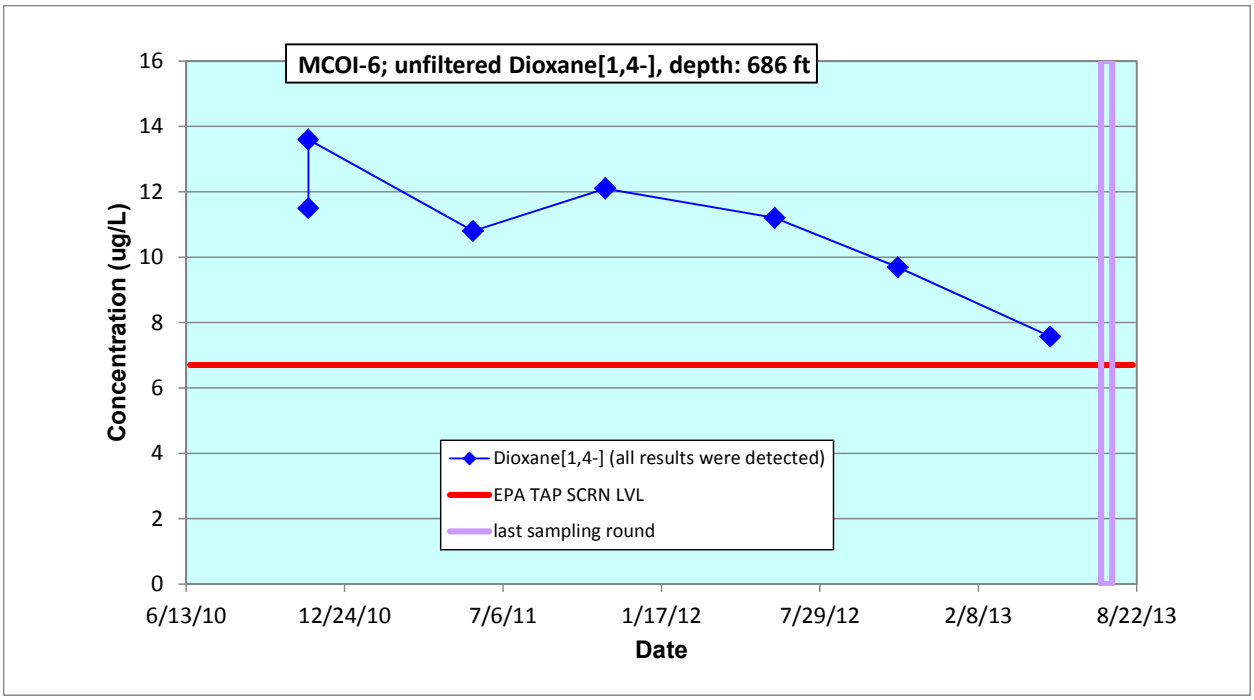
[a] F = Filtered.
[b] INIT = Initial.
[c] REG = Regular.
[d] Y = Yes.
[e] — = None.
[f] NQ = Not qualified.
[g] GELC = General Engineering Laboratories, Inc., Charleston, SC.
[h] EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.
[i] J+ = The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.
[j] PE12f = The matrix spike/matrix spike duplicate percent recovery was >125%.
[k] NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.
[l] FD = Field duplicate.

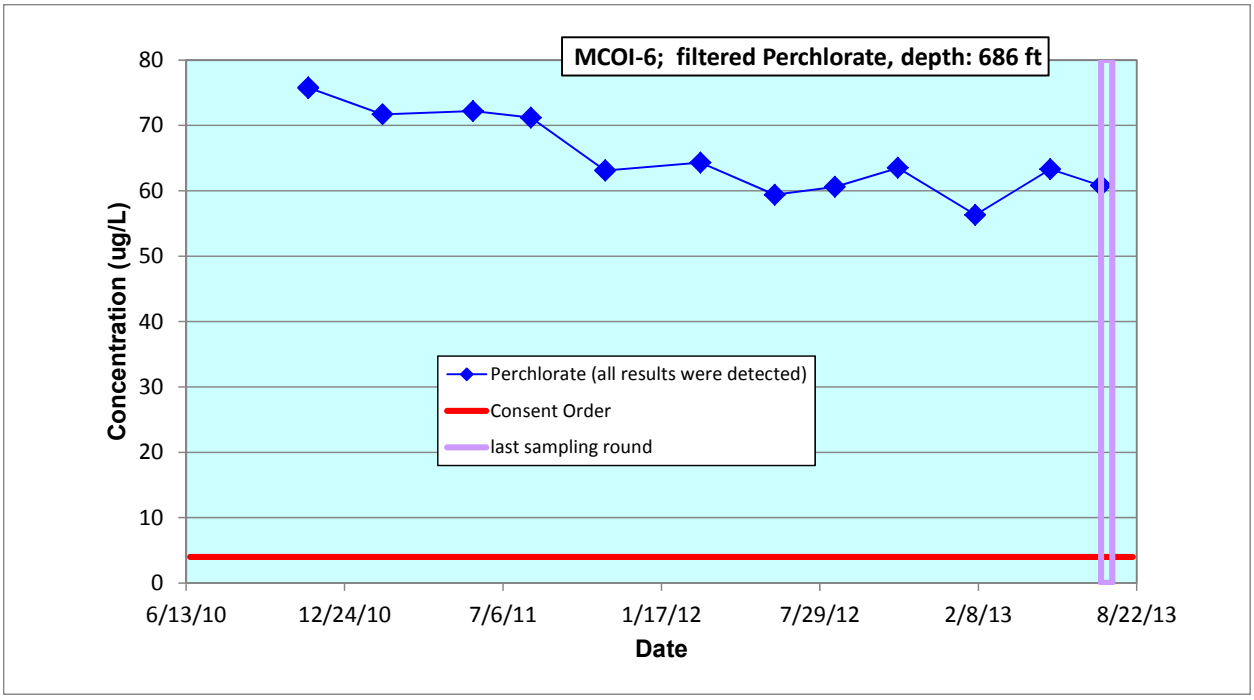
Appendix E

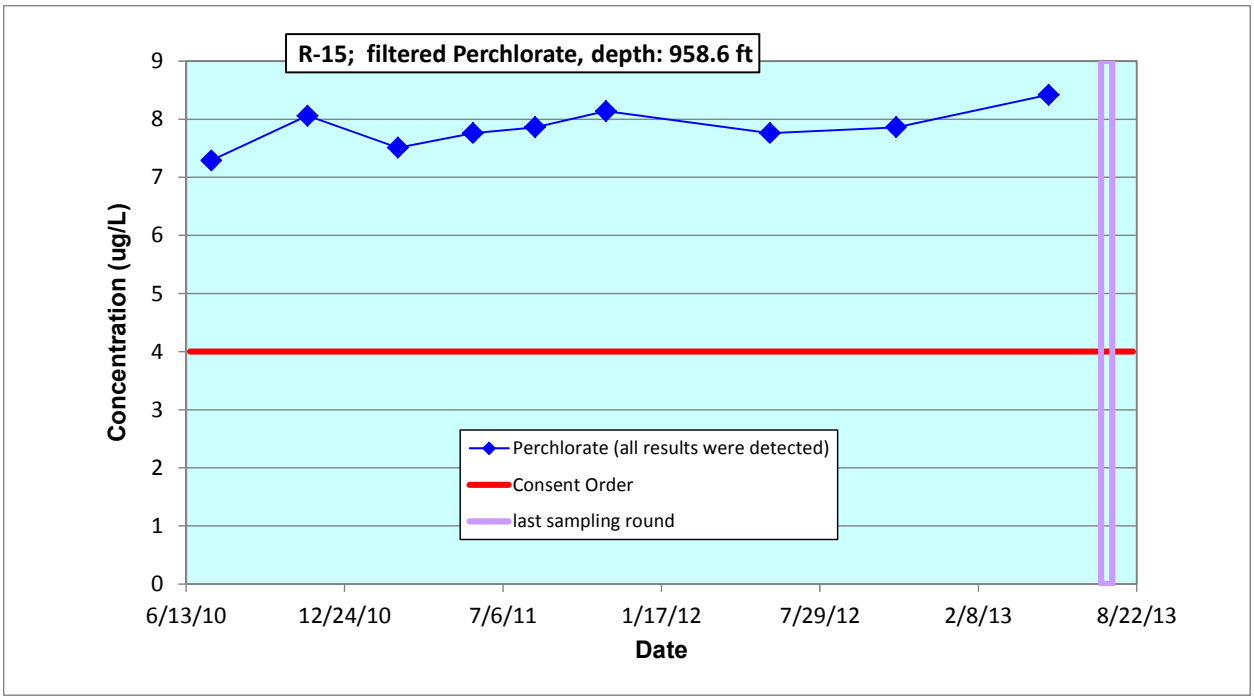
Analytical Chemistry Graphs of Screening-Level Exceedances

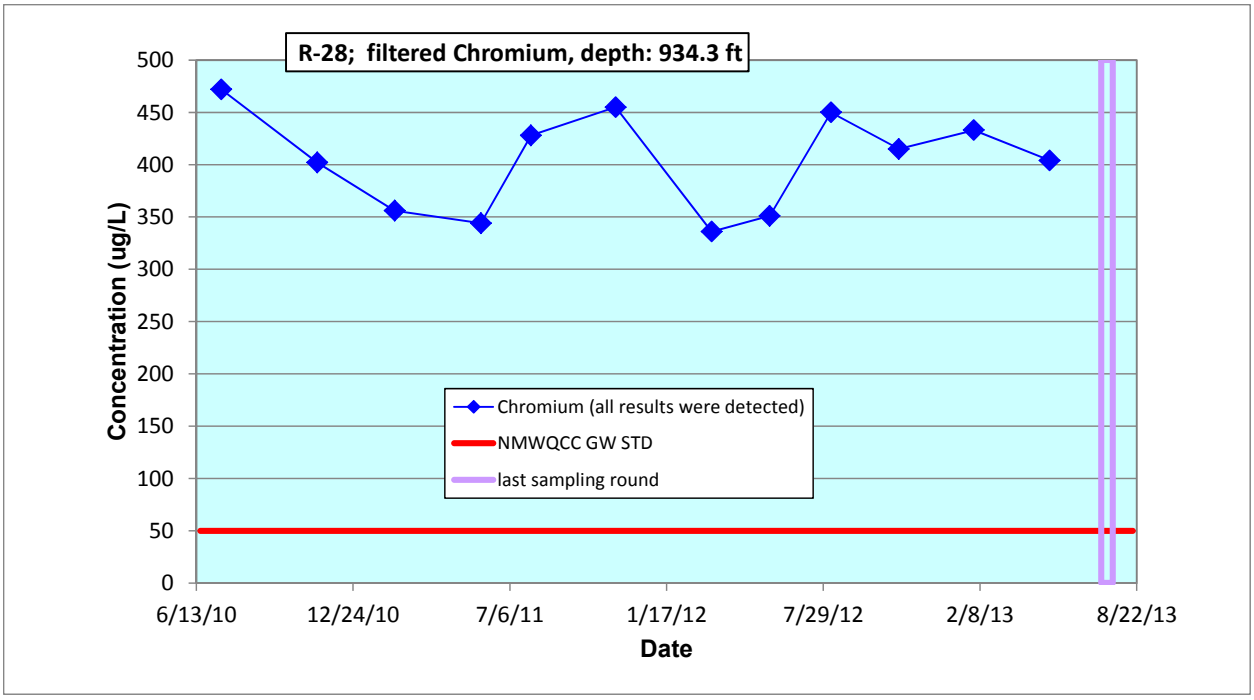

MCOI-5; filtered Perchlorate, depth: 689.04 ft
Concentration (ug/L)
120
100
80
60
40
20
0
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

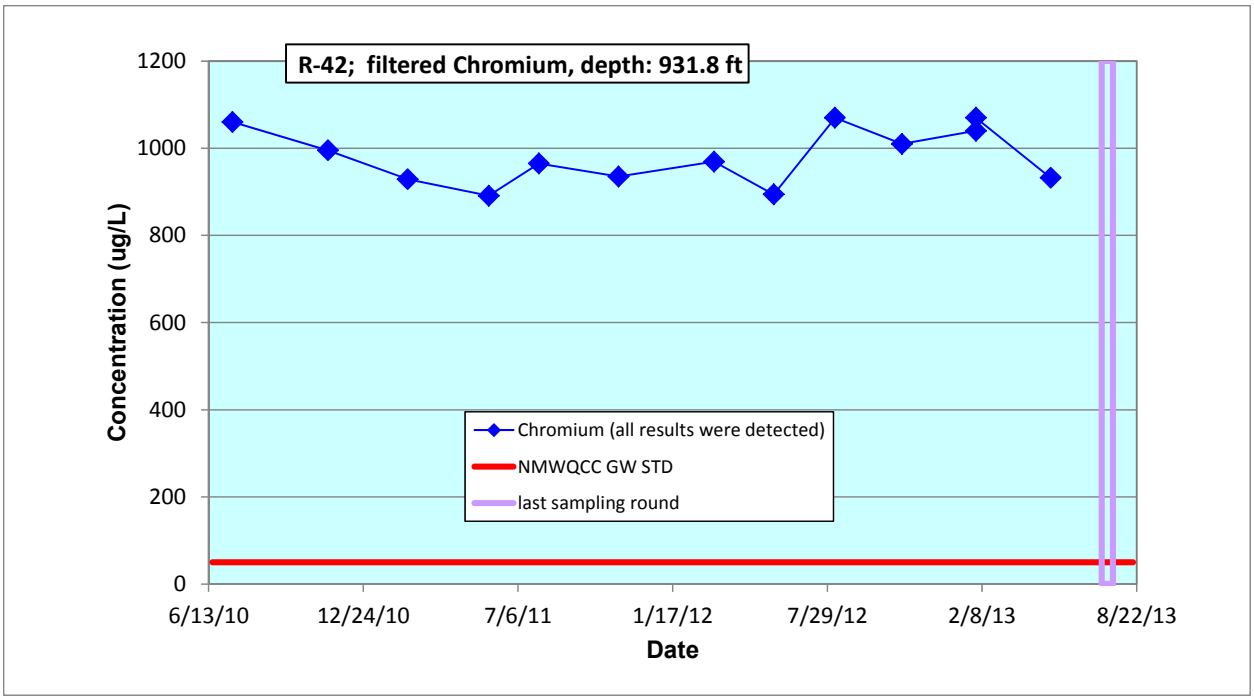

MCOI-6; filtered Chromium, depth: 686 ft
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round

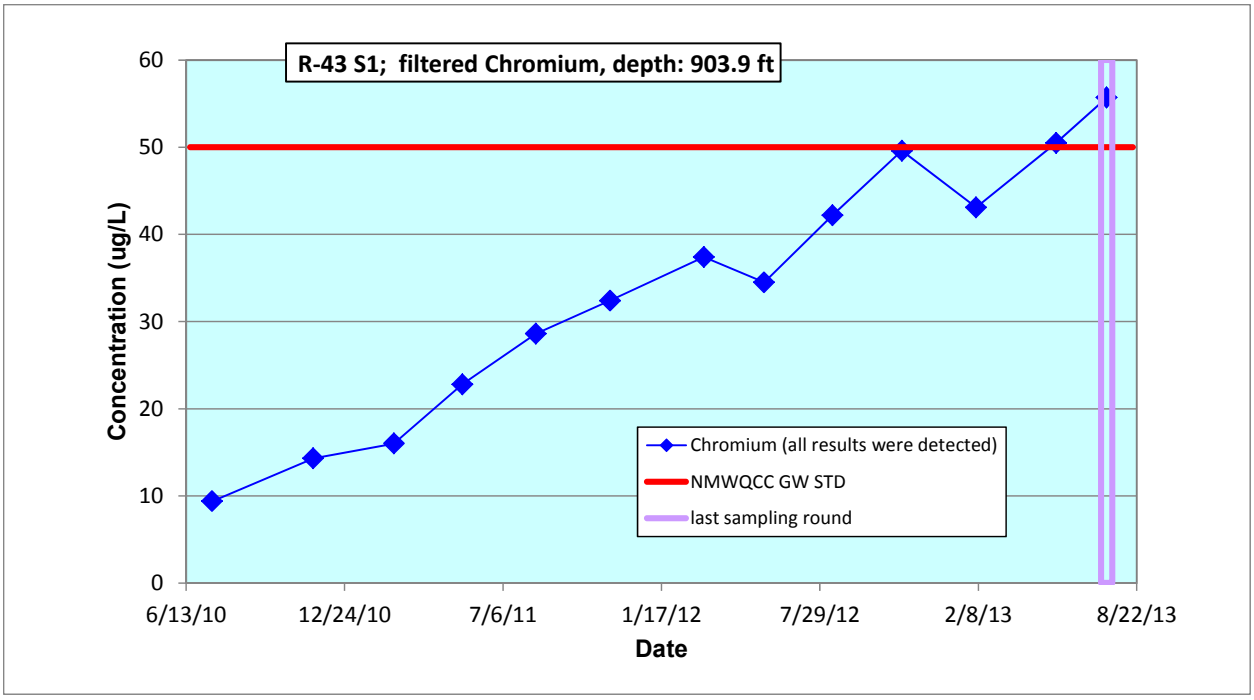

MCOI-6; unfiltered Dioxane[1,4-], depth: 686 ft
Concentration (ug/L)
16
14
12
10
8
6
4
2
0
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date
Dioxane[1,4-] (all results were detected)
EPA TAP SCRN LVL
last sampling round

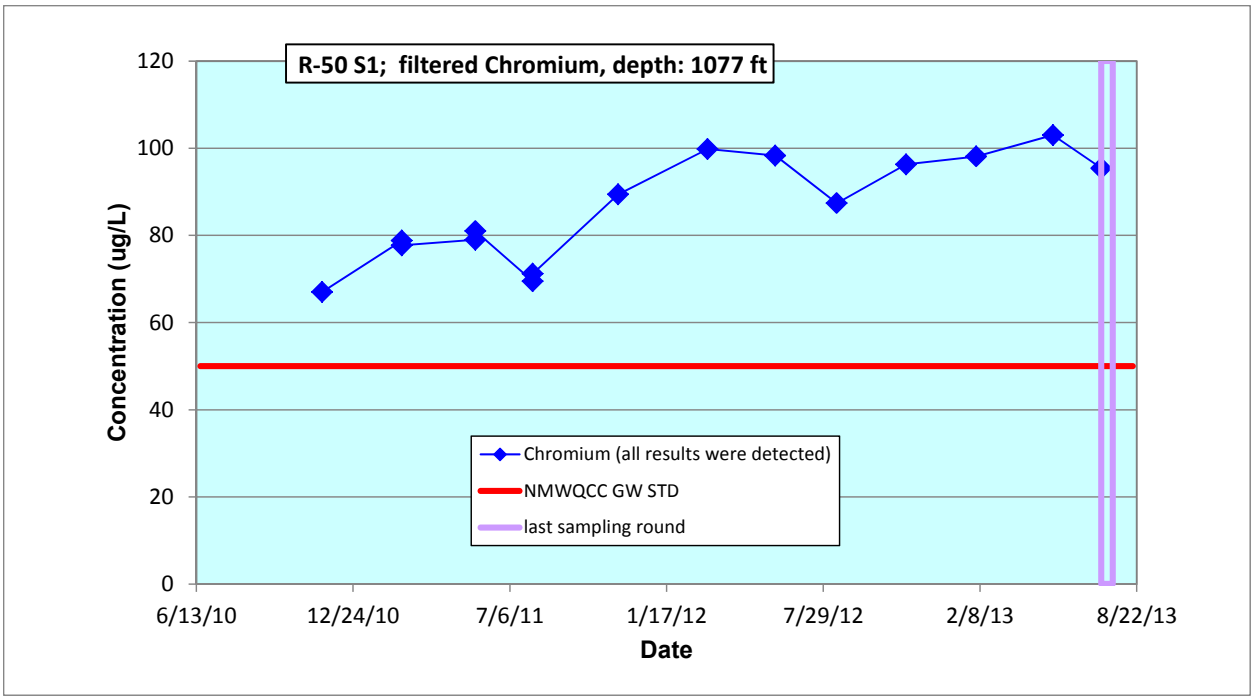

MCOI-6; filtered Perchlorate, depth: 686 ft
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

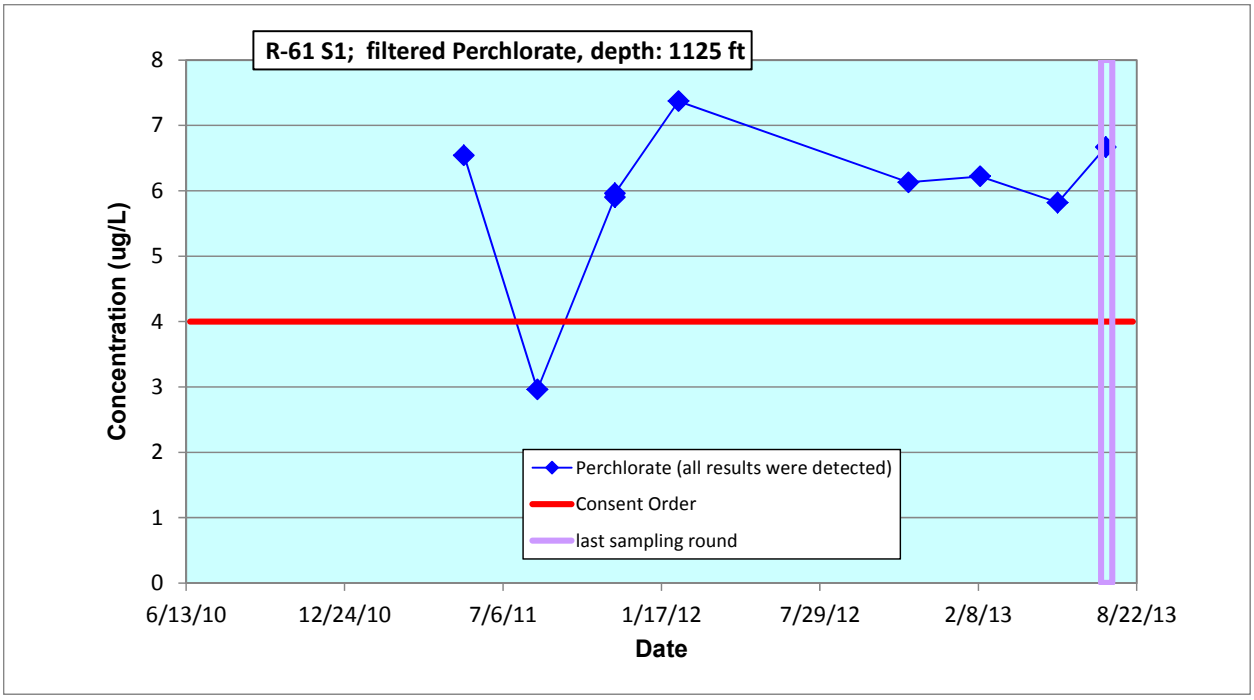

R-15; filtered Perchlorate, depth: 958.6 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

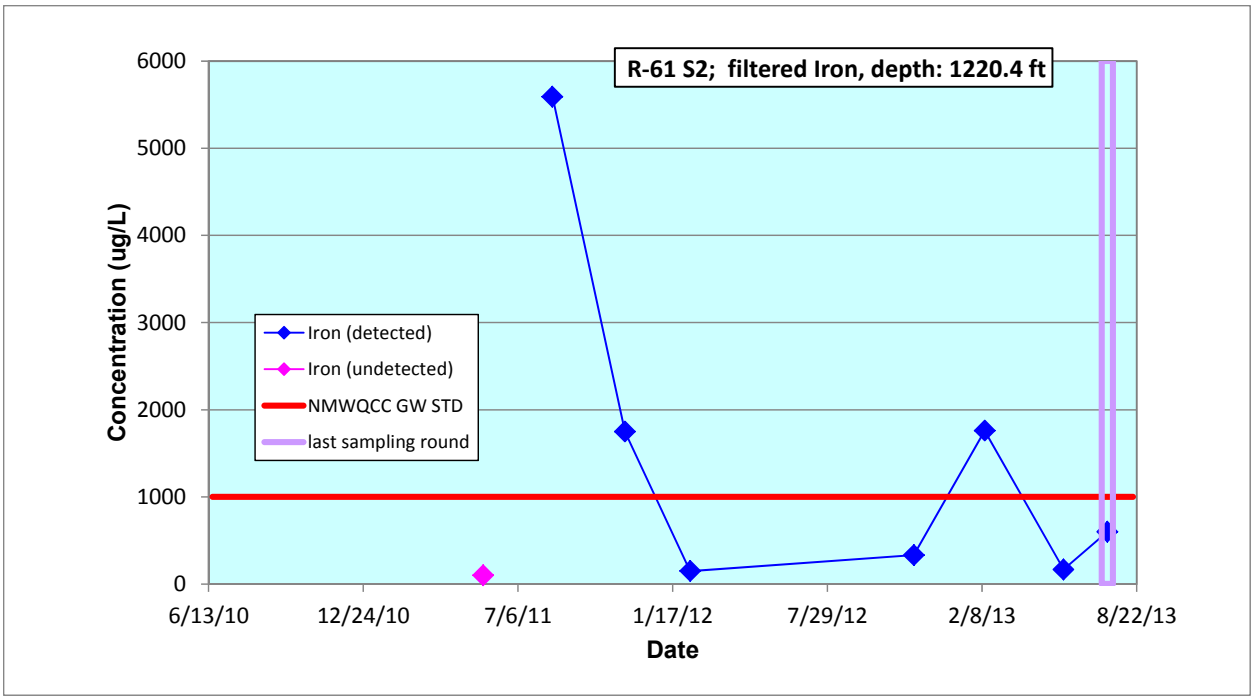

R-28; filtered Chromium, depth: 934.3 ft
Concentration (ug/L)
0
50
100
150
200
250
300
350
400
450
500
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round

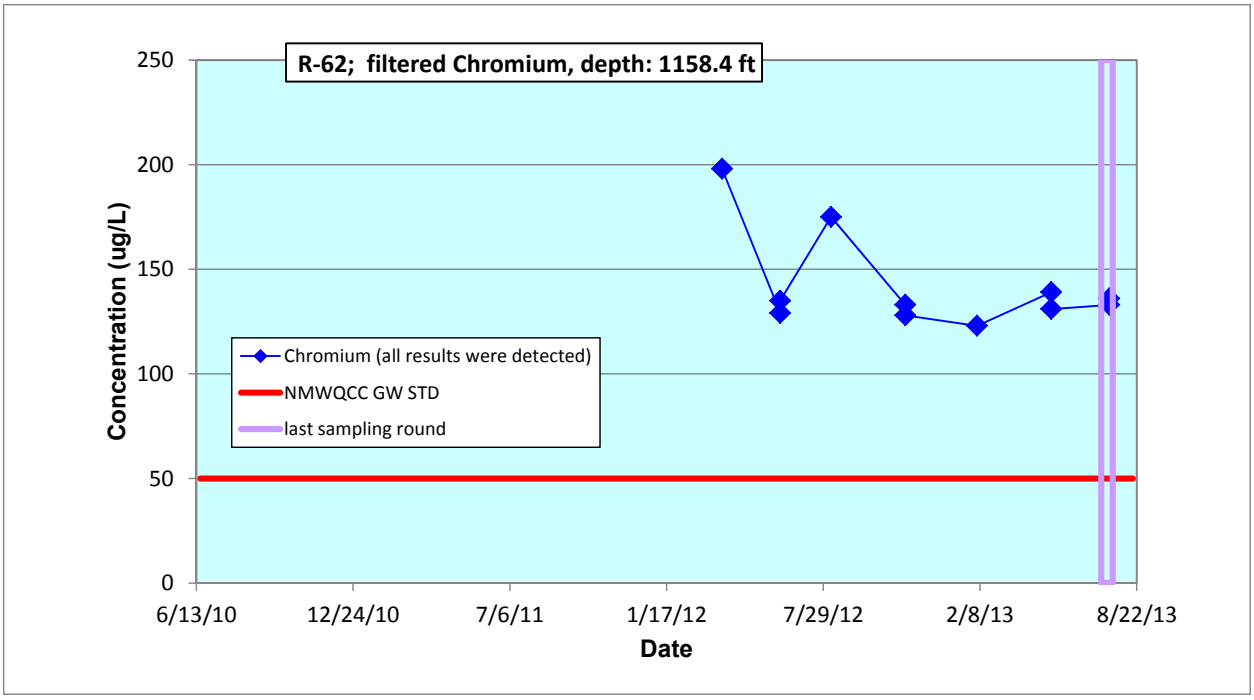

R-42; filtered Chromium, depth: 931.8 ft
Concentration (ug/L)
1200
1000
800
600
400
200
0
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round

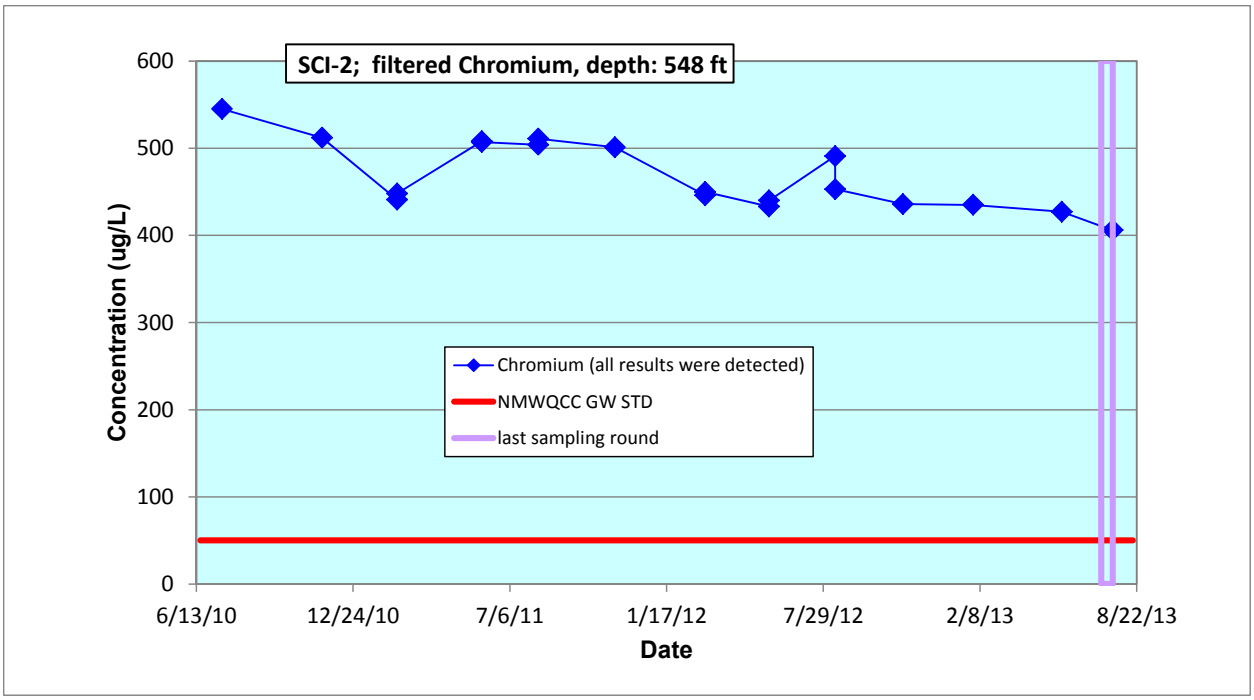

R-43 S1; filtered Chromium, depth: 903.9 ft
Concentration (ug/L)
60
50
40
30
20
10
0
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round


R-50 S1; filtered Chromium, depth: 1077 ft
Concentration (ug/L)
120
100
80
60
40
20
0
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round


R-61 S1; filtered Perchlorate, depth: 1125 ft
Concentration (ug/L)
8
7
6
5
4
3
2
1
0
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date
Perchlorate (all results were detected)
Consent Order
last sampling round


R-61 S2; filtered Iron, depth: 1220.4 ft
Concentration (ug/L)
6000
5000
4000
3000
2000
1000
0
Iron (detected)
Iron (undetected)
NMWQCC GW STD
last sampling round
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date


R-62; filtered Chromium, depth: 1158.4 ft
Concentration (ug/L)
250
200
150
100
50
0
Chromium (all results were detected)
NMWQCC GW STD
last sampling round
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date


SCI-2; filtered Chromium, depth: 548 ft
Concentration (ug/L)
600
500
400
300
200
100
0
6/13/10
12/24/10
7/6/11
1/17/12
7/29/12
2/8/13
8/22/13
Date
Chromium (all results were detected)
NMWQCC GW STD
last sampling round

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)
2013-1091	Inorganic	GELC*	CAMO-13-36983	07/09/13	R-50 S1	1077	1087
2013-1091	Inorganic	GELC	CAMO-13-36975	07/09/13	R-50 S1	1077	1087
2013-1092	Inorganic	GELC	CAMO-13-36980	07/09/13	MCOI-6	686	708.3
2013-1092	Inorganic	GELC	CAMO-13-36972	07/09/13	MCOI-6	686	708.3
2013-1101	Inorganic	GELC	CAMO-13-36976	07/10/13	R-50 S2	1185	1205.6
2013-1101	Inorganic	GELC	CAMO-13-36984	07/10/13	R-50 S2	1185	1205.6
2013-1129	Inorganic	GELC	CASA-13-36988	07/12/13	R-11	855	877.9
2013-1129	Inorganic	GELC	CASA-13-36992	07/12/13	R-11	855	877.9
2013-1150	Inorganic	GELC	CAMO-13-36977	07/15/13	R-61 S1	1125	1135
2013-1150	Inorganic	GELC	CAMO-13-36985	07/15/13	R-61 S1	1125	1135
2013-1150	Organic	GELC	CAMO-13-36977	07/15/13	R-61 S1	1125	1135
2013-1172	Inorganic	GELC	CASA-13-36989	07/16/13	R-43 S1	903.9	924.6
2013-1172	Inorganic	GELC	CASA-13-36993	07/16/13	R-43 S1	903.9	924.6
2013-1172	Organic	GELC	CASA-13-36989	07/16/13	R-43 S1	903.9	924.6
2013-1172	Organic	GELC	CASA-13-39006	07/16/13	R-43 S1	903.9	924.6
2013-1181	Inorganic	GELC	CAMO-13-36978	07/16/13	R-61 S2	1220.4	1241
2013-1181	Inorganic	GELC	CAMO-13-36986	07/16/13	R-61 S2	1220.4	1241
2013-1181	Organic	GELC	CAMO-13-36978	07/16/13	R-61 S2	1220.4	1241
2013-1238	Inorganic	GELC	CASA-13-36990	07/18/13	R-43 S2	969.1	979.1
2013-1238	Inorganic	GELC	CASA-13-36994	07/18/13	R-43 S2	969.1	979.1
2013-1260	Inorganic	GELC	CAMO-13-36970	07/19/13	R-62	1158.4	1179.1
2013-1260	Inorganic	GELC	CAMO-13-36971	07/19/13	R-62	1158.4	1179.1
2013-1260	Inorganic	GELC	CAMO-13-36979	07/19/13	R-62	1158.4	1179.1
2013-1260	Inorganic	GELC	CAMO-13-36987	07/19/13	R-62	1158.4	1179.1
2013-1309	Inorganic	GELC	CASA-13-36991	07/23/13	SCI-2	548	568
2013-1309	Inorganic	GELC	CASA-13-36995	07/23/13	SCI-2	548	568

* GELC = General Engineering Laboratories, Inc., Charleston, SC.