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Periodic Monitoring Report for Chromium Investigation Monitoring Group, November 8–November 28, 2011

Prepared by the Environmental Programs Directorate

EP2012-0098

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May 2012

Responsible project manager:

Steve Paris		Project Manager	Environmental Programs	5/24/12
Printed Name	Signature	Title	Organization	Date

Responsible LANS representative:

Michael J. Graham		Associate Director	Environmental Programs	5/24/12
Printed Name	Signature	Title	Organization	Date

Responsible DOE representative:

Peter Maggiore		Assistant Manager	DOE-LASO	5-31-2012
Printed Name	Signature	Title	Organization	Date

EXECUTIVE SUMMARY

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

The PME documented in this report occurred from November 8 to November 28, 2011, and included the monitoring of groundwater wells and well ports. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

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

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

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

CONTENTS

Figures

Tables

Appendixes

Plate

Acronyms and Abbreviations

AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations (U.S.)
cfs	cubic feet per second
Consent Order	Compliance Order on Consent
DCG	Derived Concentration Guide (DOE)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
F	filtered
GW	groundwater
HH OO	Human Health—Organism Only (NMWQCC standard)
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
IR	investigation report
LANL	Los Alamos National Laboratory
LVL	level
MCL	maximum contaminant level (EPA)
MCPA	2-methyl-4-chlorophenoxyacetic acid
MCPP	2-(4-chloro-2-methylphenoxy)propanoic acid
MDL	method detection limit
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NTU	nephelometric turbidity unit
PCB	polychlorinated biphenyl
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
SCRN	screening
SOP	standard operating procedure
STD	standard

SU	standard unit
TA	technical area
UF	unfiltered

1.0 INTRODUCTION

This periodic monitoring report (PMR) documents fiscal year 2012, first quarter, quarterly groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Chromium Investigation Monitoring Group pursuant to the 2011 Interim Facility-Wide Groundwater Monitoring Plan (IFGMP) (LANL 2011, 205231), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from November 8 to November 28, 2011, and included sampling of groundwater wells and well ports. This report also includes any results from samples collected during previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

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 this 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 Pueblo of San Ildefonso. Sandia Canyon empties into the Rio Grande in White Rock Canyon at an elevation of 5450 ft. The area of Sandia Canyon watershed is approximately 5.5 mi^2. Perennial stream flow and saturated alluvial groundwater conditions occur in the upper and middle portions of the canyon system because sanitary wastewater and cooling tower effluent discharge to the canyon from operating

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

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

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

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

2.0 SCOPE OF ACTIVITIES

The PME for the Chromium Investigation Monitoring Group was conducted pursuant to the 2011 IFGMP (LANL 2011, 205231).

Table 2.0-1 provides the location name, port name, updated location name (because of database change), sample collection date, screened interval, top and bottom screen depths, casing volume, purge volume, and purge rate for each of the monitored locations. These locations are shown in Figure 2.0-1.

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the PME are documented in the 2011 IFGMP (LANL 2011, 205231).

3.2 Field Parameter Results

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

3.3 Water-Level Observations

The periodic monitoring water-level data for the previous 3 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 for the Chromium Investigation Monitoring Group. Table 3.4-2 presents a list of analytes for which the practical quantitation limits (PQLs) are greater than screening levels.

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PME are documented in the 2011 IFGMP (LANL 2011, 205231). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737), and ENV-RCRA-QP-010.2, Land Application of Groundwater. ENV-RCRA-QP-010.2 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling purge water.

All sampling, data reviews, and data package validations were conducted using standard operating procedures (SOPs) that are part of a comprehensive quality assurance program. The quality program and procedures are available at http://www.lanl.gov/environment/all/qa.shtml. Completed chain-of-custody forms serve as an analytical request form 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 analysis required.

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 by an independent contractor, Analytical Quality Associates, Inc. (AQA). The reviews by AQA 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 is assigned to the analytical results.

The Laboratory assigns detection status to the analytical result based on the analytical laboratory and secondary validation qualifiers. A "<" symbol indicates that, based on the qualifiers, the result was a nondetection.

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) 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, are not included in the data set.
    - ❖ Field duplicates, reanalyses, field blanks, trip blanks, equipment blanks, 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.
    - ❖ Low-detection-limit tritium results greater than 3 times the 1 standard deviation total propagated analytical uncertainty are considered to be detections.
    - ❖ Otherwise, all results are reported at all locations.
- Nonradionuclides
    - ❖ All results, excluding nondetections, are reported.

The results of data screening for this PMR are presented in Appendix D. These tables show all detected analytical results for perchlorate, radionuclides, and organic compounds and all analytical results greater than half the lowest applicable screening-level values for metals and general inorganic compounds. Because uranium, gross alpha, and gross beta are usually detected in water samples and to focus on the higher measurements, the tables include only occurrences of these measurements above threshold values. (All of the detected results are included in Appendix C.) The threshold levels are 5 µg/L for uranium, 5 pCi/L for gross alpha, and 20 pCi/L for gross beta, which are lower than the respective screening levels (30 µg/L for uranium, 15 pCi/L for gross alpha, and 50 pCi/L for gross beta). The sources of screening levels with which the results are compared are listed in Table 4.2-1.

Data for PMRs are evaluated using the following screening process.

- 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 a 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 values 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.

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 were counted as one result. For example, if aluminum is detected above a screening level in both a primary sample and a field duplicate, only the highest result is shown.

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

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

4.2.1 Surface Water (Base Flow)

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

4.2.2 Groundwater

No results from previous PME groundwater samples reported in this PMR were above screening levels.

For the current PME, perchlorate concentrations for intermediate groundwater wells MCOI-5 and MCOI-6 were 75.1 µg/L and 63.1 µg/L, respectively, above the Consent Order screening level of 4 µg/L. MCOI-5 concentrations have ranged from 68.7 µg/L to 132 µg/L since 2005. The results in MCOI-6 have decreased from 160 µg/L in late 2007; the measurement from this PME is the lowest.

In MCOI-6, the filtered chromium concentration of 61.8 µg/L was above the NMWQCC groundwater standard screening level of 50 µg/L. Measurements since 2005 range from 29.4 µg/L to 65.5 µg/L.

The unfiltered dioxane[1,4-] concentration of 12.1 µg/L in a sample from MCOI-6 was above the EPA tap water screening level of 6.7 µg/L. Measurements since 2006 range from 29.6 µg/L to 9.8 µg/L. Concentrations have decreased from 29.6 µg/L since August 2007.

The filtered chromium result of 501 µg/L at intermediate well SCI-2 was above the NMWQCC groundwater standard screening level of 50 µg/L. Results since October of 2008 range from 471 µg/L to 658 µg/L.

The unfiltered and filtered arsenic results of 23.4 µg/L and 16.5 µg/L at intermediate well SCI-1 were above the 10 µg/L EPA MCL screening level. Both results were estimated and were analyzed at 5-fold dilution with a method detection limit (MDL) of 8.5 µg/L. Reanalysis of the sample gave unfiltered and filtered arsenic results of nondetect, reported at the PQL of <5 µg/L; the MDL is 1.7 µg/L. Earlier filtered results are between 1.5 µg/L and 8.56 µg/L; most are nondetections. The previous unfiltered results are between 1.5 µg/L and 6.68 µg/L; about half are nondetections.

The perchlorate concentration in regional well R-15 was 8.14 µg/L, above the Consent Order screening level of 4 µg/L. This concentration is the highest measured at the well. Other values from R-15, measured by the liquid chromatography/mass spectrometry method since 2003, range from 4.6 µg/L to 8.06 µg/L, although many are estimated.

The perchlorate concentration at the 1125-ft screen of regional well R-61 was 5.96 µg/L, above the Consent Order screening level of 4 µg/L. Results from two earlier sampling events were 2.96 µg/L and 6.54 µg/L.

In regional well R-28, the filtered chromium concentration was 455 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. Other measurements since 2005 range from 310 µg/L to 472 µg/L and show no particular trend with time. In regional well R-42, the filtered chromium concentration was 935 µg/L. Concentrations since 2008 range from 744 µg/L to 1240 µg/L.

The filtered chromium concentration from the 1077-ft screen at regional aquifer well R-50 was 89.4 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. This concentration is the highest measured at this screen. Values for earlier sampling events range from 49.8 µg/L to 81 µg/L.

Filtered iron concentrations from one screen and filtered manganese concentrations from both screens of regional aquifer well R-61 were above the respective NMWQCC groundwater standard screening levels of 1000 µg/L and 200 µg/L (both applicable to domestic water supply). The manganese concentration at the 1125-ft screen was 914 µg/L. At the 1220.4-ft screen, the iron and manganese concentrations were 1750 µg/L and 566 µg/L, respectively. This is the third sample from the well. The concentrations for filtered iron and manganese in the first sampling event were below screening levels at both screens. The concentrations in the second sampling event were all above the screening levels. In the current PME samples, all the filtered iron and manganese concentrations were approximately half those of the second sample event.

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 well R-61 and R-62 are affected by impacts from drilling and well construction and therefore data acquired from the wells may not be representative of aquifer conditions. Both wells must be assessed for their ability to produce representative samples, and further well development or replacement may be necessary for one or both wells. Otherwise, no modifications to the periodic monitoring sampling for the monitoring group are proposed at this time.

5.0 SUMMARY AND INTERPRETATIONS

5.1 Monitoring Results

A summary of the field parameter monitoring results is presented in Appendix A.

5.2 Analytical Results

5.2.1 Surface Water (Base Flow)

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

5.2.2 Groundwater

No results from previous PME groundwater samples reported in this PMR were above screening levels. Fourteen results from groundwater samples collected during this PME from the Chromium Investigation Monitoring Group were above screening levels.

For results above screening levels, except for the high arsenic results at SCI-1 (that were reanalyzed producing results in the usual range), the highest perchlorate at R-15, and highest chromium at the 1077-ft screen of R-50, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this monitoring group.

5.3 Data Gaps

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

5.4 Remediation System Monitoring

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

6.0 REFERENCES

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

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

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

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

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

LANL (Los Alamos National Laboratory), August 2011. "2011 Interim Facility-Wide Groundwater Monitoring Plan," Los Alamos National Laboratory document LA-UR-11-2183, Los Alamos, New Mexico. (LANL 2011, 205231)

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)

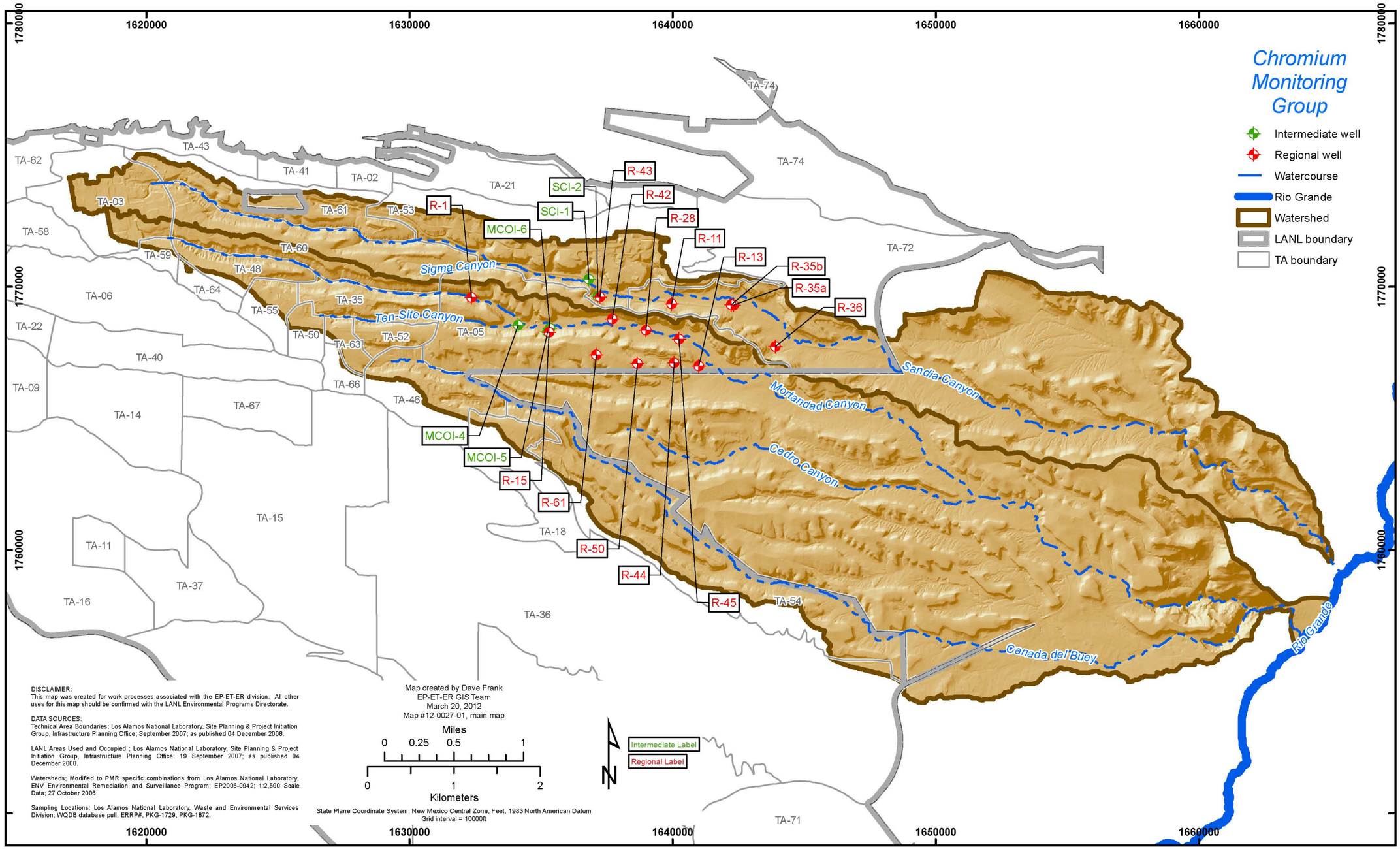


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Table 3.4-1).

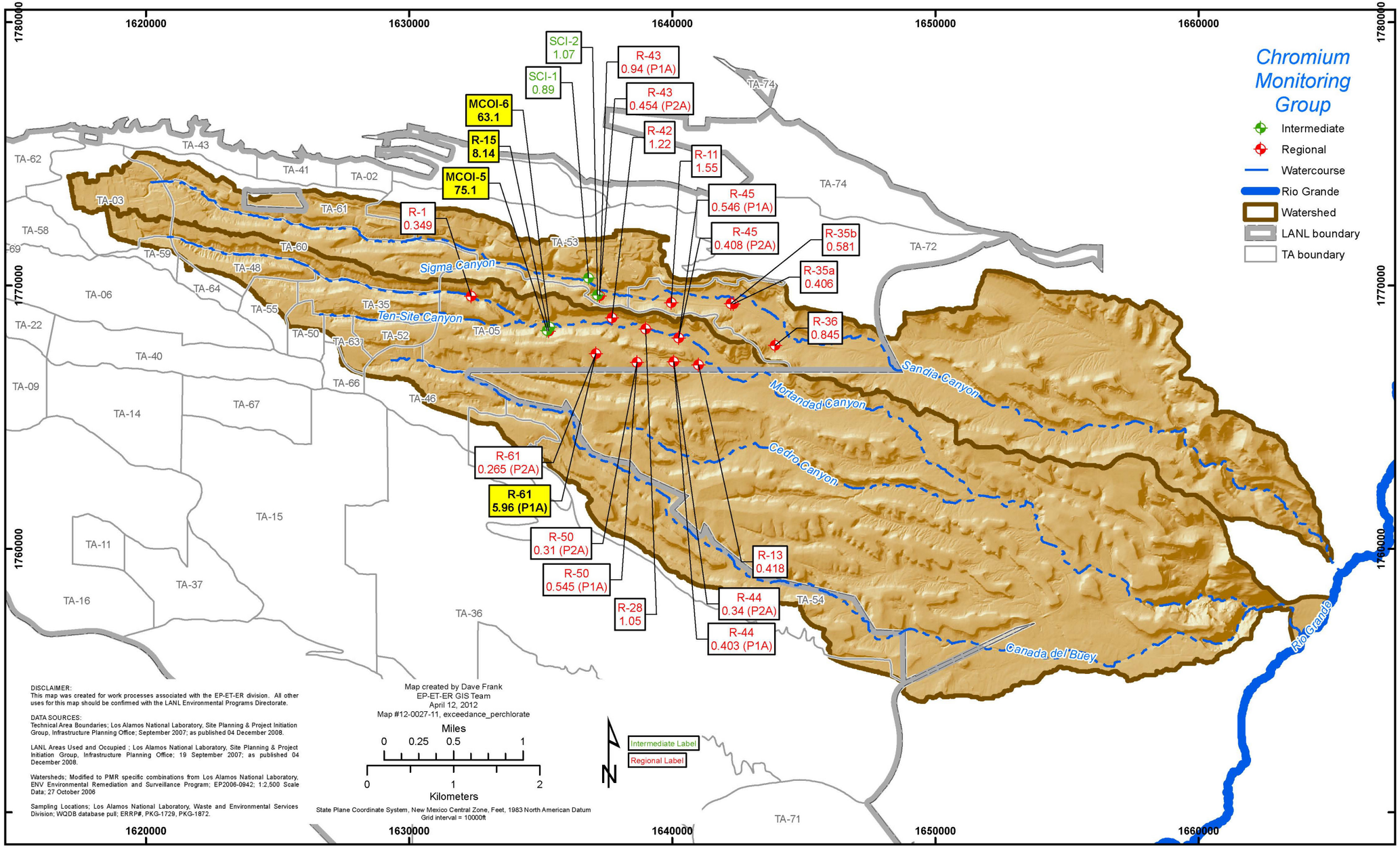


Figure 4.2-1 Monitoring group filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L.

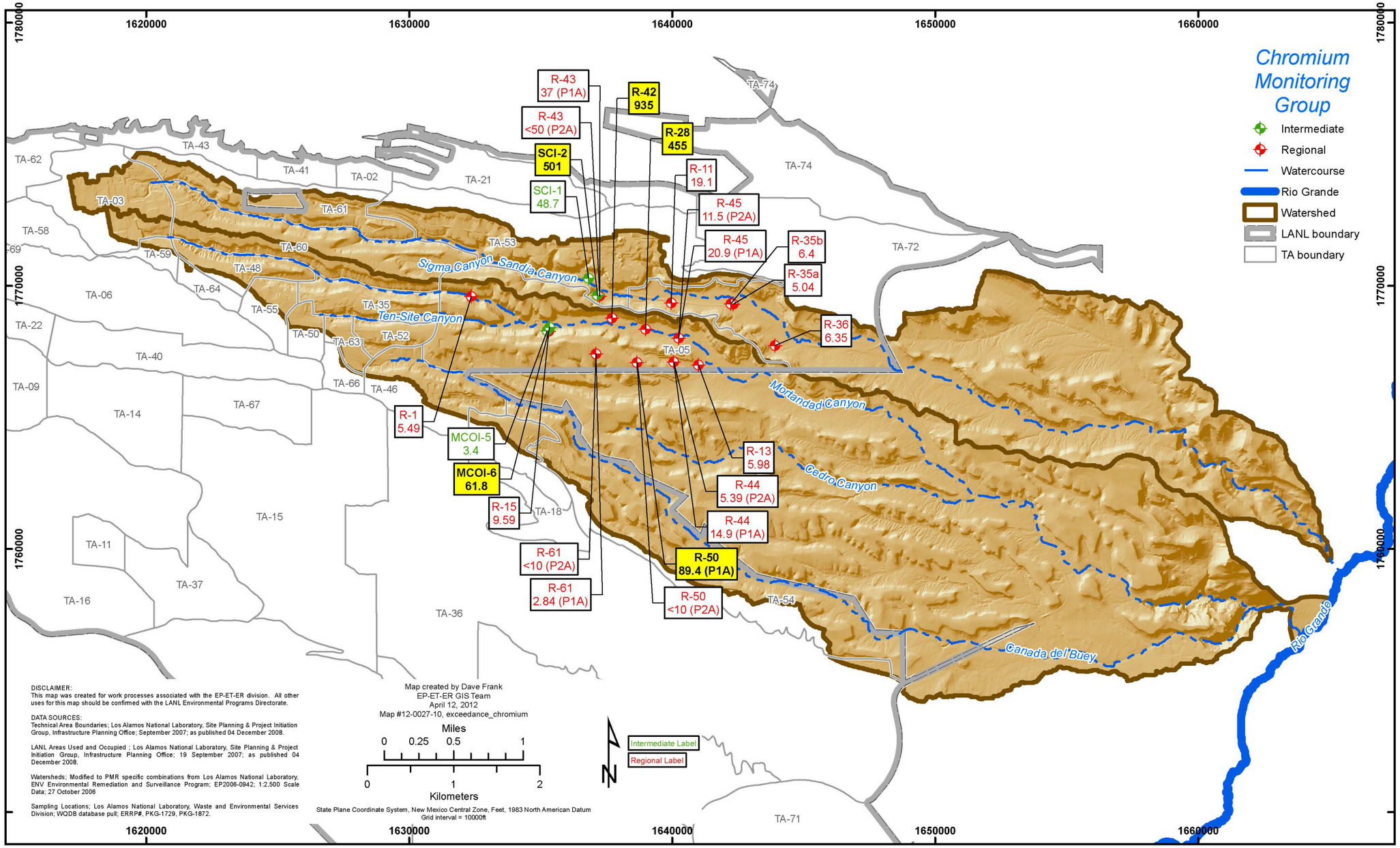


Figure 4.2-2 Monitoring group filtered chromium concentrations in µg/L. The NMWQCC groundwater standard screening level is 50 µg/L.

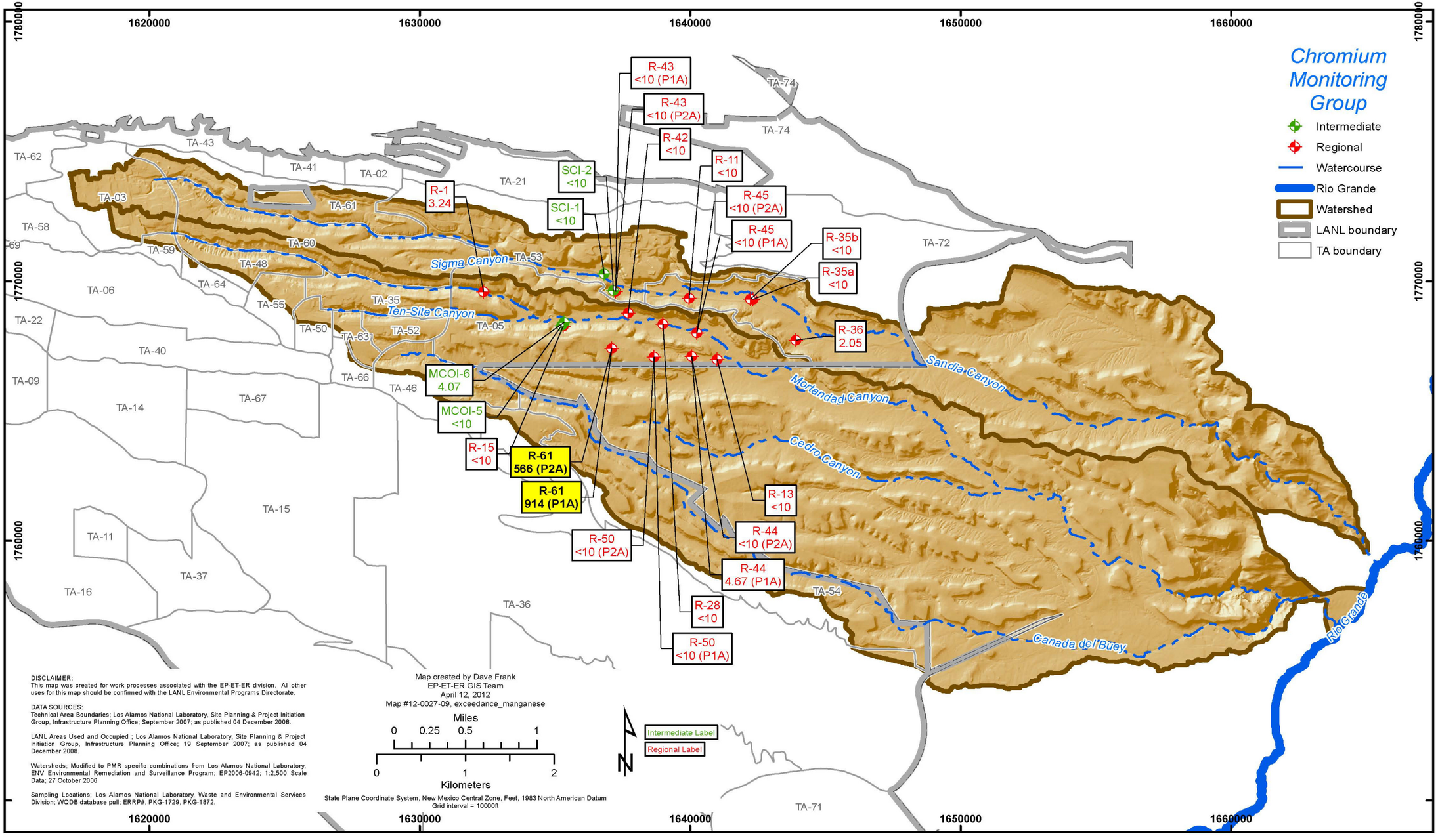


Figure 4.2-3 Monitoring group filtered manganese concentrations in µg/L. The NMWQCC groundwater standard screening level is 200 µg/L.

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

Location Name	Port Name	Updated Location Name	Sample Collection Date	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge-Rate (cfs[a])
MCOI-4	Single	MCOI-4	11/15/11	23.1	498.9	522	n/a[b]	n/a	Dry[c]
MCOI-5	Single	MCOI-5	11/08/11	9.96	689.04	699	18.4	18.5	0.0005
MCOI-6	Single	MCOI-6	11/09/11	22.3	686	708.3	47.2	142	0.0025
SCI-1	Single	SCI-1	11/16/11	19.5	358.4	377.9	7.2	7.5	0.0011
SCI-2	Single	SCI-2	11/14/11	20	548	568	7.13	21	0.0011
R-1	Single	R-1	11/18/11	26.3	1031.12	1057.42	63.4	190	0.0069
R-11	Single	R-11	11/16/11	22.9	855	877.9	52.4	159	0.0067
R-13	Single	R-13	11/22/11	60.39	958.33	1018.72	158	474	0.0125
R-15	Single	R-15	11/10/11	61.7	958.6	1020.3	60.3	196	0.0209
R-28	Single	R-28	11/15/11	23.8	934.3	958.1	72.7	220.5	0.0093
R-35a	Single	R-35a	11/17/11	49.1	1013.1	1062.2	237.74	746	0.0084
R-35b	Single	R-35b	11/09/11	23.1	825.4	848.5	67.1	202	0.0067
R-36	Single	R-36	11/16/11	23	766.9	789.9	43.1	130	0.0074
R-42	Single	R-42	11/10/11	21.1	931.8	952.9	52.9	160.4	0.0041
R-43	P1A	R-43 S1	11/15/11	20.7	903.9	924.6	66.97	203	0.0031
R-43	P2A	R-43 S2	11/15/11	10	969.1	979.1	25.5	76.53	0.0031
R-44	P1A	R-44 S1	11/17/11	10	895	905	57.29	184	0.0072
R-44	P2A	R-44 S2	11/17/11	9.9	985.3	995.2	76.4	230	0.0078
R-45	P1A	R-45 S1	11/16/11	10	880	890	52.8	160	0.0078
R-45	P2A	R-45 S2	11/16/11	20	974.9	994.9	91.8	276.5	0.0078
R-50	P1A	R-50 S1	11/18/11	10	1077	1087	51.51	163.3	0.0042
R-50	P2A	R-50 S2	11/28/11	20.6	1185	1205.6	96.5	290	0.0033
R-61	P1A	R-61 S1	11/15/11	10	1125	1135	61.8	378	0.0045
R-61	P2A	R-61 S2	11/14/11	20.6	1220.4	1241	86.3	520	0.0045

[a] cfs = Cubic feet per second.

[b] n/a = Not applicable.

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

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

Location	Deviation	Cause	Comment
MCOI-4	No data are included in this report for this location.	The location was not sampled because it was dry.	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	PQL	Screening Level	Unit	Screening-Level Type
Herbicides						
94-74-6	MCPA[b]	12	53	18	µg/L	EPA Regional Tap
93-65-2	MCPP[c]	11	53	37	µg/L	EPA Regional Tap
Metals						
Be	Beryllium	1	5	4	µg/L	EPA MCL
Semivolatile Organic Analytes						
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 GW STD

Table 3.4-2 (continued)

Analyte or CAS[a] No.	Analyte Name	MDL	PQL	Screening Level	Unit	Screening-Level Type
Volatile Organic Analytes						
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] MCPA = 2-Methyl-4-chlorophenoxyacetic acid.

[c] 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 141c	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-5	11/08/11	Perchlorate	F[a]	75.1	µg/L	4	Consent Order
MCOI-6	11/09/11	Perchlorate	F	63.1	µg/L	4	Consent Order
MCOI-6	11/09/11	Chromium	F	61.8	µg/L	50	NMWQCC GW STD
SCI-1	11/16/11	Arsenic	UF[b]	23.4	µg/L	10	EPA MCL
SCI-2	11/14/11	Chromium	F	501	µg/L	50	NMWQCC GW STD
MCOI-6	11/09/11	Dioxane[1,4-]	UF	12.1	µg/L	6.7	EPA TAP SCRN LVL
Regional Groundwater							
R-15	11/10/11	Perchlorate	F	8.14	µg/L	4	Consent Order
R-61	11/21/11	Perchlorate	F	5.96	µg/L	4	Consent Order
R-42	11/10/11	Chromium	F	935	µg/L	50	NMWQCC GW STD
R-28	11/15/11	Chromium	F	455	µg/L	50	NMWQCC GW STD
R-61	11/21/11	Manganese	F	914	µg/L	200	NMWQCC GW STD
R-61	11/18/11	Iron	F	1750	µg/L	1000	NMWQCC GW STD
R-61	11/18/11	Manganese	F	566	µg/L	200	NMWQCC GW STD
R-50	11/18/11	Chromium	F	89.4	µg/L	50	NMWQCC GW STD

[a] F = Filtered.

[b] UF = Unfiltered.

Appendix A

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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-5	689	11/08/11	WG[a]	Dissolved Oxygen	7.14	mg/L	CAMO-12-1465
MCOI-5	689	08/10/11	WG	Dissolved Oxygen	7.01	mg/L	CAMO-11-24627
MCOI-5	689	05/26/11	WG	Dissolved Oxygen	6.81	mg/L	CAMO-11-10699
MCOI-5	689	02/28/11	WG	Dissolved Oxygen	7.32	mg/L	CAMO-11-4590
MCOI-5	689	11/15/10	WG	Dissolved Oxygen	6.34	mg/L	CAMO-11-1253
MCOI-5	689	11/08/11	WG	Oxidation Reduction Potential	213.3	mV	CAMO-12-1465
MCOI-5	689	08/10/11	WG	Oxidation Reduction Potential	236	mV	CAMO-11-24627
MCOI-5	689	05/26/11	WG	Oxidation Reduction Potential	138.8	mV	CAMO-11-10699
MCOI-5	689	02/28/11	WG	Oxidation Reduction Potential	216.4	mV	CAMO-11-4590
MCOI-5	689	11/15/10	WG	Oxidation Reduction Potential	305.3	mV	CAMO-11-1253
MCOI-5	689	11/08/11	WG	pH	8.44	SU[b]	CAMO-12-1465
MCOI-5	689	08/10/11	WG	pH	8.42	SU	CAMO-11-24627
MCOI-5	689	05/26/11	WG	pH	8.04	SU	CAMO-11-10699
MCOI-5	689	02/28/11	WG	pH	8.35	SU	CAMO-11-4590
MCOI-5	689	11/08/11	WG	Specific Conductance	191	µS/cm	CAMO-12-1465
MCOI-5	689	08/10/11	WG	Specific Conductance	199	µS/cm	CAMO-11-24627
MCOI-5	689	05/26/11	WG	Specific Conductance	184	µS/cm	CAMO-11-10699
MCOI-5	689	02/28/11	WG	Specific Conductance	160	µS/cm	CAMO-11-4590
MCOI-5	689	11/08/11	WG	Temperature	11.72	deg C	CAMO-12-1465
MCOI-5	689	08/10/11	WG	Temperature	13.8	deg C	CAMO-11-24627
MCOI-5	689	05/26/11	WG	Temperature	13.66	deg C	CAMO-11-10699
MCOI-5	689	02/28/11	WG	Temperature	13.68	deg C	CAMO-11-4590
MCOI-5	689	11/15/10	WG	Temperature	13.05	deg C	CAMO-11-1253
MCOI-5	689	11/08/11	WG	Turbidity	0.58	NTU[c]	CAMO-12-1465
MCOI-5	689	08/10/11	WG	Turbidity	0.34	NTU	CAMO-11-24627
MCOI-5	689	05/26/11	WG	Turbidity	0.55	NTU	CAMO-11-10699
MCOI-5	689	02/28/11	WG	Turbidity	0.1	NTU	CAMO-11-4590
MCOI-5	689	11/15/10	WG	Turbidity	0.55	NTU	CAMO-11-1253

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	11/09/11	WG	Dissolved Oxygen	6.65	mg/L	CAMO-12-1468
MCOI-6	686	08/10/11	WG	Dissolved Oxygen	6.86	mg/L	CAMO-11-24630
MCOI-6	686	05/31/11	WG	Dissolved Oxygen	6.9	mg/L	CAMO-11-10700
MCOI-6	686	02/09/11	WG	Dissolved Oxygen	7.08	mg/L	CAMO-11-4592
MCOI-6	686	11/10/10	WG	Dissolved Oxygen	6.48	mg/L	CAMO-11-1256
MCOI-6	686	11/09/11	WG	Oxidation Reduction Potential	180.8	mV	CAMO-12-1468
MCOI-6	686	08/10/11	WG	Oxidation Reduction Potential	151.2	mV	CAMO-11-24630
MCOI-6	686	05/31/11	WG	Oxidation Reduction Potential	207.8	mV	CAMO-11-10700
MCOI-6	686	02/09/11	WG	Oxidation Reduction Potential	118.7	mV	CAMO-11-4592
MCOI-6	686	11/10/10	WG	Oxidation Reduction Potential	417.2	mV	CAMO-11-1256
MCOI-6	686	11/09/11	WG	pH	7.11	SU	CAMO-12-1468
MCOI-6	686	08/10/11	WG	pH	7.11	SU	CAMO-11-24630
MCOI-6	686	05/31/11	WG	pH	7.13	SU	CAMO-11-10700
MCOI-6	686	02/09/11	WG	pH	7.12	SU	CAMO-11-4592
MCOI-6	686	11/10/10	WG	pH	6.96	SU	CAMO-11-1256
MCOI-6	686	11/09/11	WG	Specific Conductance	618	µS/cm	CAMO-12-1468
MCOI-6	686	08/10/11	WG	Specific Conductance	650	µS/cm	CAMO-11-24630
MCOI-6	686	05/31/11	WG	Specific Conductance	621	µS/cm	CAMO-11-10700
MCOI-6	686	02/09/11	WG	Specific Conductance	616	µS/cm	CAMO-11-4592
MCOI-6	686	11/10/10	WG	Specific Conductance	628	µS/cm	CAMO-11-1256
MCOI-6	686	11/09/11	WG	Temperature	14.42	deg C	CAMO-12-1468
MCOI-6	686	08/10/11	WG	Temperature	16.69	deg C	CAMO-11-24630
MCOI-6	686	05/31/11	WG	Temperature	16.17	deg C	CAMO-11-10700
MCOI-6	686	02/09/11	WG	Temperature	14.28	deg C	CAMO-11-4592
MCOI-6	686	11/10/10	WG	Temperature	12.84	deg C	CAMO-11-1256
MCOI-6	686	11/09/11	WG	Turbidity	0.79	NTU	CAMO-12-1468
MCOI-6	686	08/10/11	WG	Turbidity	0.39	NTU	CAMO-11-24630
MCOI-6	686	05/31/11	WG	Turbidity	0.58	NTU	CAMO-11-10700

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-6	686	02/09/11	WG	Turbidity	0.74	NTU	CAMO-11-4592
MCOI-6	686	11/10/10	WG	Turbidity	0.58	NTU	CAMO-11-1256
R-1	1031.1	11/18/11	WG	Dissolved Oxygen	5.35	mg/L	CAMO-12-1474
R-1	1031.1	08/02/11	WG	Dissolved Oxygen	5.42	mg/L	CAMO-11-24660
R-1	1031.1	06/03/11	WG	Dissolved Oxygen	5.35	mg/L	CAMO-11-10747
R-1	1031.1	11/12/10	WG	Dissolved Oxygen	4.84	mg/L	CAMO-11-1262
R-1	1031.1	07/13/10	WG	Dissolved Oxygen	4.69	mg/L	CAMO-10-22844
R-1	1031.1	11/18/11	WG	Oxidation Reduction Potential	136.8	mV	CAMO-12-1474
R-1	1031.1	08/02/11	WG	Oxidation Reduction Potential	184.2	mV	CAMO-11-24660
R-1	1031.1	06/03/11	WG	Oxidation Reduction Potential	166	mV	CAMO-11-10747
R-1	1031.1	11/12/10	WG	Oxidation Reduction Potential	192.6	mV	CAMO-11-1262
R-1	1031.1	07/13/10	WG	Oxidation Reduction Potential	49.5	mV	CAMO-10-22844
R-1	1031.1	11/18/11	WG	pH	7.39	SU	CAMO-12-1474
R-1	1031.1	08/02/11	WG	pH	7.2	SU	CAMO-11-24660
R-1	1031.1	06/03/11	WG	pH	7.5	SU	CAMO-11-10747
R-1	1031.1	11/12/10	WG	pH	7	SU	CAMO-11-1262
R-1	1031.1	11/18/11	WG	Specific Conductance	143	µS/cm	CAMO-12-1474
R-1	1031.1	08/02/11	WG	Specific Conductance	143	µS/cm	CAMO-11-24660
R-1	1031.1	06/03/11	WG	Specific Conductance	143	µS/cm	CAMO-11-10747
R-1	1031.1	11/12/10	WG	Specific Conductance	140	µS/cm	CAMO-11-1262
R-1	1031.1	11/18/11	WG	Temperature	20.4	deg C	CAMO-12-1474
R-1	1031.1	08/02/11	WG	Temperature	20.71	deg C	CAMO-11-24660
R-1	1031.1	06/03/11	WG	Temperature	2.47	deg C	CAMO-11-10747
R-1	1031.1	11/12/10	WG	Temperature	20.26	deg C	CAMO-11-1262
R-1	1031.1	07/13/10	WG	Temperature	21.71	deg C	CAMO-10-22844
R-1	1031.1	11/18/11	WG	Turbidity	1.48	NTU	CAMO-12-1474
R-1	1031.1	08/02/11	WG	Turbidity	1.61	NTU	CAMO-11-24660
R-1	1031.1	06/03/11	WG	Turbidity	1.03	NTU	CAMO-11-10747

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-1	1031.1	11/12/10	WG	Turbidity	0.48	NTU	CAMO-11-1262
R-1	1031.1	07/13/10	WG	Turbidity	0.39	NTU	CAMO-10-22844
R-11	855	11/16/11	WG	Dissolved Oxygen	7.58	mg/L	CASA-12-1379
R-11	855	08/12/11	WG	Dissolved Oxygen	7.54	mg/L	CASA-11-24778
R-11	855	05/23/11	WG	Dissolved Oxygen	7.48	mg/L	CASA-11-10811
R-11	855	02/25/11	WG	Dissolved Oxygen	7.58	mg/L	CASA-11-4560
R-11	855	11/11/10	WG	Dissolved Oxygen	5.98	mg/L	CASA-11-1371
R-11	855	11/16/11	WG	Oxidation Reduction Potential	168.7	mV	CASA-12-1379
R-11	855	08/12/11	WG	Oxidation Reduction Potential	213.3	mV	CASA-11-24778
R-11	855	05/23/11	WG	Oxidation Reduction Potential	188.7	mV	CASA-11-10811
R-11	855	02/25/11	WG	Oxidation Reduction Potential	204.4	mV	CASA-11-4560
R-11	855	11/11/10	WG	Oxidation Reduction Potential	275.5	mV	CASA-11-1371
R-11	855	11/16/11	WG	pH	7.99	SU	CASA-12-1379
R-11	855	08/12/11	WG	pH	7.98	SU	CASA-11-24778
R-11	855	05/23/11	WG	pH	7.91	SU	CASA-11-10811
R-11	855	02/25/11	WG	pH	7.97	SU	CASA-11-4560
R-11	855	11/11/10	WG	pH	7.86	SU	CASA-11-1371
R-11	855	11/16/11	WG	Specific Conductance	224	µS/cm	CASA-12-1379
R-11	855	08/12/11	WG	Specific Conductance	224	µS/cm	CASA-11-24778
R-11	855	05/23/11	WG	Specific Conductance	222	µS/cm	CASA-11-10811
R-11	855	02/25/11	WG	Specific Conductance	231	µS/cm	CASA-11-4560
R-11	855	11/11/10	WG	Specific Conductance	219	µS/cm	CASA-11-1371
R-11	855	11/16/11	WG	Temperature	21.21	deg C	CASA-12-1379
R-11	855	08/12/11	WG	Temperature	21.99	deg C	CASA-11-24778
R-11	855	05/23/11	WG	Temperature	21.96	deg C	CASA-11-10811
R-11	855	02/25/11	WG	Temperature	21.31	deg C	CASA-11-4560
R-11	855	11/11/10	WG	Temperature	20.36	deg C	CASA-11-1371
R-11	855	11/16/11	WG	Turbidity	0.24	NTU	CASA-12-1379

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-11	855	08/12/11	WG	Turbidity	0.42	NTU	CASA-11-24778
R-11	855	05/23/11	WG	Turbidity	0.22	NTU	CASA-11-10811
R-11	855	02/25/11	WG	Turbidity	0	NTU	CASA-11-4560
R-11	855	11/11/10	WG	Turbidity	0.23	NTU	CASA-11-1371
R-13	958.3	11/22/11	WG	Dissolved Oxygen	6.29	mg/L	CAMO-12-1480
R-13	958.3	08/01/11	WG	Dissolved Oxygen	6.59	mg/L	CAMO-11-24633
R-13	958.3	05/25/11	WG	Dissolved Oxygen	6.55	mg/L	CAMO-11-10703
R-13	958.3	02/18/11	WG	Dissolved Oxygen	6.65	mg/L	CAMO-11-4595
R-13	958.3	11/09/10	WG	Dissolved Oxygen	6.15	mg/L	CAMO-11-1269
R-13	958.3	11/22/11	WG	Oxidation Reduction Potential	194.9	mV	CAMO-12-1480
R-13	958.3	08/01/11	WG	Oxidation Reduction Potential	82.5	mV	CAMO-11-24633
R-13	958.3	05/25/11	WG	Oxidation Reduction Potential	203.6	mV	CAMO-11-10703
R-13	958.3	02/18/11	WG	Oxidation Reduction Potential	190.6	mV	CAMO-11-4595
R-13	958.3	11/09/10	WG	Oxidation Reduction Potential	347.9	mV	CAMO-11-1269
R-13	958.3	11/22/11	WG	pH	8.29	SU	CAMO-12-1480
R-13	958.3	08/01/11	WG	pH	8.21	SU	CAMO-11-24633
R-13	958.3	05/25/11	WG	pH	8.24	SU	CAMO-11-10703
R-13	958.3	02/18/11	WG	pH	8.24	SU	CAMO-11-4595
R-13	958.3	11/09/10	WG	pH	8.02	SU	CAMO-11-1269
R-13	958.3	11/22/11	WG	Specific Conductance	141	µS/cm	CAMO-12-1480
R-13	958.3	08/01/11	WG	Specific Conductance	143	µS/cm	CAMO-11-24633
R-13	958.3	05/25/11	WG	Specific Conductance	140	µS/cm	CAMO-11-10703
R-13	958.3	02/18/11	WG	Specific Conductance	132	µS/cm	CAMO-11-4595
R-13	958.3	11/09/10	WG	Specific Conductance	140	µS/cm	CAMO-11-1269
R-13	958.3	11/22/11	WG	Temperature	20.78	deg C	CAMO-12-1480
R-13	958.3	08/01/11	WG	Temperature	22.01	deg C	CAMO-11-24633
R-13	958.3	05/25/11	WG	Temperature	22.08	deg C	CAMO-11-10703
R-13	958.3	02/18/11	WG	Temperature	21.87	deg C	CAMO-11-4595

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-13	958.3	11/09/10	WG	Temperature	17.63	deg C	CAMO-11-1269
R-13	958.3	11/22/11	WG	Turbidity	0.42	NTU	CAMO-12-1480
R-13	958.3	08/01/11	WG	Turbidity	0.28	NTU	CAMO-11-24633
R-13	958.3	05/25/11	WG	Turbidity	0.31	NTU	CAMO-11-10703
R-13	958.3	02/18/11	WG	Turbidity	0.11	NTU	CAMO-11-4595
R-13	958.3	11/09/10	WG	Turbidity	0.39	NTU	CAMO-11-1269
R-15	958.6	11/10/11	WG	Dissolved Oxygen	7.16	mg/L	CAMO-12-1485
R-15	958.6	08/15/11	WG	Dissolved Oxygen	6.6	mg/L	CAMO-11-24636
R-15	958.6	05/31/11	WG	Dissolved Oxygen	6.9	mg/L	CAMO-11-10715
R-15	958.6	02/28/11	WG	Dissolved Oxygen	7.2	mg/L	CAMO-11-4597
R-15	958.6	11/09/10	WG	Dissolved Oxygen	6.02	mg/L	CAMO-11-1268
R-15	958.6	11/10/11	WG	Oxidation Reduction Potential	225.4	mV	CAMO-12-1485
R-15	958.6	08/15/11	WG	Oxidation Reduction Potential	37.9	mV	CAMO-11-24636
R-15	958.6	05/31/11	WG	Oxidation Reduction Potential	175.9	mV	CAMO-11-10715
R-15	958.6	02/28/11	WG	Oxidation Reduction Potential	184.7	mV	CAMO-11-4597
R-15	958.6	11/09/10	WG	Oxidation Reduction Potential	326.8	mV	CAMO-11-1268
R-15	958.6	11/10/11	WG	pH	8.24	SU	CAMO-12-1485
R-15	958.6	08/15/11	WG	pH	8.6	SU	CAMO-11-24636
R-15	958.6	05/31/11	WG	pH	8.3	SU	CAMO-11-10715
R-15	958.6	02/28/11	WG	pH	8.21	SU	CAMO-11-4597
R-15	958.6	11/09/10	WG	pH	8.2	SU	CAMO-11-1268
R-15	958.6	11/10/11	WG	Specific Conductance	157	µS/cm	CAMO-12-1485
R-15	958.6	08/15/11	WG	Specific Conductance	185	µS/cm	CAMO-11-24636
R-15	958.6	05/31/11	WG	Specific Conductance	158	µS/cm	CAMO-11-10715
R-15	958.6	02/28/11	WG	Specific Conductance	156	µS/cm	CAMO-11-4597
R-15	958.6	11/09/10	WG	Specific Conductance	155	µS/cm	CAMO-11-1268
R-15	958.6	11/10/11	WG	Temperature	18.75	deg C	CAMO-12-1485
R-15	958.6	08/15/11	WG	Temperature	20.24	deg C	CAMO-11-24636

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-15	958.6	05/31/11	WG	Temperature	20.35	deg C	CAMO-11-10715
R-15	958.6	02/28/11	WG	Temperature	20.03	deg C	CAMO-11-4597
R-15	958.6	11/09/10	WG	Temperature	18.65	deg C	CAMO-11-1268
R-15	958.6	11/10/11	WG	Turbidity	2.33	NTU	CAMO-12-1485
R-15	958.6	08/15/11	WG	Turbidity	2.93	NTU	CAMO-11-24636
R-15	958.6	05/31/11	WG	Turbidity	1.71	NTU	CAMO-11-10715
R-15	958.6	02/28/11	WG	Turbidity	1.4	NTU	CAMO-11-4597
R-15	958.6	11/09/10	WG	Turbidity	4.36	NTU	CAMO-11-1268
R-28	934.3	11/15/11	WG	Dissolved Oxygen	6.73	mg/L	CAMO-12-1486
R-28	934.3	08/02/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-24637
R-28	934.3	06/01/11	WG	Dissolved Oxygen	6.56	mg/L	CAMO-11-10705
R-28	934.3	02/14/11	WG	Dissolved Oxygen	6.68	mg/L	CAMO-11-4598
R-28	934.3	11/10/10	WG	Dissolved Oxygen	5.52	mg/L	CAMO-11-1271
R-28	934.3	11/15/11	WG	Oxidation Reduction Potential	95.4	mV	CAMO-12-1486
R-28	934.3	08/02/11	WG	Oxidation Reduction Potential	116.1	mV	CAMO-11-24637
R-28	934.3	06/01/11	WG	Oxidation Reduction Potential	169	mV	CAMO-11-10705
R-28	934.3	02/14/11	WG	Oxidation Reduction Potential	133	mV	CAMO-11-4598
R-28	934.3	11/10/10	WG	Oxidation Reduction Potential	216.7	mV	CAMO-11-1271
R-28	934.3	11/15/11	WG	pH	7.8	SU	CAMO-12-1486
R-28	934.3	08/02/11	WG	pH	7.74	SU	CAMO-11-24637
R-28	934.3	06/01/11	WG	pH	7.78	SU	CAMO-11-10705
R-28	934.3	02/14/11	WG	pH	7.79	SU	CAMO-11-4598
R-28	934.3	11/15/11	WG	Specific Conductance	417	µS/cm	CAMO-12-1486
R-28	934.3	08/02/11	WG	Specific Conductance	424	µS/cm	CAMO-11-24637
R-28	934.3	06/01/11	WG	Specific Conductance	423	µS/cm	CAMO-11-10705
R-28	934.3	02/14/11	WG	Specific Conductance	402	µS/cm	CAMO-11-4598
R-28	934.3	11/15/11	WG	Temperature	20.22	deg C	CAMO-12-1486
R-28	934.3	08/02/11	WG	Temperature	21.22	deg C	CAMO-11-24637

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-28	934.3	06/01/11	WG	Temperature	22	deg C	CAMO-11-10705
R-28	934.3	02/14/11	WG	Temperature	20.68	deg C	CAMO-11-4598
R-28	934.3	11/10/10	WG	Temperature	18.63	deg C	CAMO-11-1271
R-28	934.3	11/15/11	WG	Turbidity	0.53	NTU	CAMO-12-1486
R-28	934.3	08/02/11	WG	Turbidity	0.29	NTU	CAMO-11-24637
R-28	934.3	06/01/11	WG	Turbidity	0.61	NTU	CAMO-11-10705
R-28	934.3	02/14/11	WG	Turbidity	0.28	NTU	CAMO-11-4598
R-28	934.3	11/10/10	WG	Turbidity	1.07	NTU	CAMO-11-1271
R-35a	1013.1	11/17/11	WG	Dissolved Oxygen	4.71	mg/L	CASA-12-1383
R-35a	1013.1	08/17/11	WG	Dissolved Oxygen	5.12	mg/L	CASA-11-24781
R-35a	1013.1	05/23/11	WG	Dissolved Oxygen	5.04	mg/L	CASA-11-10812
R-35a	1013.1	02/24/11	WG	Dissolved Oxygen	4.39	mg/L	CASA-11-4561
R-35a	1013.1	11/11/10	WG	Dissolved Oxygen	3.99	mg/L	CASA-11-1373
R-35a	1013.1	11/17/11	WG	Oxidation Reduction Potential	169.2	mV	CASA-12-1383
R-35a	1013.1	08/17/11	WG	Oxidation Reduction Potential	225.8	mV	CASA-11-24781
R-35a	1013.1	05/23/11	WG	Oxidation Reduction Potential	217.9	mV	CASA-11-10812
R-35a	1013.1	02/24/11	WG	Oxidation Reduction Potential	164.4	mV	CASA-11-4561
R-35a	1013.1	11/11/10	WG	Oxidation Reduction Potential	107.9	mV	CASA-11-1373
R-35a	1013.1	11/17/11	WG	pH	8.02	SU	CASA-12-1383
R-35a	1013.1	08/17/11	WG	pH	8	SU	CASA-11-24781
R-35a	1013.1	05/23/11	WG	pH	7.98	SU	CASA-11-10812
R-35a	1013.1	02/24/11	WG	pH	8	SU	CASA-11-4561
R-35a	1013.1	11/11/10	WG	pH	7.81	SU	CASA-11-1373
R-35a	1013.1	11/17/11	WG	Specific Conductance	243	µS/cm	CASA-12-1383
R-35a	1013.1	08/17/11	WG	Specific Conductance	247	µS/cm	CASA-11-24781
R-35a	1013.1	05/23/11	WG	Specific Conductance	248	µS/cm	CASA-11-10812
R-35a	1013.1	02/24/11	WG	Specific Conductance	245	µS/cm	CASA-11-4561
R-35a	1013.1	11/11/10	WG	Specific Conductance	242	µS/cm	CASA-11-1373

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35a	1013.1	11/17/11	WG	Temperature	23.44	deg C	CASA-12-1383
R-35a	1013.1	08/17/11	WG	Temperature	24.23	deg C	CASA-11-24781
R-35a	1013.1	05/23/11	WG	Temperature	24.3	deg C	CASA-11-10812
R-35a	1013.1	02/24/11	WG	Temperature	23.23	deg C	CASA-11-4561
R-35a	1013.1	11/11/10	WG	Temperature	22.61	deg C	CASA-11-1373
R-35a	1013.1	11/17/11	WG	Turbidity	0.95	NTU	CASA-12-1383
R-35a	1013.1	08/17/11	WG	Turbidity	0.66	NTU	CASA-11-24781
R-35a	1013.1	05/23/11	WG	Turbidity	2.75	NTU	CASA-11-10812
R-35a	1013.1	02/24/11	WG	Turbidity	1.34	NTU	CASA-11-4561
R-35a	1013.1	11/11/10	WG	Turbidity	0.88	NTU	CASA-11-1373
R-35b	825.4	11/09/11	WG	Dissolved Oxygen	6.27	mg/L	CASA-12-1387
R-35b	825.4	08/12/11	WG	Dissolved Oxygen	5.92	mg/L	CASA-11-24783
R-35b	825.4	06/01/11	WG	Dissolved Oxygen	6.03	mg/L	CASA-11-10815
R-35b	825.4	02/28/11	WG	Dissolved Oxygen	6.8	mg/L	CASA-11-4563
R-35b	825.4	11/11/10	WG	Dissolved Oxygen	5.13	mg/L	CASA-11-1374
R-35b	825.4	11/09/11	WG	Oxidation Reduction Potential	191.7	mV	CASA-12-1387
R-35b	825.4	08/12/11	WG	Oxidation Reduction Potential	67.4	mV	CASA-11-24783
R-35b	825.4	06/01/11	WG	Oxidation Reduction Potential	286.6	mV	CASA-11-10815
R-35b	825.4	02/28/11	WG	Oxidation Reduction Potential	169.6	mV	CASA-11-4563
R-35b	825.4	11/11/10	WG	Oxidation Reduction Potential	119.5	mV	CASA-11-1374
R-35b	825.4	11/09/11	WG	pH	7.62	SU	CASA-12-1387
R-35b	825.4	08/12/11	WG	pH	7.68	SU	CASA-11-24783
R-35b	825.4	06/01/11	WG	pH	7.67	SU	CASA-11-10815
R-35b	825.4	02/28/11	WG	pH	7.67	SU	CASA-11-4563
R-35b	825.4	11/11/10	WG	pH	7.54	SU	CASA-11-1374
R-35b	825.4	11/09/11	WG	Specific Conductance	176	µS/cm	CASA-12-1387
R-35b	825.4	08/12/11	WG	Specific Conductance	177	µS/cm	CASA-11-24783
R-35b	825.4	06/01/11	WG	Specific Conductance	179	µS/cm	CASA-11-10815

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35b	825.4	02/28/11	WG	Specific Conductance	167	µS/cm	CASA-11-4563
R-35b	825.4	11/11/10	WG	Specific Conductance	170	µS/cm	CASA-11-1374
R-35b	825.4	11/09/11	WG	Temperature	20.54	deg C	CASA-12-1387
R-35b	825.4	08/12/11	WG	Temperature	21.8	deg C	CASA-11-24783
R-35b	825.4	06/01/11	WG	Temperature	22.09	deg C	CASA-11-10815
R-35b	825.4	02/28/11	WG	Temperature	20.29	deg C	CASA-11-4563
R-35b	825.4	11/11/10	WG	Temperature	21.27	deg C	CASA-11-1374
R-35b	825.4	11/09/11	WG	Turbidity	0.56	NTU	CASA-12-1387
R-35b	825.4	08/12/11	WG	Turbidity	0.42	NTU	CASA-11-24783
R-35b	825.4	06/01/11	WG	Turbidity	0.46	NTU	CASA-11-10815
R-35b	825.4	02/28/11	WG	Turbidity	0.9	NTU	CASA-11-4563
R-35b	825.4	11/11/10	WG	Turbidity	0.8	NTU	CASA-11-1374
R-36	766.9	11/16/11	WG	Dissolved Oxygen	6.22	mg/L	CASA-12-1388
R-36	766.9	08/15/11	WG	Dissolved Oxygen	6.16	mg/L	CASA-11-24789
R-36	766.9	06/02/11	WG	Dissolved Oxygen	6.15	mg/L	CASA-11-10816
R-36	766.9	02/25/11	WG	Dissolved Oxygen	6.31	mg/L	CASA-11-4565
R-36	766.9	11/11/10	WG	Dissolved Oxygen	5.14	mg/L	CASA-11-1376
R-36	766.9	11/16/11	WG	Oxidation Reduction Potential	165	mV	CASA-12-1388
R-36	766.9	08/15/11	WG	Oxidation Reduction Potential	175.7	mV	CASA-11-24789
R-36	766.9	06/02/11	WG	Oxidation Reduction Potential	207.9	mV	CASA-11-10816
R-36	766.9	02/25/11	WG	Oxidation Reduction Potential	180.9	mV	CASA-11-4565
R-36	766.9	11/11/10	WG	Oxidation Reduction Potential	247.6	mV	CASA-11-1376
R-36	766.9	11/16/11	WG	pH	7.37	SU	CASA-12-1388
R-36	766.9	08/15/11	WG	pH	7.37	SU	CASA-11-24789
R-36	766.9	06/02/11	WG	pH	7.37	SU	CASA-11-10816
R-36	766.9	02/25/11	WG	pH	7.37	SU	CASA-11-4565
R-36	766.9	11/11/10	WG	pH	7.46	SU	CASA-11-1376
R-36	766.9	11/16/11	WG	Specific Conductance	194	µS/cm	CASA-12-1388

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-36	766.9	08/15/11	WG	Specific Conductance	195	µS/cm	CASA-11-24789
R-36	766.9	06/02/11	WG	Specific Conductance	192	µS/cm	CASA-11-10816
R-36	766.9	02/25/11	WG	Specific Conductance	197	µS/cm	CASA-11-4565
R-36	766.9	11/11/10	WG	Specific Conductance	194	µS/cm	CASA-11-1376
R-36	766.9	11/16/11	WG	Temperature	20.45	deg C	CASA-12-1388
R-36	766.9	08/15/11	WG	Temperature	21.02	deg C	CASA-11-24789
R-36	766.9	06/02/11	WG	Temperature	21.31	deg C	CASA-11-10816
R-36	766.9	02/25/11	WG	Temperature	20.7	deg C	CASA-11-4565
R-36	766.9	11/11/10	WG	Temperature	16	deg C	CASA-11-1376
R-36	766.9	11/16/11	WG	Turbidity	1	NTU	CASA-12-1388
R-36	766.9	08/15/11	WG	Turbidity	0.67	NTU	CASA-11-24789
R-36	766.9	06/02/11	WG	Turbidity	0.8	NTU	CASA-11-10816
R-36	766.9	02/25/11	WG	Turbidity	0	NTU	CASA-11-4565
R-36	766.9	11/11/10	WG	Turbidity	1.08	NTU	CASA-11-1376
R-42	931.8	11/10/11	WG	Dissolved Oxygen	6.96	mg/L	CAMO-12-1491
R-42	931.8	08/02/11	WG	Dissolved Oxygen	6.79	mg/L	CAMO-11-24639
R-42	931.8	05/31/11	WG	Dissolved Oxygen	6.82	mg/L	CAMO-11-10717
R-42	931.8	02/18/11	WG	Dissolved Oxygen	6.88	mg/L	CAMO-11-4601
R-42	931.8	11/10/10	WG	Dissolved Oxygen	6.55	mg/L	CAMO-11-1273
R-42	931.8	11/10/11	WG	Oxidation Reduction Potential	193	mV	CAMO-12-1491
R-42	931.8	08/02/11	WG	Oxidation Reduction Potential	81.7	mV	CAMO-11-24639
R-42	931.8	05/31/11	WG	Oxidation Reduction Potential	249.8	mV	CAMO-11-10717
R-42	931.8	02/18/11	WG	Oxidation Reduction Potential	213.6	mV	CAMO-11-4601
R-42	931.8	11/10/10	WG	Oxidation Reduction Potential	300.4	mV	CAMO-11-1273
R-42	931.8	11/10/11	WG	pH	7.38	SU	CAMO-12-1491
R-42	931.8	08/02/11	WG	pH	7.54	SU	CAMO-11-24639
R-42	931.8	05/31/11	WG	pH	7.47	SU	CAMO-11-10717
R-42	931.8	02/18/11	WG	pH	7.5	SU	CAMO-11-4601

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-42	931.8	11/10/10	WG	pH	7.47	SU	CAMO-11-1273
R-42	931.8	11/10/11	WG	Specific Conductance	486	µS/cm	CAMO-12-1491
R-42	931.8	08/02/11	WG	Specific Conductance	486	µS/cm	CAMO-11-24639
R-42	931.8	05/31/11	WG	Specific Conductance	481	µS/cm	CAMO-11-10717
R-42	931.8	02/18/11	WG	Specific Conductance	428	µS/cm	CAMO-11-4601
R-42	931.8	11/10/10	WG	Specific Conductance	466	µS/cm	CAMO-11-1273
R-42	931.8	11/10/11	WG	Temperature	18.76	deg C	CAMO-12-1491
R-42	931.8	08/02/11	WG	Temperature	20.43	deg C	CAMO-11-24639
R-42	931.8	05/31/11	WG	Temperature	20.41	deg C	CAMO-11-10717
R-42	931.8	02/18/11	WG	Temperature	18.19	deg C	CAMO-11-4601
R-42	931.8	11/10/10	WG	Temperature	19.42	deg C	CAMO-11-1273
R-42	931.8	11/10/11	WG	Turbidity	0.81	NTU	CAMO-12-1491
R-42	931.8	08/02/11	WG	Turbidity	1.37	NTU	CAMO-11-24639
R-42	931.8	05/31/11	WG	Turbidity	0.71	NTU	CAMO-11-10717
R-42	931.8	02/18/11	WG	Turbidity	1.1	NTU	CAMO-11-4601
R-42	931.8	11/10/10	WG	Turbidity	1.22	NTU	CAMO-11-1273
R-43	903.9	11/15/11	WG	Dissolved Oxygen	7.06	mg/L	CASA-12-1391
R-43	903.9	08/16/11	WG	Dissolved Oxygen	7.01	mg/L	CASA-11-24785
R-43	903.9	05/18/11	WG	Dissolved Oxygen	6.97	mg/L	CASA-11-10818
R-43	903.9	02/23/11	WG	Dissolved Oxygen	6.86	mg/L	CASA-11-4567
R-43	903.9	11/16/10	WG	Dissolved Oxygen	5.84	mg/L	CASA-11-1379
R-43	903.9	11/15/11	WG	Oxidation Reduction Potential	158.5	mV	CASA-12-1391
R-43	903.9	08/16/11	WG	Oxidation Reduction Potential	119.2	mV	CASA-11-24785
R-43	903.9	05/18/11	WG	Oxidation Reduction Potential	196.6	mV	CASA-11-10818
R-43	903.9	02/23/11	WG	Oxidation Reduction Potential	141.3	mV	CASA-11-4567
R-43	903.9	11/16/10	WG	Oxidation Reduction Potential	141.8	mV	CASA-11-1379
R-43	903.9	11/15/11	WG	pH	8.3	SU	CASA-12-1391
R-43	903.9	08/16/11	WG	pH	8.27	SU	CASA-11-24785

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43	903.9	05/18/11	WG	pH	8.34	SU	CASA-11-10818
R-43	903.9	02/23/11	WG	pH	8.26	SU	CASA-11-4567
R-43	903.9	11/16/10	WG	pH	8.06	SU	CASA-11-1379
R-43	903.9	11/15/11	WG	Specific Conductance	177	µS/cm	CASA-12-1391
R-43	903.9	08/16/11	WG	Specific Conductance	177	µS/cm	CASA-11-24785
R-43	903.9	05/18/11	WG	Specific Conductance	175	µS/cm	CASA-11-10818
R-43	903.9	02/23/11	WG	Specific Conductance	175	µS/cm	CASA-11-4567
R-43	903.9	11/16/10	WG	Specific Conductance	175	µS/cm	CASA-11-1379
R-43	903.9	11/15/11	WG	Temperature	20.13	deg C	CASA-12-1391
R-43	903.9	08/16/11	WG	Temperature	20.94	deg C	CASA-11-24785
R-43	903.9	05/18/11	WG	Temperature	20.7	deg C	CASA-11-10818
R-43	903.9	02/23/11	WG	Temperature	20.56	deg C	CASA-11-4567
R-43	903.9	11/16/10	WG	Temperature	19.26	deg C	CASA-11-1379
R-43	903.9	11/15/11	WG	Turbidity	0.34	NTU	CASA-12-1391
R-43	903.9	08/16/11	WG	Turbidity	0.5	NTU	CASA-11-24785
R-43	903.9	05/18/11	WG	Turbidity	1.4	NTU	CASA-11-10818
R-43	903.9	02/23/11	WG	Turbidity	0.28	NTU	CASA-11-4567
R-43	903.9	11/16/10	WG	Turbidity	0.64	NTU	CASA-11-1379
R-43	969.1	11/15/11	WG	Dissolved Oxygen	2.93	mg/L	CASA-12-1396
R-43	969.1	08/16/11	WG	Dissolved Oxygen	2.65	mg/L	CASA-11-24787
R-43	969.1	08/16/11	WG	Dissolved Oxygen	2.65	mg/L	CASA-11-24755
R-43	969.1	08/16/11	WG	Dissolved Oxygen	2.54	mg/L	CASA-11-24753
R-43	969.1	08/16/11	WG	Dissolved Oxygen	1.3	mg/L	CASA-11-24751
R-43	969.1	05/18/11	WG	Dissolved Oxygen	2.83	mg/L	CASA-11-10820
R-43	969.1	11/15/11	WG	Oxidation Reduction Potential	110.7	mV	CASA-12-1396
R-43	969.1	08/16/11	WG	Oxidation Reduction Potential	25.5	mV	CASA-11-24755
R-43	969.1	08/16/11	WG	Oxidation Reduction Potential	25.5	mV	CASA-11-24787
R-43	969.1	08/16/11	WG	Oxidation Reduction Potential	−11	mV	CASA-11-24753

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43	969.1	08/16/11	WG	Oxidation Reduction Potential	−115.5	mV	CASA-11-24751
R-43	969.1	05/18/11	WG	Oxidation Reduction Potential	102.8	mV	CASA-11-10820
R-43	969.1	11/15/11	WG	pH	8.86	SU	CASA-12-1396
R-43	969.1	08/16/11	WG	pH	8.82	SU	CASA-11-24755
R-43	969.1	08/16/11	WG	pH	8.82	SU	CASA-11-24787
R-43	969.1	08/16/11	WG	pH	8.9	SU	CASA-11-24753
R-43	969.1	08/16/11	WG	pH	9.12	SU	CASA-11-24751
R-43	969.1	05/18/11	WG	pH	8.8	SU	CASA-11-10820
R-43	969.1	11/15/11	WG	Specific Conductance	188	µS/cm	CASA-12-1396
R-43	969.1	08/16/11	WG	Specific Conductance	190	µS/cm	CASA-11-24787
R-43	969.1	08/16/11	WG	Specific Conductance	190	µS/cm	CASA-11-24755
R-43	969.1	08/16/11	WG	Specific Conductance	192	µS/cm	CASA-11-24753
R-43	969.1	08/16/11	WG	Specific Conductance	183	µS/cm	CASA-11-24751
R-43	969.1	05/18/11	WG	Specific Conductance	189	µS/cm	CASA-11-10820
R-43	969.1	11/15/11	WG	Temperature	19.56	deg C	CASA-12-1396
R-43	969.1	08/16/11	WG	Temperature	19.98	deg C	CASA-11-24787
R-43	969.1	08/16/11	WG	Temperature	19.98	deg C	CASA-11-24755
R-43	969.1	08/16/11	WG	Temperature	19.87	deg C	CASA-11-24753
R-43	969.1	08/16/11	WG	Temperature	17.45	deg C	CASA-11-24751
R-43	969.1	05/18/11	WG	Temperature	20.08	deg C	CASA-11-10820
R-43	969.1	11/15/11	WG	Turbidity	0.44	NTU	CASA-12-1396
R-43	969.1	08/16/11	WG	Turbidity	0.39	NTU	CASA-11-24755
R-43	969.1	08/16/11	WG	Turbidity	0.39	NTU	CASA-11-24787
R-43	969.1	08/16/11	WG	Turbidity	0.32	NTU	CASA-11-24753
R-43	969.1	08/16/11	WG	Turbidity	0.51	NTU	CASA-11-24751
R-43	969.1	05/18/11	WG	Turbidity	0.35	NTU	CASA-11-10820
R-44	895	11/17/11	WG	Dissolved Oxygen	5.23	mg/L	CAMO-12-1500
R-44	895	08/05/11	WG	Dissolved Oxygen	5.56	mg/L	CAMO-11-24645

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44	895	05/19/11	WG	Dissolved Oxygen	5.33	mg/L	CAMO-11-10706
R-44	895	02/25/11	WG	Dissolved Oxygen	5.74	mg/L	CAMO-11-4603
R-44	895	11/18/10	WG	Dissolved Oxygen	3.87	mg/L	CAMO-11-1276
R-44	895	11/17/11	WG	Oxidation Reduction Potential	226.6	mV	CAMO-12-1500
R-44	895	08/05/11	WG	Oxidation Reduction Potential	103.8	mV	CAMO-11-24645
R-44	895	05/19/11	WG	Oxidation Reduction Potential	151	mV	CAMO-11-10706
R-44	895	02/25/11	WG	Oxidation Reduction Potential	94.8	mV	CAMO-11-4603
R-44	895	11/18/10	WG	Oxidation Reduction Potential	259	mV	CAMO-11-1276
R-44	895	11/17/11	WG	pH	7.95	SU	CAMO-12-1500
R-44	895	08/05/11	WG	pH	7.84	SU	CAMO-11-24645
R-44	895	05/19/11	WG	pH	7.8	SU	CAMO-11-10706
R-44	895	02/25/11	WG	pH	7.88	SU	CAMO-11-4603
R-44	895	11/18/10	WG	pH	7.67	SU	CAMO-11-1276
R-44	895	11/17/11	WG	Specific Conductance	137	µS/cm	CAMO-12-1500
R-44	895	08/05/11	WG	Specific Conductance	133	µS/cm	CAMO-11-24645
R-44	895	05/19/11	WG	Specific Conductance	133	µS/cm	CAMO-11-10706
R-44	895	02/25/11	WG	Specific Conductance	130	µS/cm	CAMO-11-4603
R-44	895	11/18/10	WG	Specific Conductance	130	µS/cm	CAMO-11-1276
R-44	895	11/17/11	WG	Temperature	18.57	deg C	CAMO-12-1500
R-44	895	08/05/11	WG	Temperature	21.3	deg C	CAMO-11-24645
R-44	895	05/19/11	WG	Temperature	20.16	deg C	CAMO-11-10706
R-44	895	02/25/11	WG	Temperature	20.18	deg C	CAMO-11-4603
R-44	895	11/18/10	WG	Temperature	20.5	deg C	CAMO-11-1276
R-44	895	11/17/11	WG	Turbidity	0.42	NTU	CAMO-12-1500
R-44	895	08/05/11	WG	Turbidity	0.58	NTU	CAMO-11-24645
R-44	895	05/19/11	WG	Turbidity	0.45	NTU	CAMO-11-10706
R-44	895	02/25/11	WG	Turbidity	0	NTU	CAMO-11-4603
R-44	895	11/18/10	WG	Turbidity	0.67	NTU	CAMO-11-1276

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44	985.3	11/17/11	WG	Dissolved Oxygen	7.2	mg/L	CAMO-12-1502
R-44	985.3	08/05/11	WG	Dissolved Oxygen	7.16	mg/L	CAMO-11-24648
R-44	985.3	08/05/11	WG	Dissolved Oxygen	7.16	mg/L	CAMO-11-24530
R-44	985.3	08/05/11	WG	Dissolved Oxygen	6.99	mg/L	CAMO-11-24528
R-44	985.3	08/05/11	WG	Dissolved Oxygen	6.87	mg/L	CAMO-11-24526
R-44	985.3	11/17/11	WG	Oxidation Reduction Potential	240.2	mV	CAMO-12-1502
R-44	985.3	08/05/11	WG	Oxidation Reduction Potential	95.1	mV	CAMO-11-24648
R-44	985.3	08/05/11	WG	Oxidation Reduction Potential	95.1	mV	CAMO-11-24530
R-44	985.3	08/05/11	WG	Oxidation Reduction Potential	86.6	mV	CAMO-11-24528
R-44	985.3	08/05/11	WG	Oxidation Reduction Potential	49.3	mV	CAMO-11-24526
R-44	985.3	11/17/11	WG	pH	7.86	SU	CAMO-12-1502
R-44	985.3	08/05/11	WG	pH	7.93	SU	CAMO-11-24648
R-44	985.3	08/05/11	WG	pH	7.93	SU	CAMO-11-24530
R-44	985.3	08/05/11	WG	pH	7.93	SU	CAMO-11-24528
R-44	985.3	08/05/11	WG	pH	7.92	SU	CAMO-11-24526
R-44	985.3	11/17/11	WG	Specific Conductance	151	µS/cm	CAMO-12-1502
R-44	985.3	08/05/11	WG	Specific Conductance	146	µS/cm	CAMO-11-24648
R-44	985.3	08/05/11	WG	Specific Conductance	146	µS/cm	CAMO-11-24530
R-44	985.3	08/05/11	WG	Specific Conductance	148	µS/cm	CAMO-11-24528
R-44	985.3	08/05/11	WG	Specific Conductance	150	µS/cm	CAMO-11-24526
R-44	985.3	11/17/11	WG	Temperature	20.72	deg C	CAMO-12-1502
R-44	985.3	08/05/11	WG	Temperature	21.38	deg C	CAMO-11-24648
R-44	985.3	08/05/11	WG	Temperature	21.38	deg C	CAMO-11-24530
R-44	985.3	08/05/11	WG	Temperature	21.48	deg C	CAMO-11-24528
R-44	985.3	08/05/11	WG	Temperature	20.53	deg C	CAMO-11-24526
R-44	985.3	11/17/11	WG	Turbidity	0.29	NTU	CAMO-12-1502
R-44	985.3	08/05/11	WG	Turbidity	0.26	NTU	CAMO-11-24648
R-44	985.3	08/05/11	WG	Turbidity	0.26	NTU	CAMO-11-24530

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44	985.3	08/05/11	WG	Turbidity	0.39	NTU	CAMO-11-24528
R-44	985.3	08/05/11	WG	Turbidity	0.33	NTU	CAMO-11-24526
R-45	880	11/16/11	WG	Dissolved Oxygen	7.25	mg/L	CAMO-12-1494
R-45	880	08/01/11	WG	Dissolved Oxygen	7.08	mg/L	CAMO-11-24642
R-45	880	05/20/11	WG	Dissolved Oxygen	7.2	mg/L	CAMO-11-10711
R-45	880	02/10/11	WG	Dissolved Oxygen	7.29	mg/L	CAMO-11-4607
R-45	880	11/19/10	WG	Dissolved Oxygen	5.36	mg/L	CAMO-11-1279
R-45	880	11/16/11	WG	Oxidation Reduction Potential	129.2	mV	CAMO-12-1494
R-45	880	08/01/11	WG	Oxidation Reduction Potential	119.5	mV	CAMO-11-24642
R-45	880	05/20/11	WG	Oxidation Reduction Potential	89.7	mV	CAMO-11-10711
R-45	880	02/10/11	WG	Oxidation Reduction Potential	73.5	mV	CAMO-11-4607
R-45	880	11/19/10	WG	Oxidation Reduction Potential	206.9	mV	CAMO-11-1279
R-45	880	11/16/11	WG	pH	7.88	SU	CAMO-12-1494
R-45	880	08/01/11	WG	pH	7.81	SU	CAMO-11-24642
R-45	880	05/20/11	WG	pH	7.89	SU	CAMO-11-10711
R-45	880	02/10/11	WG	pH	7.83	SU	CAMO-11-4607
R-45	880	11/19/10	WG	pH	7.66	SU	CAMO-11-1279
R-45	880	11/16/11	WG	Specific Conductance	177	µS/cm	CAMO-12-1494
R-45	880	08/01/11	WG	Specific Conductance	178	µS/cm	CAMO-11-24642
R-45	880	05/20/11	WG	Specific Conductance	175	µS/cm	CAMO-11-10711
R-45	880	02/10/11	WG	Specific Conductance	179	µS/cm	CAMO-11-4607
R-45	880	11/19/10	WG	Specific Conductance	174	µS/cm	CAMO-11-1279
R-45	880	11/16/11	WG	Temperature	20.39	deg C	CAMO-12-1494
R-45	880	08/01/11	WG	Temperature	21.48	deg C	CAMO-11-24642
R-45	880	05/20/11	WG	Temperature	20.2	deg C	CAMO-11-10711
R-45	880	02/10/11	WG	Temperature	20.07	deg C	CAMO-11-4607
R-45	880	11/19/10	WG	Temperature	18.95	deg C	CAMO-11-1279
R-45	880	11/16/11	WG	Turbidity	0.39	NTU	CAMO-12-1494

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45	880	08/01/11	WG	Turbidity	0.25	NTU	CAMO-11-24642
R-45	880	05/20/11	WG	Turbidity	0.14	NTU	CAMO-11-10711
R-45	880	02/10/11	WG	Turbidity	0.23	NTU	CAMO-11-4607
R-45	880	11/19/10	WG	Turbidity	0.49	NTU	CAMO-11-1279
R-45	974.9	11/16/11	WG	Dissolved Oxygen	6.52	mg/L	CAMO-12-1497
R-45	974.9	08/01/11	WG	Dissolved Oxygen	6.55	mg/L	CAMO-11-24644
R-45	974.9	05/20/11	WG	Dissolved Oxygen	6.61	mg/L	CAMO-11-10713
R-45	974.9	02/11/11	WG	Dissolved Oxygen	6.26	mg/L	CAMO-11-4609
R-45	974.9	11/19/10	WG	Dissolved Oxygen	5.36	mg/L	CAMO-11-1282
R-45	974.9	11/16/11	WG	Oxidation Reduction Potential	123.4	mV	CAMO-12-1497
R-45	974.9	08/01/11	WG	Oxidation Reduction Potential	131.5	mV	CAMO-11-24644
R-45	974.9	05/20/11	WG	Oxidation Reduction Potential	100.9	mV	CAMO-11-10713
R-45	974.9	02/11/11	WG	Oxidation Reduction Potential	88.5	mV	CAMO-11-4609
R-45	974.9	11/19/10	WG	Oxidation Reduction Potential	185.2	mV	CAMO-11-1282
R-45	974.9	11/16/11	WG	pH	8.19	SU	CAMO-12-1497
R-45	974.9	08/01/11	WG	pH	8.08	SU	CAMO-11-24644
R-45	974.9	05/20/11	WG	pH	8.15	SU	CAMO-11-10713
R-45	974.9	02/11/11	WG	pH	8.19	SU	CAMO-11-4609
R-45	974.9	11/19/10	WG	pH	8.04	SU	CAMO-11-1282
R-45	974.9	11/16/11	WG	Specific Conductance	170	µS/cm	CAMO-12-1497
R-45	974.9	08/01/11	WG	Specific Conductance	173	µS/cm	CAMO-11-24644
R-45	974.9	05/20/11	WG	Specific Conductance	168	µS/cm	CAMO-11-10713
R-45	974.9	02/11/11	WG	Specific Conductance	170	µS/cm	CAMO-11-4609
R-45	974.9	11/19/10	WG	Specific Conductance	170	µS/cm	CAMO-11-1282
R-45	974.9	11/16/11	WG	Temperature	20.67	deg C	CAMO-12-1497
R-45	974.9	08/01/11	WG	Temperature	21.56	deg C	CAMO-11-24644
R-45	974.9	05/20/11	WG	Temperature	21.06	deg C	CAMO-11-10713
R-45	974.9	02/11/11	WG	Temperature	20.61	deg C	CAMO-11-4609

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-45	974.9	11/19/10	WG	Temperature	19.78	deg C	CAMO-11-1282
R-45	974.9	11/16/11	WG	Turbidity	0.29	NTU	CAMO-12-1497
R-45	974.9	08/01/11	WG	Turbidity	0.16	NTU	CAMO-11-24644
R-45	974.9	05/20/11	WG	Turbidity	0.34	NTU	CAMO-11-10713
R-45	974.9	02/11/11	WG	Turbidity	0.29	NTU	CAMO-11-4609
R-45	974.9	11/19/10	WG	Turbidity	0.62	NTU	CAMO-11-1282
R-50	1077	11/18/11	WG	Dissolved Oxygen	5.23	mg/L	CAMO-12-1505
R-50	1077	08/04/11	WG	Dissolved Oxygen	5.13	mg/L	CAMO-11-24536
R-50	1077	08/04/11	WG	Dissolved Oxygen	5.13	mg/L	CAMO-11-24673
R-50	1077	08/04/11	WG	Dissolved Oxygen	4.69	mg/L	CAMO-11-24534
R-50	1077	08/04/11	WG	Dissolved Oxygen	4.3	mg/L	CAMO-11-24532
R-50	1077	05/25/11	WG	Dissolved Oxygen	5.02	mg/L	CAMO-11-10720
R-50	1077	11/18/11	WG	Oxidation Reduction Potential	107.9	mV	CAMO-12-1505
R-50	1077	08/04/11	WG	Oxidation Reduction Potential	−0.9	mV	CAMO-11-24673
R-50	1077	08/04/11	WG	Oxidation Reduction Potential	−0.9	mV	CAMO-11-24536
R-50	1077	08/04/11	WG	Oxidation Reduction Potential	−14.4	mV	CAMO-11-24534
R-50	1077	08/04/11	WG	Oxidation Reduction Potential	−39.9	mV	CAMO-11-24532
R-50	1077	05/25/11	WG	Oxidation Reduction Potential	221.1	mV	CAMO-11-10720
R-50	1077	11/18/11	WG	pH	7.93	SU	CAMO-12-1505
R-50	1077	08/04/11	WG	pH	7.89	SU	CAMO-11-24673
R-50	1077	08/04/11	WG	pH	7.89	SU	CAMO-11-24536
R-50	1077	08/04/11	WG	pH	7.93	SU	CAMO-11-24534
R-50	1077	08/04/11	WG	pH	8.04	SU	CAMO-11-24532
R-50	1077	11/18/11	WG	Specific Conductance	176	µS/cm	CAMO-12-1505
R-50	1077	08/04/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24536
R-50	1077	08/04/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24673
R-50	1077	08/04/11	WG	Specific Conductance	186	µS/cm	CAMO-11-24534
R-50	1077	08/04/11	WG	Specific Conductance	191	µS/cm	CAMO-11-24532

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50	1077	11/18/11	WG	Temperature	20.61	deg C	CAMO-12-1505
R-50	1077	08/04/11	WG	Temperature	20.91	deg C	CAMO-11-24536
R-50	1077	08/04/11	WG	Temperature	20.91	deg C	CAMO-11-24673
R-50	1077	08/04/11	WG	Temperature	20.68	deg C	CAMO-11-24534
R-50	1077	08/04/11	WG	Temperature	20.13	deg C	CAMO-11-24532
R-50	1077	05/25/11	WG	Temperature	21.36	deg C	CAMO-11-10720
R-50	1077	11/18/11	WG	Turbidity	2.57	NTU	CAMO-12-1505
R-50	1077	08/04/11	WG	Turbidity	1.69	NTU	CAMO-11-24536
R-50	1077	08/04/11	WG	Turbidity	1.69	NTU	CAMO-11-24673
R-50	1077	08/04/11	WG	Turbidity	2.18	NTU	CAMO-11-24534
R-50	1077	08/04/11	WG	Turbidity	1.41	NTU	CAMO-11-24532
R-50	1077	05/25/11	WG	Turbidity	1.52	NTU	CAMO-11-10720
R-50	1185	11/28/11	WG	Dissolved Oxygen	6.57	mg/L	CAMO-12-1809
R-50	1185	11/21/11	WG	Dissolved Oxygen	5.39	mg/L	CAMO-12-1509
R-50	1185	08/08/11	WG	Dissolved Oxygen	6.83	mg/L	CAMO-11-24542
R-50	1185	08/08/11	WG	Dissolved Oxygen	6.83	mg/L	CAMO-11-24679
R-50	1185	08/08/11	WG	Dissolved Oxygen	6.85	mg/L	CAMO-11-24540
R-50	1185	08/08/11	WG	Dissolved Oxygen	7.12	mg/L	CAMO-11-24538
R-50	1185	05/24/11	WG	Dissolved Oxygen	6.27	mg/L	CAMO-11-11484
R-50	1185	11/28/11	WG	Oxidation Reduction Potential	133.9	mV	CAMO-12-1809
R-50	1185	11/21/11	WG	Oxidation Reduction Potential	178.2	mV	CAMO-12-1509
R-50	1185	08/08/11	WG	Oxidation Reduction Potential	133.5	mV	CAMO-11-24679
R-50	1185	08/08/11	WG	Oxidation Reduction Potential	133.5	mV	CAMO-11-24542
R-50	1185	08/08/11	WG	Oxidation Reduction Potential	119.6	mV	CAMO-11-24540
R-50	1185	08/08/11	WG	Oxidation Reduction Potential	91.6	mV	CAMO-11-24538
R-50	1185	05/24/11	WG	Oxidation Reduction Potential	129.3	mV	CAMO-11-11484
R-50	1185	11/28/11	WG	pH	8.19	SU	CAMO-12-1809
R-50	1185	11/21/11	WG	pH	7.91	SU	CAMO-12-1509

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50	1185	08/08/11	WG	pH	8.15	SU	CAMO-11-24542
R-50	1185	08/08/11	WG	pH	8.15	SU	CAMO-11-24679
R-50	1185	08/08/11	WG	pH	8.17	SU	CAMO-11-24540
R-50	1185	08/08/11	WG	pH	8.14	SU	CAMO-11-24538
R-50	1185	05/24/11	WG	pH	8.09	SU	CAMO-11-11484
R-50	1185	11/28/11	WG	Specific Conductance	115	µS/cm	CAMO-12-1809
R-50	1185	11/21/11	WG	Specific Conductance	166	µS/cm	CAMO-12-1509
R-50	1185	08/08/11	WG	Specific Conductance	132	µS/cm	CAMO-11-24542
R-50	1185	08/08/11	WG	Specific Conductance	132	µS/cm	CAMO-11-24679
R-50	1185	08/08/11	WG	Specific Conductance	136	µS/cm	CAMO-11-24540
R-50	1185	08/08/11	WG	Specific Conductance	129	µS/cm	CAMO-11-24538
R-50	1185	05/24/11	WG	Specific Conductance	127	µS/cm	CAMO-11-11484
R-50	1185	11/28/11	WG	Temperature	20.86	deg C	CAMO-12-1809
R-50	1185	11/21/11	WG	Temperature	20.75	deg C	CAMO-12-1509
R-50	1185	08/08/11	WG	Temperature	21.96	deg C	CAMO-11-24542
R-50	1185	08/08/11	WG	Temperature	21.96	deg C	CAMO-11-24679
R-50	1185	08/08/11	WG	Temperature	21.73	deg C	CAMO-11-24540
R-50	1185	08/08/11	WG	Temperature	21.46	deg C	CAMO-11-24538
R-50	1185	05/24/11	WG	Temperature	21.2	deg C	CAMO-11-11484
R-50	1185	11/28/11	WG	Turbidity	0.81	NTU	CAMO-12-1809
R-50	1185	11/21/11	WG	Turbidity	0.86	NTU	CAMO-12-1509
R-50	1185	08/08/11	WG	Turbidity	0.95	NTU	CAMO-11-24542
R-50	1185	08/08/11	WG	Turbidity	0.95	NTU	CAMO-11-24679
R-50	1185	08/08/11	WG	Turbidity	0.45	NTU	CAMO-11-24540
R-50	1185	08/08/11	WG	Turbidity	0.96	NTU	CAMO-11-24538
R-50	1185	05/24/11	WG	Turbidity	1.24	NTU	CAMO-11-11484
R-61	1125	11/21/11	WG	Dissolved Oxygen	2.11	mg/L	CAMO-12-1511
R-61	1125	11/21/11	WG	Dissolved Oxygen	2.11	mg/L	CAMO-12-1433

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61	1125	11/21/11	WG	Dissolved Oxygen	1.06	mg/L	CAMO-12-1431
R-61	1125	11/21/11	WG	Dissolved Oxygen	0.49	mg/L	CAMO-12-1429
R-61	1125	11/15/11	WG	Dissolved Oxygen	3.03	mg/L	CAMO-12-1425
R-61	1125	11/15/11	WG	Dissolved Oxygen	2.4	mg/L	CAMO-12-1423
R-61	1125	11/15/11	WG	Dissolved Oxygen	1.42	mg/L	CAMO-12-1421
R-61	1125	11/15/11	WG	Dissolved Oxygen	0.79	mg/L	CAMO-12-1419
R-61	1125	08/18/11	WG	Dissolved Oxygen	2.01	mg/L	CAMO-11-24698
R-61	1125	05/20/11	WG	Dissolved Oxygen	5.52	mg/L	CAMO-11-13847
R-61	1125	05/20/11	WG	Dissolved Oxygen	5.85	mg/L	CAMO-11-10852
R-61	1125	11/21/11	WG	Oxidation Reduction Potential	−72.3	mV	CAMO-12-1511
R-61	1125	11/21/11	WG	Oxidation Reduction Potential	−72.3	mV	CAMO-12-1433
R-61	1125	11/21/11	WG	Oxidation Reduction Potential	−83.9	mV	CAMO-12-1431
R-61	1125	11/21/11	WG	Oxidation Reduction Potential	−89.5	mV	CAMO-12-1429
R-61	1125	11/15/11	WG	Oxidation Reduction Potential	−76.1	mV	CAMO-12-1425
R-61	1125	11/15/11	WG	Oxidation Reduction Potential	−85.5	mV	CAMO-12-1423
R-61	1125	11/15/11	WG	Oxidation Reduction Potential	−85.4	mV	CAMO-12-1421
R-61	1125	11/15/11	WG	Oxidation Reduction Potential	−96.5	mV	CAMO-12-1419
R-61	1125	08/18/11	WG	Oxidation Reduction Potential	−99.2	mV	CAMO-11-24698
R-61	1125	05/20/11	WG	Oxidation Reduction Potential	311.2	mV	CAMO-11-10852
R-61	1125	05/20/11	WG	Oxidation Reduction Potential	135.7	mV	CAMO-11-13847
R-61	1125	11/21/11	WG	pH	7.23	SU	CAMO-12-1511
R-61	1125	11/21/11	WG	pH	7.23	SU	CAMO-12-1433
R-61	1125	11/21/11	WG	pH	7.2	SU	CAMO-12-1431
R-61	1125	11/21/11	WG	pH	7.23	SU	CAMO-12-1429
R-61	1125	11/15/11	WG	pH	7.11	SU	CAMO-12-1425
R-61	1125	11/15/11	WG	pH	7.01	SU	CAMO-12-1423
R-61	1125	11/15/11	WG	pH	6.91	SU	CAMO-12-1421
R-61	1125	11/15/11	WG	pH	6.89	SU	CAMO-12-1419

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61	1125	08/18/11	WG	pH	7.16	SU	CAMO-11-24698
R-61	1125	05/20/11	WG	pH	7.47	SU	CAMO-11-10852
R-61	1125	05/20/11	WG	pH	7.74	SU	CAMO-11-13847
R-61	1125	11/21/11	WG	Specific Conductance	143	µS/cm	CAMO-12-1511
R-61	1125	11/21/11	WG	Specific Conductance	143	µS/cm	CAMO-12-1433
R-61	1125	11/21/11	WG	Specific Conductance	172	µS/cm	CAMO-12-1431
R-61	1125	11/21/11	WG	Specific Conductance	177	µS/cm	CAMO-12-1429
R-61	1125	11/15/11	WG	Specific Conductance	186	µS/cm	CAMO-12-1425
R-61	1125	11/15/11	WG	Specific Conductance	194	µS/cm	CAMO-12-1423
R-61	1125	11/15/11	WG	Specific Conductance	199	µS/cm	CAMO-12-1421
R-61	1125	11/15/11	WG	Specific Conductance	203	µS/cm	CAMO-12-1419
R-61	1125	08/18/11	WG	Specific Conductance	197	µS/cm	CAMO-11-24698
R-61	1125	05/20/11	WG	Specific Conductance	169	µS/cm	CAMO-11-10852
R-61	1125	11/21/11	WG	Temperature	19.9	deg C	CAMO-12-1511
R-61	1125	11/21/11	WG	Temperature	19.9	deg C	CAMO-12-1433
R-61	1125	11/21/11	WG	Temperature	20.08	deg C	CAMO-12-1431
R-61	1125	11/21/11	WG	Temperature	17.83	deg C	CAMO-12-1429
R-61	1125	11/15/11	WG	Temperature	16.94	deg C	CAMO-12-1425
R-61	1125	11/15/11	WG	Temperature	16.96	deg C	CAMO-12-1423
R-61	1125	11/15/11	WG	Temperature	14.98	deg C	CAMO-12-1421
R-61	1125	11/15/11	WG	Temperature	14.4	deg C	CAMO-12-1419
R-61	1125	08/18/11	WG	Temperature	21.61	deg C	CAMO-11-24698
R-61	1125	05/20/11	WG	Temperature	19.25	deg C	CAMO-11-10852
R-61	1125	05/20/11	WG	Temperature	19.65	deg C	CAMO-11-13847
R-61	1125	11/21/11	WG	Turbidity	1.74	NTU	CAMO-12-1511
R-61	1125	11/21/11	WG	Turbidity	1.74	NTU	CAMO-12-1433
R-61	1125	11/21/11	WG	Turbidity	1.67	NTU	CAMO-12-1431
R-61	1125	11/21/11	WG	Turbidity	2.75	NTU	CAMO-12-1429

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61	1125	11/15/11	WG	Turbidity	2.26	NTU	CAMO-12-1425
R-61	1125	11/15/11	WG	Turbidity	3.41	NTU	CAMO-12-1423
R-61	1125	11/15/11	WG	Turbidity	3.78	NTU	CAMO-12-1421
R-61	1125	11/15/11	WG	Turbidity	2.3	NTU	CAMO-12-1419
R-61	1125	08/18/11	WG	Turbidity	1.68	NTU	CAMO-11-24698
R-61	1125	05/20/11	WG	Turbidity	0	NTU	CAMO-11-13847
R-61	1125	05/20/11	WG	Turbidity	7.45	NTU	CAMO-11-10852
R-61	1220.4	11/18/11	WG	Dissolved Oxygen	1.76	mg/L	CAMO-12-1449
R-61	1220.4	11/18/11	WG	Dissolved Oxygen	1.76	mg/L	CAMO-12-1516
R-61	1220.4	11/18/11	WG	Dissolved Oxygen	1.48	mg/L	CAMO-12-1447
R-61	1220.4	11/18/11	WG	Dissolved Oxygen	1.17	mg/L	CAMO-12-1445
R-61	1220.4	11/18/11	WG	Dissolved Oxygen	0.3	mg/L	CAMO-12-1443
R-61	1220.4	11/14/11	WG	Dissolved Oxygen	1.43	mg/L	CAMO-12-1441
R-61	1220.4	11/14/11	WG	Dissolved Oxygen	0.71	mg/L	CAMO-12-1439
R-61	1220.4	11/14/11	WG	Dissolved Oxygen	0.47	mg/L	CAMO-12-1437
R-61	1220.4	11/14/11	WG	Dissolved Oxygen	0.26	mg/L	CAMO-12-1435
R-61	1220.4	08/19/11	WG	Dissolved Oxygen	0.8	mg/L	CAMO-11-24703
R-61	1220.4	05/24/11	WG	Dissolved Oxygen	7.72	mg/L	CAMO-11-11689
R-61	1220.4	05/24/11	WG	Dissolved Oxygen	7.66	mg/L	CAMO-11-13848
R-61	1220.4	11/18/11	WG	Oxidation Reduction Potential	−80.3	mV	CAMO-12-1449
R-61	1220.4	11/18/11	WG	Oxidation Reduction Potential	−80.3	mV	CAMO-12-1516
R-61	1220.4	11/18/11	WG	Oxidation Reduction Potential	−82.3	mV	CAMO-12-1447
R-61	1220.4	11/18/11	WG	Oxidation Reduction Potential	−83.3	mV	CAMO-12-1445
R-61	1220.4	11/18/11	WG	Oxidation Reduction Potential	−104.8	mV	CAMO-12-1443
R-61	1220.4	11/14/11	WG	Oxidation Reduction Potential	−86.7	mV	CAMO-12-1441
R-61	1220.4	11/14/11	WG	Oxidation Reduction Potential	−97.2	mV	CAMO-12-1439
R-61	1220.4	11/14/11	WG	Oxidation Reduction Potential	−100.6	mV	CAMO-12-1437
R-61	1220.4	11/14/11	WG	Oxidation Reduction Potential	−115.6	mV	CAMO-12-1435

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61	1220.4	08/19/11	WG	Oxidation Reduction Potential	−108.9	mV	CAMO-11-24703
R-61	1220.4	05/24/11	WG	Oxidation Reduction Potential	177.7	mV	CAMO-11-11689
R-61	1220.4	05/24/11	WG	Oxidation Reduction Potential	130.5	mV	CAMO-11-13848
R-61	1220.4	11/18/11	WG	pH	7.02	SU	CAMO-12-1449
R-61	1220.4	11/18/11	WG	pH	7.02	SU	CAMO-12-1516
R-61	1220.4	11/18/11	WG	pH	6.96	SU	CAMO-12-1447
R-61	1220.4	11/18/11	WG	pH	6.95	SU	CAMO-12-1445
R-61	1220.4	11/18/11	WG	pH	6.95	SU	CAMO-12-1443
R-61	1220.4	11/14/11	WG	pH	6.88	SU	CAMO-12-1441
R-61	1220.4	11/14/11	WG	pH	6.85	SU	CAMO-12-1439
R-61	1220.4	11/14/11	WG	pH	6.84	SU	CAMO-12-1437
R-61	1220.4	11/14/11	WG	pH	6.84	SU	CAMO-12-1435
R-61	1220.4	08/19/11	WG	pH	7.02	SU	CAMO-11-24703
R-61	1220.4	05/24/11	WG	pH	7.67	SU	CAMO-11-11689
R-61	1220.4	05/24/11	WG	pH	8.19	SU	CAMO-11-13848
R-61	1220.4	11/18/11	WG	Specific Conductance	141	µS/cm	CAMO-12-1516
R-61	1220.4	11/18/11	WG	Specific Conductance	141	µS/cm	CAMO-12-1449
R-61	1220.4	11/18/11	WG	Specific Conductance	136	µS/cm	CAMO-12-1447
R-61	1220.4	11/18/11	WG	Specific Conductance	149	µS/cm	CAMO-12-1445
R-61	1220.4	11/18/11	WG	Specific Conductance	170	µS/cm	CAMO-12-1443
R-61	1220.4	11/14/11	WG	Specific Conductance	156	µS/cm	CAMO-12-1441
R-61	1220.4	11/14/11	WG	Specific Conductance	197	µS/cm	CAMO-12-1439
R-61	1220.4	11/14/11	WG	Specific Conductance	213	µS/cm	CAMO-12-1437
R-61	1220.4	11/14/11	WG	Specific Conductance	257	µS/cm	CAMO-12-1435
R-61	1220.4	08/19/11	WG	Specific Conductance	21.41	µS/cm	CAMO-11-24703
R-61	1220.4	05/24/11	WG	Specific Conductance	149	µS/cm	CAMO-11-11689
R-61	1220.4	11/18/11	WG	Temperature	20.26	deg C	CAMO-12-1449
R-61	1220.4	11/18/11	WG	Temperature	20.26	deg C	CAMO-12-1516

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-61	1220.4	11/18/11	WG	Temperature	20.33	deg C	CAMO-12-1447
R-61	1220.4	11/18/11	WG	Temperature	19.5	deg C	CAMO-12-1445
R-61	1220.4	11/18/11	WG	Temperature	19.53	deg C	CAMO-12-1443
R-61	1220.4	11/14/11	WG	Temperature	18.67	deg C	CAMO-12-1441
R-61	1220.4	11/14/11	WG	Temperature	18.59	deg C	CAMO-12-1439
R-61	1220.4	11/14/11	WG	Temperature	18.68	deg C	CAMO-12-1437
R-61	1220.4	11/14/11	WG	Temperature	18.57	deg C	CAMO-12-1435
R-61	1220.4	08/19/11	WG	Temperature	21.41	deg C	CAMO-11-24703
R-61	1220.4	05/24/11	WG	Temperature	18.31	deg C	CAMO-11-11689
R-61	1220.4	05/24/11	WG	Temperature	16.55	deg C	CAMO-11-13848
R-61	1220.4	11/18/11	WG	Turbidity	0.89	NTU	CAMO-12-1449
R-61	1220.4	11/18/11	WG	Turbidity	0.89	NTU	CAMO-12-1516
R-61	1220.4	11/18/11	WG	Turbidity	1.27	NTU	CAMO-12-1447
R-61	1220.4	11/18/11	WG	Turbidity	1.45	NTU	CAMO-12-1445
R-61	1220.4	11/18/11	WG	Turbidity	2.43	NTU	CAMO-12-1443
R-61	1220.4	11/14/11	WG	Turbidity	1.11	NTU	CAMO-12-1441
R-61	1220.4	11/14/11	WG	Turbidity	1.43	NTU	CAMO-12-1439
R-61	1220.4	11/14/11	WG	Turbidity	2	NTU	CAMO-12-1437
R-61	1220.4	11/14/11	WG	Turbidity	2.51	NTU	CAMO-12-1435
R-61	1220.4	08/19/11	WG	Turbidity	1.63	NTU	CAMO-11-24703
R-61	1220.4	05/24/11	WG	Turbidity	1.8	NTU	CAMO-11-11689
SCI-1	358.4	11/16/11	WG	Dissolved Oxygen	8.96	mg/L	CASA-12-1373
SCI-1	358.4	08/16/11	WG	Dissolved Oxygen	8.94	mg/L	CASA-11-24843
SCI-1	358.4	08/16/11	WG	Dissolved Oxygen	8.89	mg/L	CASA-11-24841
SCI-1	358.4	08/16/11	WG	Dissolved Oxygen	8.78	mg/L	CASA-11-24764
SCI-1	358.4	08/16/11	WG	Dissolved Oxygen	8.78	mg/L	CASA-11-24834
SCI-1	358.4	05/24/11	WG	Dissolved Oxygen	8.78	mg/L	CASA-11-10805
SCI-1	358.4	11/16/11	WG	Oxidation Reduction Potential	229.8	mV	CASA-12-1373

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-1	358.4	08/16/11	WG	Oxidation Reduction Potential	102.6	mV	CASA-11-24843
SCI-1	358.4	08/16/11	WG	Oxidation Reduction Potential	113.1	mV	CASA-11-24841
SCI-1	358.4	08/16/11	WG	Oxidation Reduction Potential	149.3	mV	CASA-11-24834
SCI-1	358.4	08/16/11	WG	Oxidation Reduction Potential	149.3	mV	CASA-11-24764
SCI-1	358.4	05/24/11	WG	Oxidation Reduction Potential	225	mV	CASA-11-10805
SCI-1	358.4	11/16/11	WG	pH	7.13	SU	CASA-12-1373
SCI-1	358.4	08/16/11	WG	pH	7.18	SU	CASA-11-24843
SCI-1	358.4	08/16/11	WG	pH	7.19	SU	CASA-11-24841
SCI-1	358.4	08/16/11	WG	pH	7.11	SU	CASA-11-24764
SCI-1	358.4	08/16/11	WG	pH	7.11	SU	CASA-11-24834
SCI-1	358.4	05/24/11	WG	pH	7.1	SU	CASA-11-10805
SCI-1	358.4	11/16/11	WG	Specific Conductance	712	µS/cm	CASA-12-1373
SCI-1	358.4	08/16/11	WG	Specific Conductance	752	µS/cm	CASA-11-24843
SCI-1	358.4	08/16/11	WG	Specific Conductance	754	µS/cm	CASA-11-24841
SCI-1	358.4	08/16/11	WG	Specific Conductance	750	µS/cm	CASA-11-24764
SCI-1	358.4	08/16/11	WG	Specific Conductance	750	µS/cm	CASA-11-24834
SCI-1	358.4	05/24/11	WG	Specific Conductance	705	µS/cm	CASA-11-10805
SCI-1	358.4	11/16/11	WG	Temperature	9.71	deg C	CASA-12-1373
SCI-1	358.4	08/16/11	WG	Temperature	11.1	deg C	CASA-11-24843
SCI-1	358.4	08/16/11	WG	Temperature	11.43	deg C	CASA-11-24841
SCI-1	358.4	08/16/11	WG	Temperature	10.85	deg C	CASA-11-24834
SCI-1	358.4	08/16/11	WG	Temperature	10.95	deg C	CASA-11-24764
SCI-1	358.4	05/24/11	WG	Temperature	10.23	deg C	CASA-11-10805
SCI-1	358.4	11/16/11	WG	Turbidity	9.88	NTU	CASA-12-1373
SCI-1	358.4	08/16/11	WG	Turbidity	10.2	NTU	CASA-11-24843
SCI-1	358.4	08/16/11	WG	Turbidity	7.39	NTU	CASA-11-24841
SCI-1	358.4	08/16/11	WG	Turbidity	5.83	NTU	CASA-11-24834
SCI-1	358.4	08/16/11	WG	Turbidity	5.83	NTU	CASA-11-24764

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-1	358.4	05/24/11	WG	Turbidity	18.1	NTU	CASA-11-10805
SCI-2	548	08/11/11	WG	pH	7.49	SU	CASA-11-24765
SCI-2	548	08/09/11	WG	pH	7.5	SU	CASA-11-24849
SCI-2	548	08/09/11	WG	pH	7.48	SU	CASA-11-24847
SCI-2	548	08/09/11	WG	pH	7.45	SU	CASA-11-24845
SCI-2	548	08/11/11	WG	Specific Conductance	590	µS/cm	CASA-11-24765
SCI-2	548	08/09/11	WG	Specific Conductance	592	µS/cm	CASA-11-24849
SCI-2	548	08/09/11	WG	Specific Conductance	565	µS/cm	CASA-11-24847
SCI-2	548	08/09/11	WG	Specific Conductance	590	µS/cm	CASA-11-24845

[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 acronyms, abbreviations, symbols, and codes in the lists.

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
%D	percent difference
%R	percent recovery
%RSD	percent 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 chromatograph/mass spectrometer
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
LC/MS/MS	liquid chromatography/mass spectrometry/mass spectrometry
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

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
TCDD	tetrachlorodibenzo-p-dioxin
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
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
PEK	performance evaluation known
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

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Analytical Suite Codes	
ANION	anions
DIOX/FUR, Diox/Fur	dioxins and furans
DRO	diesel range organics
GAMMA, GAMMA_SPEC	gamma spectroscopy
Geninorg, GENINORG	general inorganics
GRO	gasoline range organics
GROSSA	gross alpha
GROSSB	gross beta
HERB	herbicides
HEXP	high explosives
INORGANIC	inorganics
ISOTOPE, Isotope	isotope ratios
METALS, Metals	metals
PCB	polychlorinated biphenyls
PCB_CONG, PCB Cong	PCB congeners
PEST	pesticides
PEST/PCB, PESTPCB	pesticides and PCBs
RAD, Rad	radiochemistry
SVOA	semivolatile organics
SVOC	semivolatile organic compounds
VOA	volatile organics
VOC	volatile organic compounds
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
RE	reanalysis
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate
Lab Codes	
ALTC	Alta Analytical Laboratory, Inc., San Diego, CA
ARSL	American Radiation Services–Primary
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)

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Lab Codes (continued)	
EES6	Hydrology, Geochemistry, and Geology Group (LANL)
ESE	Environmental Sciences & Engineering, Inc., Gainesville, FL
FLD	measurement taken in field
GEL	General Engineering Laboratories, Inc.
GELC	General Engineering Laboratories, Inc., Charleston, SC
GEO	Geochron Laboratories, Boston, MA
HENV	Health and Environmental Laboratory (Johnson Controls, Northern New Mexico)
HUFFMAN	Huffman Laboratories, Inc., Golden, CO
KA	KEMRON Environmental Services, Inc., Vienna, VA
LVLI	Lionville Laboratory, Inc., Philadelphia, PA
PARA	Paragon Analytics, Inc., Salt Lake City, UT
PEC	Pacific Ecorisk Laboratories, Fairfield, CA
QESL	Quanterra Environmental Services, St. Louis, MO
QST	QST Environmental, Newberry, FL
RECRAP	RECRA Labnet, Lionville, PA
RFWC	Roy F. Weston, Inc., West Chester, PA
SGSW	Paradigm Analytical Laboratories, Inc., Wilmington, NC
SILENS	Stable Isotope Laboratory, Woods Hole, MA
STL2, STR	Severn Trent Laboratories, Inc., Richland, WA (historical)
STLA	Severn Trent Laboratories, Inc., Los Angeles, CA
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
SwRI	Southwest Research Institute, San Antonio, TX
UAZ	University of Arizona, Tucson
UIL	University of Illinois, Urbana-Champaign
UMTL	University of Miami Tritium Lab

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Secondary Validation Flag Codes

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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-4	499	08/19/08	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.14	—	—	—	permil	—	—	08-1718	CAMO-08-14496	SILENS
MCOI-4	499	08/24/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.23	1.40E-01	—	—	permil	—	—	19425	EU070800GMC401	EES6
MCOI-4	499	06/28/06	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.50	8.00E-02	—	—	permil	—	—	12648	EU060500GMC401	EES6
MCOI-4	499	06/28/06	WG	UF	CS	FB	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.03	8.00E-02	—	—	permil	—	—	12649	EU060500GMC401-FB	EES6
MCOI-4	499	01/24/06	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.51	1.30E-01	—	—	permil	—	—	8055	EU06010GMC401	EES6
MCOI-4	499	09/13/05	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.31	2.00E-01	—	—	permil	—	—	8036	EU05090GMC401	EES6
MCOI-4	499	07/07/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	9.74	—	—	—	permil	—	—	10-3602	CAMO-10-22831	EES6
MCOI-4	499	08/07/09	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	11.59	—	—	—	permil	—	—	09-2809	CAMO-09-9528	EES6
MCOI-4	499	08/07/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	12.30	—	—	—	permil	—	—	09-2809	CAMO-09-9528	EES6
MCOI-4	499	08/19/08	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	10.40	—	—	—	permil	—	—	08-1718	CAMO-08-14494	SILENS
MCOI-5	689	07/07/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	14.20	—	—	—	permil	—	—	10-3602	CAMO-10-22834	EES6
MCOI-5	689	01/25/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	15.60	—	—	—	permil	—	—	10-1412	CAMO-10-9316	EES6
MCOI-5	689	01/25/10	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	14.88	—	—	—	permil	—	—	10-1412	CAMO-10-9316	EES6
MCOI-5	689	08/06/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	14.77	—	—	—	permil	—	—	09-2809	CAMO-09-9531	EES6
MCOI-6	686	08/12/08	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-37.83	—	—	—	permil	—	—	08-1659	CAMO-08-14501	SILENS
MCOI-6	686	08/13/07	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-37.01	9.00E-02	—	—	permil	—	—	19329	EF070800GMC601	EES6
MCOI-6	686	06/29/06	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-29.63	3.00E-02	—	—	permil	—	—	17944	EF060500GMC601	EES6
MCOI-6	686	06/29/06	WG	F	CS	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-29.37	3.00E-02	—	—	permil	—	—	17945	EF060500GMC690	EES6
MCOI-6	686	01/31/06	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-30.62	1.50E-01	—	—	permil	—	—	11829	EF06010GMC601	EES6
MCOI-6	686	09/01/05	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-30.31	1.40E-01	—	—	permil	—	—	11792	EF05090GMC601	EES6
MCOI-6	686	07/06/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	5.36	—	—	—	permil	—	—	10-3587	CAMO-10-22838	EES6
MCOI-6	686	07/06/10	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	7.31	—	—	—	permil	—	—	10-3587	CAMO-10-22838	EES6
MCOI-6	686	01/26/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	8.46	—	—	—	permil	—	—	10-1440	CAMO-10-9317	EES6
MCOI-6	686	08/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	8.37	—	—	—	permil	—	—	09-2966	CAMO-09-9535	EES6
R-1	1031.1	07/13/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.87	—	—	—	permil	—	—	10-3682	CAMO-10-22843	EES6
R-1	1031.1	08/13/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.74	—	—	—	permil	—	—	09-2876	CAMO-09-9551	EES6
R-1	1031.1	08/15/08	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.47	—	—	—	permil	—	—	08-1697	CAMO-08-14503	EES6
R-1	1031.1	11/12/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.42	7.02E-01	2.33E+00	—	pCi/L	U	U	11-564	CAMO-11-1262	ARSL
R-1	1031.1	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9329	UMTL
R-1	1031.1	08/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.13	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2930	CAMO-09-9549	UMTL
R-1	1031.1	02/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.13	2.87E-01	2.87E-01	—	pCi/L	U	U	09-916	CAMO-09-2607	UMTL
R-1	1031.1	11/18/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.64	2.87E-01	2.87E-01	—	pCi/L	U	U	09-344	CAMO-09-789	UMTL
R-11	855	07/08/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.67	—	—	—	permil	—	—	10-3623	CASA-10-22658	EES6
R-11	855	08/10/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.67	—	—	—	permil	—	—	09-2824	CASA-09-10364	EES6
R-11	855	11/11/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	5.36	1.12E+00	2.30E+00	—	pCi/L	—	—	11-556	CASA-11-1371	ARSL
R-11	855	05/05/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	4.64	1.00E+00	2.22E+00	—	pCi/L	—	—	10-3122	CASA-10-16778	ARSL
R-11	855	05/05/10	WG	UF	DUP	—	Rad	LLEE	Tritium	<	4.60	9.90E-01	2.20E+00	—	pCi/L	—	R	10-3122	CASA-10-16778	ARSL
R-11	855	01/29/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.25	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1599	CASA-10-9459	UMTL
R-11	855	11/18/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	6.74	2.87E-01	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3714	UMTL
R-11	855	08/10/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.36	2.87E-01	2.87E-01	—	pCi/L	—	—	09-2844	CASA-09-10366	UMTL
R-11	855	04/29/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.24	2.87E-01	2.87E-01	—	pCi/L	—	—	09-1748	CASA-09-8274	UMTL
R-13	958.3	08/14/08	WG	UF	DUP	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.94	—	—	—	permil	—	—	08-1686	CAMO-08-14536	SILENS
R-13	958.3	08/14/08	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.00	—	—	—	permil	—	—	08-1686	CAMO-08-14532	SILENS
R-13	958.3	08/16/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.27	1.40E-01	—	—	permil	—	—	19402	EU070800G13R01	EES6
R-13	958.3	07/03/06	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.05	8.00E-02	—	—	permil	—	—	12672	EU060500G13R01	EES6
R-13	958.3	07/03/06	WG	UF	CS	FB	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.96	8.00E-02	—	—	permil	—	—	12673	EU060500G13R01-FB	EES6
R-13	958.3	02/02/06	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.10	1.30E-01	—	—	permil	—	—	11476	EU06010G13R01	EES6
R-13	958.3	09/01/05	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.41	1.40E-01	—	—	permil	—	—	6046	EU05080G13R01	EES6
R-13	958.3	07/13/10	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.87	—	—	—	permil	—	—	10-3664	CAMO-10-22846	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	958.3	07/13/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.26	—	—	—	permil	—	—	10-3664	CAMO-10-22846	EES6
R-13	958.3	08/06/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.59	—	—	—	permil	—	—	09-2809	CAMO-09-9560	EES6
R-13	958.3	08/14/08	WG	F	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.55	—	—	—	permil	—	—	08-1686	CAMO-08-14535	SILENS
R-13	958.3	08/14/08	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.60	—	—	—	permil	—	—	08-1686	CAMO-08-14534	SILENS
R-13	958.3	11/09/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.89	7.02E-01	2.30E+00	—	pCi/L	U	U	11-474	CAMO-11-1269	ARSL
R-13	958.3	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.95	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9343	UMTL
R-13	958.3	02/11/10	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.77	2.87E-01	2.87E-01	—	pCi/L	—	U	10-1902	CAMO-10-9346	UMTL
R-13	958.3	08/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.16	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2842	CAMO-09-9558	UMTL
R-13	958.3	02/10/09	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	09-865	CAMO-09-2629	UMTL
R-13	958.3	02/10/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.00	2.87E-01	2.87E-01	—	pCi/L	U	U	09-865	CAMO-09-2628	UMTL
R-13	958.3	11/10/08	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-812	UMTL
R-13	958.3	11/10/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.32	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-811	UMTL
R-15	958.6	07/14/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.61	—	—	—	permil	—	—	10-3695	CAMO-10-22856	EES6
R-15	958.6	08/06/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.59	—	—	—	permil	—	—	09-2809	CAMO-09-9540	EES6
R-15	958.6	08/15/08	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.89	—	—	—	permil	—	—	08-1697	CAMO-08-14540	EES6
R-15	958.6	11/09/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	33.81	5.14E+00	1.88E+00	—	pCi/L	—	—	11-474	CAMO-11-1268	ARSL
R-15	958.6	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	30.33	9.58E-01	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9324	UMTL
R-15	958.6	08/06/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	30.33	9.58E-01	2.87E-01	—	pCi/L	—	—	09-2842	CAMO-09-9544	UMTL
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	29.69	9.58E-01	2.87E-01	—	pCi/L	—	—	09-2842	CAMO-09-9542	UMTL
R-15	958.6	02/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	27.30	8.94E-01	2.87E-01	—	pCi/L	—	—	09-916	CAMO-09-2615	UMTL
R-15	958.6	02/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	37.84	1.09E+01	7.02E+00	—	pCi/L	—	—	09-933	CAMO-09-11413	ARSL
R-15	958.6	11/10/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	30.33	9.58E-01	2.87E-01	—	pCi/L	—	—	09-264	CAMO-09-798	UMTL
R-28	934.3	07/14/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.58	—	—	—	permil	—	—	10-3695	CAMO-10-22859	EES6
R-28	934.3	08/13/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.60	—	—	—	permil	—	—	09-2876	CAMO-09-9547	EES6
R-28	934.3	08/15/08	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.28	—	—	—	permil	—	—	08-1697	CAMO-08-14542	EES6
R-28	934.3	11/29/07	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.92	—	—	—	permil	—	—	08-289	GW28-08-9174	EES6
R-28	934.3	11/29/07	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.55	—	—	—	permil	—	—	08-281	GW28-08-9169	EES6
R-28	934.3	11/29/07	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	2.36	—	—	—	permil	—	—	08-296	GW28-08-9180	EES6
R-28	934.3	11/10/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	218.53	3.28E+01	1.79E+00	—	pCi/L	—	—	11-474	CAMO-11-1271	ARSL
R-28	934.3	02/03/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	199.56	6.71E+00	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9326	UMTL
R-28	934.3	08/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	189.34	6.39E+00	2.87E-01	—	pCi/L	—	—	09-2930	CAMO-09-9546	UMTL
R-28	934.3	02/10/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	197.01	6.39E+00	2.87E-01	—	pCi/L	—	—	09-865	CAMO-09-2625	UMTL
R-28	934.3	02/10/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	233.60	6.11E+01	6.83E+00	—	pCi/L	—	—	09-867	CAMO-09-11414	ARSL
R-28	934.3	11/10/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	194.65	6.39E+00	2.87E-01	—	pCi/L	—	—	09-264	CAMO-09-808	UMTL
R-35a	1013.1	07/07/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.92	—	—	—	permil	—	—	10-3608	CASA-10-22662	EES6
R-35a	1013.1	08/03/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.83	—	—	—	permil	—	—	09-2765	CASA-09-10390	EES6
R-35a	1013.1	11/11/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.06	7.02E-01	2.39E+00	—	pCi/L	U	U	11-556	CASA-11-1373	ARSL
R-35a	1013.1	05/14/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.16	4.47E-01	1.56E+00	—	pCi/L	U	U	10-3221	CASA-10-16779	ARSL
R-35a	1013.1	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.26	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9464	UMTL
R-35a	1013.1	11/04/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.26	2.87E-01	2.87E-01	—	pCi/L	U	U	10-522	CASA-10-3827	UMTL
R-35a	1013.1	08/03/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.29	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2775	CASA-09-10387	UMTL
R-35a	1013.1	04/28/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.22	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1645	CASA-09-8305	UMTL
R-35b	825.4	08/12/08	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.26	—	—	—	permil	—	—	08-1665	CASA-08-14385	SILENS
R-35b	825.4	05/13/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.29	1.50E-01	—	—	permil	—	—	08-1130	CASA-08-12878	EES6
R-35b	825.4	08/29/07	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.61	1.60E-01	—	—	permil	—	—	19363	EF07080GR35b01	EES6
R-35b	825.4	08/29/07	WG	F	CS	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.71	1.60E-01	—	—	permil	—	—	19364	EF07080GR35b20	EES6
R-35b	825.4	07/13/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.83	—	—	—	permil	—	—	10-3677	CASA-10-22664	EES6
R-35b	825.4	11/03/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.00	—	—	—	permil	—	—	10-334	CASA-10-3831	EES6
R-35b	825.4	11/03/09	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.90	—	—	—	permil	—	—	10-334	CASA-10-3831	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	08/04/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.14	—	—	—	permil	—	—	09-2776	CASA-09-10394	EES6
R-35b	825.4	11/11/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.32	7.98E-01	2.68E+00	—	pCi/L	U	U	11-556	CASA-11-1374	ARSL
R-35b	825.4	05/12/10	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.16	5.11E-01	1.66E+00	—	pCi/L	U	U	10-3221	CASA-10-16790	ARSL
R-35b	825.4	05/12/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35	5.11E-01	1.63E+00	—	pCi/L	U	U	10-3221	CASA-10-16783	ARSL
R-35b	825.4	02/11/10	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.06	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9470	UMTL
R-35b	825.4	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.22	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9469	UMTL
R-35b	825.4	11/03/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	10-336	CASA-10-3830	UMTL
R-35b	825.4	08/04/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2775	CASA-09-10392	UMTL
R-36	766.9	07/12/10	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.53	—	—	—	permil	—	—	10-3648	CASA-10-22703	EES6
R-36	766.9	07/12/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.39	—	—	—	permil	—	—	10-3648	CASA-10-22703	EES6
R-36	766.9	02/04/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.35	—	—	—	permil	—	—	10-1641	CASA-10-9494	EES6
R-36	766.9	08/05/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.73	—	—	—	permil	—	—	09-2788	CASA-09-10377	EES6
R-36	766.9	11/11/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	21.20	3.32E+00	2.30E+00	—	pCi/L	—	—	11-556	CASA-11-1376	ARSL
R-36	766.9	05/12/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	12.96	2.08E+00	1.79E+00	—	pCi/L	—	—	10-3221	CASA-10-16793	ARSL
R-36	766.9	02/04/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	18.62	6.39E-01	2.87E-01	—	pCi/L	—	—	10-1658	CASA-10-9493	UMTL
R-36	766.9	11/04/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	19.64	6.39E-01	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3854	UMTL
R-36	766.9	11/04/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	20.18	6.71E-01	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3834	UMTL
R-36	766.9	08/05/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	20.15	6.71E-01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10373	UMTL
R-36	766.9	08/05/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	18.97	6.39E-01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10376	UMTL
R-42	931.8	07/13/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.73	—	—	—	permil	—	—	10-3664	CAMO-10-22893	EES6
R-42	931.8	05/13/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.62	—	—	—	permil	—	—	10-3173	CAMO-10-16821	EES6
R-42	931.8	05/13/10	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.67	—	—	—	permil	—	—	10-3173	CAMO-10-16821	EES6
R-42	931.8	02/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.76	—	—	—	permil	—	—	10-1803	CAMO-10-9355	EES6
R-42	931.8	08/14/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.75	—	—	—	permil	—	—	09-2892	CAMO-09-9570	EES6
R-42	931.8	11/10/10	WG	UF	RE	—	Rad	EPA:906.0	Tritium	—	329.75	7.54E+01	2.34E+02	—	pCi/L	—	—	11-474	CAMO-11-1273	ARSL
R-42	931.8	05/13/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	148.43	8.01E+01	2.62E+02	—	pCi/L	U	U	10-3219	CAMO-10-16822	ARSL
R-42	931.8	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	224.79	7.34E+00	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9357	UMTL
R-42	931.8	11/05/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	216.49	7.02E+00	2.87E-01	—	pCi/L	—	—	10-523	CAMO-10-3218	UMTL
R-42	931.8	08/14/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	197.97	6.39E+00	2.87E-01	—	pCi/L	—	—	09-2930	CAMO-09-9568	UMTL
R-43	903.9	05/10/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.59	—	—	—	permil	—	—	10-3161	CASA-10-16795	EES6
R-43	903.9	05/10/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.19	—	—	—	permil	—	—	10-3161	CASA-10-16795	EES6
R-43	903.9	02/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.28	—	—	—	permil	—	—	10-1593	CASA-10-9484	EES6
R-43	903.9	02/02/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.28	—	—	—	permil	—	—	10-1593	CASA-10-9484	EES6
R-43	903.9	11/19/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.70	—	—	—	permil	—	—	10-630	CASA-10-3858	EES6
R-43	903.9	11/19/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.43	—	—	—	permil	—	—	10-630	CASA-10-3858	EES6
R-43	903.9	08/18/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	<	-76.48	—	—	1.00E-03	permil	U	—	09-2936	CASA-09-10397	EES6
R-43	903.9	06/19/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	<	-77.01	—	—	1.00E-03	permil	U	—	09-2429	CAMO-09-10501	EES6
R-43	903.9	05/10/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.97	—	—	—	permil	—	—	10-3161	CASA-10-16794	EES6
R-43	903.9	02/02/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.09	—	—	—	permil	—	—	10-1593	CASA-10-9481	EES6
R-43	903.9	11/19/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.34	—	—	—	permil	—	—	10-630	CASA-10-3857	EES6
R-43	903.9	08/18/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.31	—	—	1.00E-02	permil	—	—	09-2936	CASA-09-10396	EES6
R-43	903.9	06/19/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.18	—	—	1.00E-02	permil	—	—	09-2429	CAMO-09-10502	EES6
R-43	903.9	06/19/09	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.20	—	—	1.00E-02	permil	—	—	09-2429	CAMO-09-10502	EES6
R-43	903.9	05/10/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.72	—	—	—	permil	—	—	10-3161	CASA-10-16795	EES6
R-43	903.9	05/10/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.71	—	—	—	permil	—	—	10-3161	CASA-10-16795	EES6
R-43	903.9	02/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.58	—	—	—	permil	—	—	10-1593	CASA-10-9484	EES6
R-43	903.9	02/02/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.73	—	—	—	permil	—	—	10-1593	CASA-10-9484	EES6
R-43	903.9	11/19/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.64	—	—	—	permil	—	—	10-630	CASA-10-3858	EES6
R-43	903.9	11/19/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.79	—	—	—	permil	—	—	10-630	CASA-10-3858	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	903.9	08/18/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.55	—	—	1.00E-02	permil	—	—	09-2936	CASA-09-10397	EES6
R-43	903.9	08/18/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.54	—	—	1.00E-03	permil	—	—	09-2936	CASA-09-10397	EES6
R-43	903.9	06/19/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.52	—	—	1.00E-02	permil	—	—	09-2429	CAMO-09-10501	EES6
R-43	903.9	06/19/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.39	—	—	1.00E-02	permil	—	—	09-2429	CAMO-09-10501	EES6
R-43	903.9	07/15/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.47	—	—	—	permil	—	—	10-3715	CASA-10-22706	EES6
R-43	903.9	05/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.10	—	—	—	permil	—	—	10-3161	CASA-10-16794	EES6
R-43	903.9	11/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.58	—	—	—	permil	—	—	10-630	CASA-10-3857	EES6
R-43	903.9	08/18/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.45	—	—	—	permil	—	—	09-2936	CASA-09-10396	EES6
R-43	903.9	06/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.26	—	—	—	permil	—	—	09-2429	CAMO-09-10502	EES6
R-43	903.9	11/16/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.29	7.34E-01	2.49E+00	—	pCi/L	U	U	11-556	CASA-11-1379	ARSL
R-43	903.9	05/10/10	WG	UF	DUP	—	Rad	LLEE	Tritium	<	-0.96	4.79E-01	1.63E+00	—	pCi/L	U	R	10-3122	CASA-10-16795	ARSL
R-43	903.9	05/10/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.97	4.80E-01	1.64E+00	—	pCi/L	U	U	10-3122	CASA-10-16795	ARSL
R-43	903.9	02/02/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1599	CASA-10-9484	UMTL
R-43	903.9	11/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.40	2.87E-01	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3858	UMTL
R-43	903.9	08/18/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2941	CASA-09-10397	UMTL
R-43	903.9	06/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.26	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2460	CAMO-09-10501	UMTL
R-43	969.1	05/10/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.93	—	—	—	permil	—	—	10-3161	CASA-10-16799	EES6
R-43	969.1	02/02/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-71.82	—	—	—	permil	—	—	10-1593	CASA-10-9486	EES6
R-43	969.1	02/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-73.65	—	—	—	permil	—	—	10-1593	CASA-10-9486	EES6
R-43	969.1	11/19/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.73	—	—	—	permil	—	—	10-630	CASA-10-3861	EES6
R-43	969.1	08/18/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	<	-76.22	—	—	1.00E-03	permil	U	—	09-2936	CASA-09-10402	EES6
R-43	969.1	06/18/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	<	-73.39	—	—	1.00E-03	permil	U	—	09-2417	CAMO-09-10508	EES6
R-43	969.1	06/18/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.14	—	—	—	permil	—	—	09-2417	CAMO-09-10508	EES6
R-43	969.1	05/10/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.55	—	—	—	permil	—	—	10-3161	CASA-10-16798	EES6
R-43	969.1	02/02/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.48	—	—	—	permil	—	—	10-1593	CASA-10-9488	EES6
R-43	969.1	11/19/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.83	—	—	—	permil	—	—	10-630	CASA-10-3860	EES6
R-43	969.1	08/18/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.16	—	—	1.00E-02	permil	—	—	09-2936	CASA-09-10401	EES6
R-43	969.1	06/18/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.53	—	—	1.00E-02	permil	—	—	09-2417	CAMO-09-10509	EES6
R-43	969.1	05/10/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.52	—	—	—	permil	—	—	10-3161	CASA-10-16799	EES6
R-43	969.1	05/10/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.55	—	—	—	permil	—	—	10-3161	CASA-10-16799	EES6
R-43	969.1	02/02/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.17	—	—	—	permil	—	—	10-1593	CASA-10-9486	EES6
R-43	969.1	02/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.95	—	—	—	permil	—	—	10-1593	CASA-10-9486	EES6
R-43	969.1	11/19/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.71	—	—	—	permil	—	—	10-630	CASA-10-3861	EES6
R-43	969.1	11/19/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.56	—	—	—	permil	—	—	10-630	CASA-10-3861	EES6
R-43	969.1	08/18/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.57	—	—	1.00E-03	permil	—	—	09-2936	CASA-09-10402	EES6
R-43	969.1	08/18/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.45	—	—	1.00E-03	permil	—	—	09-2936	CASA-09-10402	EES6
R-43	969.1	06/18/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.84	—	—	1.00E-02	permil	—	—	09-2417	CAMO-09-10508	EES6
R-43	969.1	07/15/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.12	—	—	—	permil	—	—	10-3715	CASA-10-22710	EES6
R-43	969.1	05/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.31	—	—	—	permil	—	—	10-3161	CASA-10-16798	EES6
R-43	969.1	02/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.29	—	—	—	permil	—	—	10-1593	CASA-10-9488	EES6
R-43	969.1	11/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.88	—	—	—	permil	—	—	10-630	CASA-10-3860	EES6
R-43	969.1	08/18/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.11	—	—	—	permil	—	—	09-2936	CASA-09-10401	EES6
R-43	969.1	06/18/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-7.76	—	—	—	permil	—	—	09-2417	CAMO-09-10509	EES6
R-43	969.1	11/16/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.48	7.98E-01	2.65E+00	—	pCi/L	U	U	11-556	CASA-11-1380	ARSL
R-43	969.1	05/10/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.22	5.80E-01	1.74E+00	—	pCi/L	—	U	10-3122	CASA-10-16799	ARSL
R-43	969.1	05/10/10	WG	UF	DUP	—	Rad	LLEE	Tritium	<	1.21	5.75E-01	1.72E+00	—	pCi/L	—	R	10-3122	CASA-10-16799	ARSL
R-43	969.1	02/02/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.13	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1599	CASA-10-9486	UMTL
R-43	969.1	11/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	10-661	CASA-10-3861	UMTL
R-43	969.1	08/18/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2941	CASA-09-10402	UMTL

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	969.1	06/18/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2460	CAMO-09-10508	UMTL
R-44	895	07/14/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.70	—	—	—	permil	—	—	10-3700	CAMO-10-22864	EES6
R-44	895	05/04/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.73	—	—	—	permil	—	—	10-3021	CAMO-10-16841	EES6
R-44	895	02/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.09	—	—	—	permil	—	—	10-1798	CAMO-10-9372	EES6
R-44	895	11/13/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.29	—	—	—	permil	—	—	10-511	CAMO-10-3224	EES6
R-44	895	08/17/09	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.14	—	—	—	permil	—	—	09-2913	CAMO-09-9919	EES6
R-44	895	08/17/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.63	—	—	—	permil	—	—	09-2913	CAMO-09-9919	EES6
R-44	895	02/17/09	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.35	—	—	—	permil	—	—	09-911	CAMO-09-4438	EES6
R-44	895	11/18/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.95	7.66E-01	2.30E+00	—	pCi/L	U	U	11-748	CAMO-11-1276	ARSL
R-44	895	05/04/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.67	6.39E-01	2.11E+00	—	pCi/L	U	U	10-3020	CAMO-10-16840	ARSL
R-44	895	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.48	2.87E-01	2.87E-01	—	pCi/L	—	U	10-1902	CAMO-10-9370	UMTL
R-44	895	11/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.21	2.87E-01	2.87E-01	—	pCi/L	—	—	10-523	CAMO-10-3225	UMTL
R-44	895	08/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.54	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2930	CAMO-09-9922	UMTL
R-44	985.3	07/14/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.55	—	—	—	permil	—	—	10-3700	CAMO-10-22869	EES6
R-44	985.3	05/04/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.04	—	—	—	permil	—	—	10-3021	CAMO-10-16844	EES6
R-44	985.3	05/04/10	WG	F	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.36	—	—	—	permil	—	—	10-3021	CAMO-10-16846	EES6
R-44	985.3	11/13/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.56	—	—	—	permil	—	—	10-511	CAMO-10-3227	EES6
R-44	985.3	08/17/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.50	—	—	—	permil	—	—	09-2913	CAMO-09-9925	EES6
R-44	985.3	11/18/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.48	7.66E-01	2.59E+00	—	pCi/L	U	U	11-748	CAMO-11-1278	ARSL
R-44	985.3	05/04/10	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.64	6.39E-01	2.17E+00	—	pCi/L	U	U	10-3020	CAMO-10-16847	ARSL
R-44	985.3	05/04/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.00	6.71E-01	2.27E+00	—	pCi/L	U	U	10-3020	CAMO-10-16843	ARSL
R-44	985.3	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.19	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9373	UMTL
R-44	985.3	11/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.45	2.87E-01	2.87E-01	—	pCi/L	—	U	10-523	CAMO-10-3228	UMTL
R-44	985.3	08/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.32	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2930	CAMO-09-9927	UMTL
R-45	880	07/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.36	—	—	—	permil	—	—	10-3564	CAMO-10-22876	EES6
R-45	880	05/13/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.35	—	—	—	permil	—	—	10-3163	CAMO-10-16824	EES6
R-45	880	01/27/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.54	—	—	—	permil	—	—	10-1463	CAMO-10-9378	EES6
R-45	880	11/16/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.09	—	—	—	permil	—	—	10-537	CAMO-10-3229	EES6
R-45	880	08/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.71	—	—	—	permil	—	—	09-2962	CAMO-09-10252	EES6
R-45	880	02/28/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.18	—	—	—	permil	—	—	09-1050	CAMO-09-4585	EES6
R-45	880	11/19/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	4.50	1.02E+00	2.43E+00	—	pCi/L	—	—	11-748	CAMO-11-1279	ARSL
R-45	880	05/13/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.21	5.43E-01	1.69E+00	—	pCi/L	U	U	10-3219	CAMO-10-16825	ARSL
R-45	880	01/27/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.34	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1610	CAMO-10-9379	UMTL
R-45	880	11/16/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.66	2.87E-01	2.87E-01	—	pCi/L	—	—	10-581	CAMO-10-3231	UMTL
R-45	880	08/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	11.08	3.51E-01	2.87E-01	—	pCi/L	—	—	09-3009	CAMO-09-10254	UMTL
R-45	974.9	07/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.62	—	—	—	permil	—	—	10-3564	CAMO-10-22873	EES6
R-45	974.9	01/27/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.31	—	—	—	permil	—	—	10-1463	CAMO-10-9383	EES6
R-45	974.9	11/16/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.37	—	—	—	permil	—	—	10-537	CAMO-10-3233	EES6
R-45	974.9	08/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.02	—	—	—	permil	—	—	09-2962	CAMO-09-10255	EES6
R-45	974.9	03/05/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.19	—	—	—	permil	—	—	09-1109	CAMO-09-4586	EES6
R-45	974.9	11/19/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.98	7.98E-01	2.43E+00	—	pCi/L	U	U	11-748	CAMO-11-1282	ARSL
R-45	974.9	05/14/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.57	6.07E-01	2.01E+00	—	pCi/L	U	U	10-3219	CAMO-10-16828	ARSL
R-45	974.9	01/27/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.28	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1610	CAMO-10-9384	UMTL
R-45	974.9	01/27/10	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.86	2.87E-01	2.87E-01	—	pCi/L	—	U	10-1610	CAMO-10-9385	UMTL
R-45	974.9	11/16/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.77	2.87E-01	2.87E-01	—	pCi/L	—	U	10-581	CAMO-10-3234	UMTL
R-45	974.9	08/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.83	2.87E-01	2.87E-01	—	pCi/L	—	U	09-3009	CAMO-09-10256	UMTL
R-50	1077	05/25/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.75	—	—	—	permil	—	—	11-2543	CAMO-11-10719	EES6
R-50	1077	05/25/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.27	—	—	—	permil	—	—	11-2543	CAMO-11-10719	EES6
R-50	1077	11/16/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.69	—	—	—	permil	—	—	11-559	CAMO-11-1313	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	1077	07/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.23	—	—	—	permil	—	—	10-3559	CAMO-10-22904	EES6
R-50	1077	05/27/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.90	—	—	—	permil	—	—	10-3271	CAMO-10-17421	EES6
R-50	1077	03/06/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.56	—	—	—	permil	—	—	10-2344	CAMO-10-13853	EES6
R-50	1077	08/04/11	WG	UF	CS	FD	Rad	LLEE	Tritium	—	16.16	2.62E+00	2.27E+00	—	pCi/L	—	—	11-3040	CAMO-11-24675	ARSL
R-50	1077	08/04/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	12.64	2.14E+00	2.52E+00	—	pCi/L	—	—	11-3040	CAMO-11-24673	ARSL
R-50	1077	05/25/11	WG	UF	CS	FD	Rad	LLEE	Tritium	—	23.88	3.77E+00	2.55E+00	—	pCi/L	—	—	11-2539	CAMO-11-10722	ARSL
R-50	1077	05/25/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	20.12	3.16E+00	1.95E+00	—	pCi/L	—	—	11-2539	CAMO-11-10720	ARSL
R-50	1077	02/23/11	WG	UF	RE	—	Rad	LLEE	Tritium	—	29.22	4.47E+00	1.63E+00	—	pCi/L	—	—	11-1429	CAMO-11-4611	ARSL
R-50	1077	02/23/11	WG	UF	RE	FD	Rad	LLEE	Tritium	—	27.27	4.18E+00	1.60E+00	—	pCi/L	—	—	11-1429	CAMO-11-4614	ARSL
R-50	1077	11/16/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	28.48	4.41E+00	2.55E+00	—	pCi/L	—	—	11-564	CAMO-11-1312	ARSL
R-50	1077	07/02/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	8.24	1.44E+00	2.08E+00	—	pCi/L	—	—	10-3595	CAMO-10-22902	ARSL
R-50	1077	05/27/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	11.08	1.98E+00	3.13E+00	—	pCi/L	—	—	10-3291	CAMO-10-17420	ARSL
R-50	1077	03/06/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	16.03	5.43E-01	2.87E-01	—	pCi/L	—	—	10-2385	CAMO-10-13852	UMTL
R-50	1185	05/24/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.79	—	—	—	permil	—	—	11-2523	CAMO-11-10727	EES6
R-50	1185	11/16/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.85	—	—	—	permil	—	—	11-559	CAMO-11-1315	EES6
R-50	1185	07/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.57	—	—	—	permil	—	—	10-3559	CAMO-10-22906	EES6
R-50	1185	05/27/10	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.54	—	—	—	permil	—	—	10-3281	CAMO-10-18980	EES6
R-50	1185	05/27/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.44	—	—	—	permil	—	—	10-3281	CAMO-10-18980	EES6
R-50	1185	03/11/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.89	—	—	—	permil	—	—	10-2427	CAMO-10-13926	EES6
R-50	1185	08/08/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.25	6.71E-01	2.30E+00	—	pCi/L	U	U	11-3040	CAMO-11-24679	ARSL
R-50	1185	05/24/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.93	7.66E-01	2.52E+00	—	pCi/L	U	U	11-2528	CAMO-11-10726	ARSL
R-50	1185	02/24/11	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.19	5.75E-01	1.92E+00	—	pCi/L	U	U	11-1579	CAMO-11-4617	ARSL
R-50	1185	11/16/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.37	7.66E-01	2.43E+00	—	pCi/L	U	U	11-564	CAMO-11-1316	ARSL
R-50	1185	11/16/10	WG	UF	RE	FD	Rad	LLEE	Tritium	<	0.96	6.71E-01	2.20E+00	—	pCi/L	U	U	11-564	CAMO-11-1317	ARSL
R-50	1185	07/02/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-3.16	8.30E-01	2.43E+00	—	pCi/L	U	U	10-3595	CAMO-10-22907	ARSL
R-50	1185	05/27/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.67	5.11E-01	1.76E+00	—	pCi/L	U	U	10-3291	CAMO-10-18979	ARSL
R-50	1185	03/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	10-2457	CAMO-10-13924	UMTL
R-61	1125	08/18/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.00	—	—	—	permil	—	—	11-3267	CAMO-11-24698	EES6
R-61	1125	05/20/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.26	—	—	—	permil	—	—	11-2476	CAMO-11-10852	EES6
R-61	1125	08/18/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.90	—	—	—	permil	—	—	11-3267	CAMO-11-24696	EES6
R-61	1125	05/20/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.68	—	—	—	permil	—	—	11-2476	CAMO-11-10853	EES6
R-61	1125	08/18/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.94	—	—	—	permil	—	—	11-3267	CAMO-11-24698	EES6
R-61	1125	05/20/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.92	—	—	—	permil	—	—	11-2476	CAMO-11-10852	EES6
R-61	1125	08/18/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.59	—	—	—	permil	—	—	11-3267	CAMO-11-24696	EES6
R-61	1125	05/20/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.15	—	—	—	permil	—	—	11-2476	CAMO-11-10853	EES6
R-61	1125	08/18/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	14.91	2.43E+00	2.27E+00	—	pCi/L	—	—	11-3305	CAMO-11-24698	ARSL
R-61	1125	05/20/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	7.76	1.37E+00	2.11E+00	—	pCi/L	—	U	11-2531	CAMO-11-10852	ARSL
R-61	1220.4	08/19/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.77	—	—	—	permil	—	—	11-3273	CAMO-11-24703	EES6
R-61	1220.4	05/24/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.86	—	—	—	permil	—	—	11-2503	CAMO-11-11689	EES6
R-61	1220.4	08/19/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.27	—	—	—	permil	—	—	11-3273	CAMO-11-24702	EES6
R-61	1220.4	05/24/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.89	—	—	—	permil	—	—	11-2503	CAMO-11-11691	EES6
R-61	1220.4	05/24/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.21	—	—	—	permil	—	—	11-2503	CAMO-11-11691	EES6
R-61	1220.4	08/19/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.83	—	—	—	permil	—	—	11-3273	CAMO-11-24703	EES6
R-61	1220.4	05/24/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.98	—	—	—	permil	—	—	11-2503	CAMO-11-11689	EES6
R-61	1220.4	08/19/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-24.16	—	—	—	permil	—	—	11-3273	CAMO-11-24702	EES6
R-61	1220.4	05/24/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.88	—	—	—	permil	—	—	11-2503	CAMO-11-11691	EES6
R-61	1220.4	05/24/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.26	—	—	—	permil	—	—	11-2503	CAMO-11-11691	EES6
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.29	7.02E-01	2.33E+00	—	pCi/L	U	U	11-3305	CAMO-11-24703	ARSL
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.38	6.07E-01	2.11E+00	—	pCi/L	U	U	11-2531	CAMO-11-11689	ARSL

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	08/19/08	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-66.01	—	—	—	permil	—	—	08-1721	CASA-08-14366	SILENS
SCI-1	358.4	08/19/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-67.52	—	—	—	permil	—	—	08-1721	CASA-08-14366	SILENS
SCI-1	358.4	08/19/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.19	—	—	—	permil	—	—	08-1721	CASA-08-14366	SILENS
SCI-1	358.4	08/19/08	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-8.97	—	—	—	permil	—	—	08-1721	CASA-08-14366	SILENS
SCI-1	358.4	08/22/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-8.99	1.40E-01	—	—	permil	—	—	19421	EU070800SCI101	EES6
SCI-1	358.4	07/12/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	6.83	—	—	—	permil	—	—	10-3648	CASA-10-22647	EES6
SCI-1	358.4	05/07/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	3.86	—	—	—	permil	—	—	10-3101	CASA-10-16756	EES6
SCI-1	358.4	11/18/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	4.45	—	—	—	permil	—	—	10-593	CASA-10-3667	EES6
SCI-1	358.4	08/03/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	5.34	—	—	—	permil	—	—	09-2755	CASA-09-10348	EES6
SCI-1	358.4	05/24/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	77.40	1.17E+01	2.17E+00	—	pCi/L	—	—	11-2519	CASA-11-10805	ARSL
SCI-1	358.4	11/16/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	87.39	1.32E+01	2.55E+00	—	pCi/L	—	—	11-556	CASA-11-1360	ARSL
SCI-1	358.4	05/07/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	70.25	1.06E+01	1.82E+00	—	pCi/L	—	—	10-3122	CASA-10-16757	ARSL
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	83.34	2.87E+00	2.87E-01	—	pCi/L	—	—	10-1680	CASA-10-9452	UMTL
SCI-1	358.4	11/18/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	97.71	3.19E+00	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3665	UMTL
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	87.81	2.87E+00	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10350	UMTL
SCI-1	358.4	05/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	93.87	3.19E+00	2.87E-01	—	pCi/L	—	—	09-1856	CASA-09-8266	UMTL
SCI-2	548	07/15/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	3.42	—	—	—	permil	—	—	10-3715	CASA-10-22651	EES6
SCI-2	548	05/06/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.17	—	—	—	permil	—	—	10-3101	CASA-10-16761	EES6
SCI-2	548	11/17/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.56	—	—	—	permil	—	—	10-549	CASA-10-3717	EES6
SCI-2	548	08/04/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.64	—	—	—	permil	—	—	09-2771	CASA-09-10368	EES6
SCI-2	548	05/06/09	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.69	—	—	—	permil	—	—	09-1770	CASA-09-8315	EES6
SCI-2	548	05/06/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.18	—	—	—	permil	—	—	09-1770	CASA-09-8315	EES6
SCI-2	548	06/02/11	WG	UF	RE	—	Rad	LLEE	Tritium	—	334.75	5.04E+01	4.31E+00	—	pCi/L	—	—	11-2626	CASA-11-10807	ARSL
SCI-2	548	11/16/10	WG	UF	RE	—	Rad	EPA:906.0	Tritium	—	680.05	7.77E+01	2.07E+02	—	pCi/L	—	—	11-556	CASA-11-1363	ARSL
SCI-2	548	05/06/10	WG	UF	RE	—	Rad	EPA:906.0	Tritium	—	505.14	7.88E+01	2.30E+02	—	pCi/L	—	—	10-3122	CASA-10-16763	ARSL
SCI-2	548	05/06/10	WG	UF	DUP	—	Rad	EPA:906.0	Tritium	<	505.14	7.88E+01	2.30E+02	—	pCi/L	—	R	10-3122	CASA-10-16763	ARSL
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	472.56	1.60E+01	2.87E-01	—	pCi/L	—	—	10-1697	CASA-10-9489	UMTL
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	494.92	1.60E+01	2.87E-01	—	pCi/L	—	—	10-582	CASA-10-3716	UMTL
SCI-2	548	08/04/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	485.34	1.60E+01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10367	UMTL
SCI-2	548	08/04/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	472.56	1.60E+01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10371	UMTL
SCI-2	548	05/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	494.92	1.60E+01	2.87E-01	—	pCi/L	—	—	09-1856	CASA-09-8313	UMTL

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.4	—	—	7.30E-01	mg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.6	—	—	7.30E-01	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	48.1	—	—	7.30E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.5	—	—	7.30E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	47	—	—	7.30E-01	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.14	—	—	6.60E-02	mg/L	J	J-	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.142	—	—	6.60E-02	mg/L	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.132	—	—	6.60E-02	mg/L	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.134	—	—	6.60E-02	mg/L	J	J-	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.108	—	—	6.60E-02	mg/L	J	J	11-531	CAMO-11-1254	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19	—	—	5.00E-02	mg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.7	—	—	5.00E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	N	J-	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	5.00E-02	mg/L	—	—	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	N	J-	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.73	—	—	6.60E-02	mg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.69	—	—	6.60E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.79	—	—	6.60E-02	mg/L	—	J+	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.64	—	—	6.60E-02	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.14	—	—	6.60E-02	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.207	—	—	3.30E-02	mg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.243	—	—	3.30E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.224	—	—	3.30E-02	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.231	—	—	3.30E-02	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.261	—	—	3.30E-02	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.3	—	—	4.50E-01	mg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.8	—	—	4.50E-01	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.3	—	—	4.50E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.2	—	—	4.50E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.1	—	—	4.50E-01	mg/L	—	—	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.7	—	—	4.50E-01	mg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.7	—	—	4.50E-01	mg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.1	—	—	4.50E-01	mg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	1.10E-01	mg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	1.10E-01	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	1.10E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.29	—	—	1.10E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	1.10E-01	mg/L	—	—	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	1.10E-01	mg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.18	—	—	1.10E-01	mg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.26	—	—	1.10E-01	mg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.88	—	—	5.00E-02	mg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.04	—	—	5.00E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4	—	—	1.00E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.89	—	—	1.00E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.2	—	—	2.50E-01	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	75.1	—	—	5.00E+00	µg/L	—	—	12-292	CAMO-12-1466	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	82.8	—	—	5.00E+00	µg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	87.9	—	—	5.00E+00	µg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	84.9	—	—	5.00E+00	µg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	99.2	—	—	1.00E+01	µg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J-	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.07	—	—	1.00E-02	SU	H	J-	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.46	—	—	5.00E-02	mg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.438	—	—	5.00E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	<	0.365	—	—	5.00E-02	mg/L	—	U	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.603	—	—	5.00E-02	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.435	—	—	5.00E-02	mg/L	—	—	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.419	—	—	5.00E-02	mg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	<	0.317	—	—	5.00E-02	mg/L	—	U	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.53	—	—	5.00E-02	mg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	J-	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.00E-01	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	J-	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	1.00E-01	mg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	µS/cm	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	µS/cm	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	186	—	—	1.00E+00	µS/cm	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	µS/cm	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.1	—	—	1.00E-01	mg/L	—	J+	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.2	—	—	1.00E-01	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13	—	—	1.00E-01	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13.1	—	—	1.00E-01	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.4	—	—	1.00E-01	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	3.40E+00	mg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	3.40E+00	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	180	—	—	2.40E+00	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	194	—	—	2.40E+00	mg/L	—	J	11-531	CAMO-11-1254	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.333	—	—	3.30E-01	mg/L	J	J	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.858	—	—	3.30E-01	mg/L	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.675	—	—	3.30E-01	mg/L	J	J	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/15/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.864	—	—	3.30E-01	mg/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0428	—	—	1.50E-02	mg/L	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.136	—	—	1.50E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0959	—	—	1.50E-02	mg/L	—	U	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.078	—	—	1.50E-02	mg/L	—	U	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/15/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.078	—	—	1.50E-02	mg/L	—	U	11-531	CAMO-11-1254	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.51	—	—	1.70E+00	µg/L	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3146	CAMO-11-24628	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.06	—	—	1.70E+00	µg/L	J	J	11-1478	CAMO-11-4591	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	µg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.8	—	—	1.00E+00	µg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	µg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	µg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.5	—	—	1.00E+00	µg/L	—	—	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15	—	—	1.00E+00	µg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13	—	—	1.00E+00	µg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.4	—	—	1.00E+00	µg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.2	—	—	1.50E+01	µg/L	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.5	—	—	1.50E+01	µg/L	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.2	—	—	1.50E+01	µg/L	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.7	—	—	1.50E+01	µg/L	J	J	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.6	—	—	1.50E+01	µg/L	J	J	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.6	—	—	1.50E+01	µg/L	J	J	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	µg/L	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.1	—	—	1.50E+01	µg/L	J	J	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.4	—	—	2.00E+00	µg/L	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.59	—	—	2.00E+00	µg/L	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.03	—	—	2.00E+00	µg/L	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.32	—	—	2.00E+00	µg/L	J	J	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.53	—	—	2.00E+00	µg/L	J	J	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.87	—	—	2.00E+00	µg/L	J	J	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.19	—	—	2.00E+00	µg/L	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.87	—	—	2.00E+00	µg/L	J	J	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.70E-01	µg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.54	—	—	1.70E-01	µg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	1.70E-01	µg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	1.70E-01	µg/L	—	J	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.70E-01	µg/L	—	—	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.70E-01	µg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.27	—	—	1.70E-01	µg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.70E-01	µg/L	—	J	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.776	—	—	5.00E-01	µg/L	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.775	—	—	5.00E-01	µg/L	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.701	—	—	5.00E-01	µg/L	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.999	—	—	5.00E-01	µg/L	J	U	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.95	—	—	5.00E-01	µg/L	J	J	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.941	—	—	5.00E-01	µg/L	J	J	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.782	—	—	5.00E-01	µg/L	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2.29	—	—	5.00E-01	µg/L	—	U	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.2	—	—	5.30E-02	mg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70	—	—	5.30E-02	mg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.7	—	—	5.30E-02	mg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.2	—	—	5.30E-02	mg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.9	—	—	5.30E-02	mg/L	—	—	11-531	CAMO-11-1254	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689	11/08/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	86.4	—	—	1.00E+00	µg/L	—	—	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	82.4	—	—	1.00E+00	µg/L	—	—	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.5	—	—	1.00E+00	µg/L	—	—	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.2	—	—	1.00E+00	µg/L	—	—	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	86.3	—	—	1.00E+00	µg/L	—	—	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	81.6	—	—	1.00E+00	µg/L	—	—	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	73.8	—	—	1.00E+00	µg/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	80.4	—	—	1.00E+00	µg/L	—	—	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.106	—	—	6.70E-02	µg/L	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	6.70E-02	µg/L	U	U	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.092	—	—	6.70E-02	µg/L	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.101	—	—	6.70E-02	µg/L	J	J	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.107	—	—	6.70E-02	µg/L	J	J	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	6.70E-02	µg/L	U	U	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.084	—	—	6.70E-02	µg/L	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.113	—	—	6.70E-02	µg/L	J	J	11-1478	CAMO-11-4590	GELC
MCOI-5	689	11/08/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.41	—	—	1.00E+00	µg/L	J	J	12-292	CAMO-12-1466	GELC
MCOI-5	689	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.34	—	—	1.00E+00	µg/L	J	J	11-3146	CAMO-11-24628	GELC
MCOI-5	689	05/26/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.18	—	—	1.00E+00	µg/L	J	J	11-2561	CAMO-11-10698	GELC
MCOI-5	689	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.7	—	—	1.00E+00	µg/L	J	J	11-1478	CAMO-11-4591	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.76	—	—	1.00E+00	µg/L	J	J	12-292	CAMO-12-1465	GELC
MCOI-5	689	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.51	—	—	1.00E+00	µg/L	J	J	11-3146	CAMO-11-24627	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.65	—	—	1.00E+00	µg/L	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	689	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.67	—	—	1.00E+00	µg/L	J	J	11-1478	CAMO-11-4590	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0107	1.70E-03	2.90E-02	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00083	4.30E-04	3.90E-02	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00507	1.70E-03	3.90E-02	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000402	1.27E-03	3.50E-02	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0024	8.67E-04	4.50E-02	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00151	1.47E-03	2.80E-02	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00142	5.83E-04	4.18E-02	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.753	4.00E-01	3.70E+00	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.945	5.53E-01	4.89E+00	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.776	4.67E-01	4.80E+00	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.21	5.33E-01	5.90E+00	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3	4.67E-01	3.90E+00	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.082	4.33E-01	4.20E+00	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.41	4.67E-01	4.62E+00	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.473	4.00E-01	3.90E+00	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.457	4.27E-01	4.30E+00	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.403	3.33E-01	4.00E+00	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.355	6.33E-01	6.30E+00	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.265	4.33E-01	4.10E+00	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.843	5.00E-01	4.40E+00	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.93	5.03E-01	3.77E+00	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.822	1.93E-01	1.95E+00	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	06/26/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.33	1.58E-01	2.16E+00	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.587	1.80E-01	1.90E+00	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.172	1.80E-01	2.60E+00	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.82	1.33E-01	1.20E+00	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.194	2.10E-01	2.44E+00	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	06/26/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.1	2.82E-01	3.10E+00	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.61	3.00E-01	2.90E+00	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	06/26/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.88	2.42E-01	2.98E+00	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.338	2.23E-01	2.40E+00	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.11	3.67E-01	3.00E+00	—	pCi/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.98	2.53E-01	2.20E+00	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.09	3.10E-01	2.95E+00	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	06/26/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.6	2.53E-01	2.85E+00	—	pCi/L	—	J	166076	GU060500GMC501	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.1	3.67E+00	3.10E+01	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.04	3.27E+00	3.14E+01	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.12	1.03E+00	1.10E+01	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.15	1.10E+00	1.10E+01	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	29.6	4.67E+00	3.50E+01	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.27	3.33E+00	3.40E+01	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.36	3.08E+00	2.89E+01	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00163	2.50E-03	2.30E-02	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00432	1.02E-03	4.14E-02	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.10E-03	2.60E-02	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00159	7.33E-04	2.10E-02	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.33E-04	2.80E-02	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0242	2.67E-03	3.10E-02	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00257	8.57E-04	4.92E-02	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00163	2.10E-03	2.80E-02	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00431	1.02E-03	3.80E-02	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	7.67E-04	3.60E-02	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00159	1.20E-03	2.20E-02	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	6.00E-04	3.40E-02	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0022	1.93E-03	3.70E-02	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.21E-03	4.52E-02	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-5.54	4.33E+00	4.20E+01	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	10.1	5.40E+00	3.23E+01	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.9	6.00E+00	7.20E+01	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	13.9	6.67E+00	7.00E+01	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	50.4	4.67E+00	5.50E+01	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.82	5.67E+00	5.80E+01	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.96	4.77E+00	4.54E+01	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.15	4.33E-01	3.10E+00	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.01	4.03E-01	3.07E+00	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.725	4.33E-01	5.00E+00	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.16	6.00E-01	5.30E+00	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.71	3.67E-01	3.10E+00	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.82	4.00E-01	3.40E+00	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.242	3.37E-01	2.78E+00	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.391	5.33E-02	4.80E-01	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.133	2.57E-02	3.10E-01	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.33	5.00E-02	4.70E-01	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.368	5.00E-02	4.70E-01	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.11	5.00E-02	4.90E-01	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0919	3.67E-02	3.90E-01	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0572	1.97E-02	2.08E-01	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	2320	8.67E+01	1.80E+02	—	pCi/L	—	—	12-292	CAMO-12-1465	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	2370	8.33E+01	1.70E+02	—	pCi/L	—	—	11-2561	CAMO-11-10699	GELC
MCOI-5	689	11/15/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3290	1.13E+02	1.50E+02	—	pCi/L	—	—	11-531	CAMO-11-1253	GELC
MCOI-5	689	05/03/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3920	1.37E+02	1.60E+02	—	pCi/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	689	01/25/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3020	1.03E+02	1.70E+02	—	pCi/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.107	7.00E-03	1.00E-01	—	pCi/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0871	7.90E-03	4.46E-02	—	pCi/L	—	J	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0809	6.33E-03	7.10E-02	—	pCi/L	—	—	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.126	7.00E-03	6.80E-02	—	pCi/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0873	5.67E-03	8.20E-02	—	pCi/L	—	—	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.121	5.00E-03	5.10E-02	—	pCi/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.111	8.07E-03	4.49E-02	—	pCi/L	—	J	192433	GU070800GMC501	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0111	2.77E-03	5.50E-02	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00874	3.30E-03	3.81E-02	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0104	3.07E-03	3.70E-02	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0163	2.47E-03	4.10E-02	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00264	1.97E-03	4.00E-02	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0166	2.07E-03	2.70E-02	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0155	3.57E-03	3.84E-02	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	08/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0418	4.00E-03	5.40E-02	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	689	08/23/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.00498	4.97E-03	5.96E-02	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.028	3.03E-03	3.10E-02	—	pCi/L	U	U	12-292	CAMO-12-1465	GELC
MCOI-5	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0976	6.00E-03	4.70E-02	—	pCi/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0214	4.67E-03	4.00E-02	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0492	3.07E-03	2.70E-02	—	pCi/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0141	4.60E-03	6.00E-02	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	689	11/08/11	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	5.19	—	—	3.30E+00	µg/L	J	J	12-292	CAMO-12-1465	GELC
MCOI-5	689	05/26/11	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	4.76	—	—	2.00E+00	µg/L	J	J	11-2561	CAMO-11-10699	GELC
MCOI-5	689	11/15/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	9.09	—	—	2.00E+00	µg/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	689	05/03/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	8.74	—	—	2.10E+00	µg/L	J	J	10-3006	CAMO-10-16735	GELC
MCOI-5	689	01/25/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	7.08	—	—	2.20E+00	µg/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	101	—	—	7.30E-01	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	101	—	—	7.30E-01	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	97.1	—	—	7.30E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.5	—	—	7.30E-01	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	93.5	—	—	7.30E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.658	—	—	6.60E-02	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.669	—	—	6.60E-02	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.633	—	—	6.60E-02	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.674	—	—	6.60E-02	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.657	—	—	6.60E-02	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.65	—	—	6.60E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	74.7	—	—	5.00E-02	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.6	—	—	5.00E-02	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.5	—	—	5.00E-02	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	73	—	—	5.00E-02	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.8	—	—	5.00E-02	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	75.5	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	11/09/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	72.6	—	—	5.00E-02	mg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.8	—	—	5.00E-02	mg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	73.3	—	—	5.00E-02	mg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.6	—	—	5.00E-02	mg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.9	—	—	5.00E-02	mg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.7	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	64.8	—	—	3.30E-01	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	64.6	—	—	3.30E-01	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	60.1	—	—	3.30E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	62.9	—	—	3.30E-01	mg/L	—	J+	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	56.3	—	—	6.60E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.6	—	—	3.30E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0029	—	—	1.50E-03	mg/L	J	J	12-312	CAMO-12-1471	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.50E-03	mg/L	U	U	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00186	—	—	1.50E-03	mg/L	J	J	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00208	—	—	1.70E-03	mg/L	J	J-	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.547	—	—	3.30E-02	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.539	—	—	3.30E-02	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.528	—	—	3.30E-02	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.562	—	—	3.30E-02	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.528	—	—	3.30E-02	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.556	—	—	3.30E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	248	—	—	4.50E-01	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	235	—	—	4.50E-01	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	233	—	—	4.50E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	242	—	—	4.50E-01	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	238	—	—	4.50E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	253	—	—	3.50E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	241	—	—	4.50E-01	mg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	238	—	—	4.50E-01	mg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	243	—	—	4.50E-01	mg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	234	—	—	4.50E-01	mg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	241	—	—	4.50E-01	mg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	237	—	—	3.50E-01	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	15	—	—	1.10E-01	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.2	—	—	1.10E-01	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.9	—	—	1.10E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.6	—	—	1.10E-01	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.8	—	—	1.10E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.7	—	—	8.50E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	14.5	—	—	1.10E-01	mg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.4	—	—	1.10E-01	mg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.6	—	—	1.10E-01	mg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.1	—	—	1.10E-01	mg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15	—	—	1.10E-01	mg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.7	—	—	8.50E-02	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	8.93	—	—	1.00E-01	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	8.76	—	—	1.00E-01	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.4	—	—	1.00E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	7.67	—	—	1.00E-01	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.4	—	—	2.50E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.95	—	—	5.00E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	63.1	—	—	5.00E+00	µg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	63.1	—	—	5.00E+00	µg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	71.2	—	—	5.00E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	72.2	—	—	5.00E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	71.7	—	—	1.00E+01	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	75.7	—	—	1.00E+01	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.27	—	—	1.00E-02	SU	H	J-	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.37	—	—	1.00E-02	SU	H	J-	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.23	—	—	1.00E-02	SU	H	J-	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.74	—	—	1.00E-02	SU	H	J-	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.34	—	—	1.00E-02	SU	H	J-	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.47	—	—	1.00E-02	SU	H	J-	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.11	—	—	5.00E-02	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.891	—	—	5.00E-02	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.07	—	—	5.00E-02	mg/L	—	J	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.99	—	—	5.00E-02	mg/L	—	J	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.816	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.19	—	—	5.00E-02	mg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.25	—	—	5.00E-02	mg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.851	—	—	5.00E-02	mg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.07	—	—	5.00E-02	mg/L	—	J	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.973	—	—	5.00E-02	mg/L	—	J	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.75	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	28.3	—	—	1.00E-01	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.8	—	—	1.00E-01	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.9	—	—	1.00E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.6	—	—	1.00E-01	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.1	—	—	1.00E-01	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.1	—	—	1.00E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	27.5	—	—	1.00E-01	mg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.2	—	—	1.00E-01	mg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.1	—	—	1.00E-01	mg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.6	—	—	1.00E-01	mg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.7	—	—	1.00E-01	mg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.5	—	—	1.00E-01	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	611	—	—	1.00E+00	µS/cm	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	608	—	—	1.00E+00	µS/cm	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	609	—	—	1.00E+00	µS/cm	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	611	—	—	1.00E+00	µS/cm	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	614	—	—	1.00E+00	µS/cm	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	618	—	—	1.00E+00	µS/cm	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	66.4	—	—	5.00E-01	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	66.1	—	—	5.00E-01	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	77.6	—	—	1.00E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	70.2	—	—	5.00E-01	mg/L	—	J+	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	67.2	—	—	1.00E+00	mg/L	—	—	11-1318	CAMO-11-4593	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	65.3	—	—	5.00E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	401	—	—	3.40E+00	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	417	—	—	3.40E+00	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	423	—	—	3.40E+00	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	410	—	—	2.40E+00	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	463	—	—	2.40E+00	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	451	—	—	2.40E+00	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.21	—	—	3.30E-01	mg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.21	—	—	3.30E-01	mg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.978	—	—	3.30E-01	mg/L	J	J	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.44	—	—	3.30E-01	mg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.17	—	—	3.30E-01	mg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.71	—	—	3.30E-01	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0409	—	—	1.50E-02	mg/L	J	J	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0398	—	—	1.50E-02	mg/L	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.139	—	—	1.50E-02	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0888	—	—	1.50E-02	mg/L	—	U	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.034	—	—	1.50E-02	mg/L	J	J	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.098	—	—	1.50E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	48.2	—	—	1.00E+00	µg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	46	—	—	1.00E+00	µg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	45.8	—	—	1.00E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	46.6	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	46.8	—	—	1.00E+00	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48	—	—	1.00E+00	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	46.9	—	—	1.00E+00	µg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	46.2	—	—	1.00E+00	µg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.4	—	—	1.00E+00	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	45.6	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.7	—	—	1.00E+00	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	45.2	—	—	1.00E+00	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	51.3	—	—	1.50E+01	µg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	49.6	—	—	1.50E+01	µg/L	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	48.8	—	—	1.50E+01	µg/L	J	J	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	48.7	—	—	1.50E+01	µg/L	J	J	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	44.7	—	—	1.50E+01	µg/L	J	J	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	47.4	—	—	1.50E+01	µg/L	J	J	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	50.6	—	—	1.50E+01	µg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	49.6	—	—	1.50E+01	µg/L	J	J	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	51.5	—	—	1.50E+01	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	55.4	—	—	1.50E+01	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	45.9	—	—	1.50E+01	µg/L	J	J	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.5	—	—	1.50E+01	µg/L	J	J	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	60.9	—	—	2.00E+00	µg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	61.8	—	—	2.00E+00	µg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	55.1	—	—	2.00E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	54.2	—	—	2.00E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	49.6	—	—	2.00E+00	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	65.5	—	—	2.50E+00	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	62.2	—	—	2.00E+00	µg/L	—	—	12-312	CAMO-12-1471	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	11/09/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	62.9	—	—	2.00E+00	µg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	58.8	—	—	2.00E+00	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	56.7	—	—	2.00E+00	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	54.2	—	—	2.00E+00	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	64.5	—	—	2.50E+00	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Metals	SW-846:6010B	Copper	—	13	—	—	3.00E+00	µg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13.2	—	—	3.00E+00	µg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13.4	—	—	3.00E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	16.2	—	—	3.00E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13.4	—	—	3.00E+00	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13	—	—	3.00E+00	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Metals	SW-846:6010B	Copper	—	15	—	—	3.00E+00	µg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.7	—	—	3.00E+00	µg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	18.1	—	—	3.00E+00	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	18.7	—	—	3.00E+00	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	16.2	—	—	3.00E+00	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.2	—	—	3.00E+00	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	4.06	—	—	2.00E+00	µg/L	J	J	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.07	—	—	2.00E+00	µg/L	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.64	—	—	2.00E+00	µg/L	J	J	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.81	—	—	2.00E+00	µg/L	J	J	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.67	—	—	2.00E+00	µg/L	J	J	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.76	—	—	2.00E+00	µg/L	J	J	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	4.02	—	—	2.00E+00	µg/L	J	J	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.98	—	—	2.00E+00	µg/L	J	J	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.78	—	—	2.00E+00	µg/L	J	J	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.74	—	—	2.00E+00	µg/L	J	J	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.03	—	—	2.00E+00	µg/L	J	J	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.94	—	—	2.00E+00	µg/L	J	J	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.39	—	—	1.70E-01	µg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.70E-01	µg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.70E-01	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.70E-01	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.5	—	—	1.70E-01	µg/L	—	U	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.43	—	—	1.00E-01	µg/L	—	J	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.36	—	—	1.70E-01	µg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.70E-01	µg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.70E-01	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.70E-01	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.57	—	—	1.70E-01	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.24	—	—	1.00E-01	µg/L	—	U	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	38.3	—	—	5.00E-01	µg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	39.9	—	—	5.00E-01	µg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	29.2	—	—	5.00E-01	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	32.5	—	—	5.00E-01	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	27.9	—	—	5.00E-01	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	34.4	—	—	5.00E-01	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	37	—	—	5.00E-01	µg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	37.8	—	—	5.00E-01	µg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	36	—	—	5.00E-01	µg/L	—	—	11-3152	CAMO-11-24630	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	31.9	—	—	5.00E-01	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	29.1	—	—	5.00E-01	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	29.6	—	—	5.00E-01	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	72.2	—	—	5.30E-02	mg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.6	—	—	5.30E-02	mg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.1	—	—	2.70E-01	mg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	5.30E-02	mg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.8	—	—	5.30E-02	mg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	5.30E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	339	—	—	1.00E+00	µg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	322	—	—	1.00E+00	µg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	310	—	—	1.00E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	326	—	—	1.00E+00	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	322	—	—	1.00E+00	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	330	—	—	1.00E+00	µg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	328	—	—	1.00E+00	µg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	325	—	—	1.00E+00	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	308	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	334	—	—	1.00E+00	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	302	—	—	1.00E+00	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.4	—	—	6.70E-02	µg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.39	—	—	6.70E-02	µg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	6.70E-02	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.34	—	—	6.70E-02	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	6.70E-02	µg/L	—	—	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.53	—	—	5.00E-02	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.4	—	—	6.70E-02	µg/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.41	—	—	6.70E-02	µg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	6.70E-02	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	6.70E-02	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	6.70E-02	µg/L	—	—	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.37	—	—	1.00E+00	µg/L	J	J	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	2.16	—	—	1.00E+00	µg/L	J	U	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.23	—	—	1.00E+00	µg/L	J	J	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.17	—	—	1.00E+00	µg/L	J	J	12-312	CAMO-12-1471	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.92	—	—	1.00E+00	µg/L	J	U	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.27	—	—	1.00E+00	µg/L	J	J	11-471	CAMO-11-1256	GELC
MCOI-6	686	11/09/11	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	39.3	—	—	3.30E+00	µg/L	—	—	12-312	CAMO-12-1472	GELC
MCOI-6	686	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	39.2	—	—	3.30E+00	µg/L	—	—	12-312	CAMO-12-1467	GELC
MCOI-6	686	08/10/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	27.5	—	—	3.30E+00	µg/L	—	—	11-3152	CAMO-11-24631	GELC
MCOI-6	686	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	35.1	—	—	3.30E+00	µg/L	—	—	11-2587	CAMO-11-10701	GELC
MCOI-6	686	02/09/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	34.1	—	—	3.30E+00	µg/L	—	J	11-1318	CAMO-11-4593	GELC
MCOI-6	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	33.7	—	—	3.30E+00	µg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	38.5	—	—	3.30E+00	µg/L	—	—	12-312	CAMO-12-1471	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	38.3	—	—	3.30E+00	µg/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	30.3	—	—	3.30E+00	µg/L	—	—	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	35.3	—	—	3.30E+00	µg/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	02/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	36	—	—	3.30E+00	µg/L	—	J	11-1318	CAMO-11-4592	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.2	—	—	3.30E+00	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00891	6.00E-03	3.60E-02	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.00202	1.50E-03	3.10E-02	—	pCi/L	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00226	2.00E-03	3.50E-02	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00106	2.10E-03	4.10E-02	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	1.03E-03	3.40E-02	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00668	1.27E-03	3.10E-02	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.19	5.00E-01	4.00E+00	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	0.68	2.60E-01	2.80E+00	—	pCi/L	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.46	5.00E-01	4.40E+00	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.84	5.67E-01	5.10E+00	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.362	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0224	4.67E-01	4.50E+00	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.484	5.00E-01	5.10E+00	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	-0.0279	2.87E-01	3.00E+00	—	pCi/L	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.05	3.27E-01	3.10E+00	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.33	5.67E-01	4.60E+00	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.42	4.33E-01	4.90E+00	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.8	5.33E-01	4.50E+00	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	08/13/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.55	1.55E-01	1.66E+00	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.121	1.90E-01	2.50E+00	—	pCi/L	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.11	3.33E-01	2.60E+00	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.55	4.00E-01	2.90E+00	—	pCi/L	—	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.103	1.63E-01	2.10E+00	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/13/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.402	2.63E-01	2.97E+00	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	686	08/13/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.7	3.33E-01	2.88E+00	—	pCi/L	—	J	191539	GF070800GMC601	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	1.32	2.70E-01	2.60E+00	—	pCi/L	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.2	2.67E-01	2.30E+00	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.14	3.33E-01	2.90E+00	—	pCi/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.91	3.10E-01	2.90E+00	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/13/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.37	3.20E-01	2.53E+00	—	pCi/L	—	J	191539	GU070800GMC601	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.9	3.33E+00	3.00E+01	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	0.776	5.33E-01	5.70E+00	—	pCi/L	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.0677	4.33E-01	4.40E+00	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.13	1.07E+00	1.00E+01	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.5	3.67E+00	3.80E+01	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.3	3.33E+00	3.40E+01	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00213	1.23E-03	3.00E-02	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-0.00206	9.67E-04	2.30E-02	—	pCi/L	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.33E-04	2.80E-02	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.87E-03	2.70E-02	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00366	8.67E-04	3.20E-02	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.00E-03	3.00E-02	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00426	1.43E-03	3.60E-02	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.00412	1.20E-03	3.20E-02	—	pCi/L	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	8.29E-10	1.67E-03	3.90E-02	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00815	1.93E-03	2.80E-02	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00365	1.50E-03	3.60E-02	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.00E-03	3.70E-02	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-38.3	6.00E+00	5.50E+01	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-31.8	4.00E+00	3.50E+01	—	pCi/L	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.6	4.33E+00	3.40E+01	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.4	6.33E+00	6.60E+01	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-19.1	5.67E+00	5.80E+01	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.9	6.00E+00	5.10E+01	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.09	5.00E-01	4.60E+00	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	0.368	2.73E-01	3.00E+00	—	pCi/L	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.371	2.40E-01	2.70E+00	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.28	5.00E-01	5.40E+00	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.34	4.00E-01	4.20E+00	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.622	4.00E-01	3.80E+00	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0763	1.63E-02	1.60E-01	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.257	4.00E-02	4.80E-01	—	pCi/L	U	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.339	5.00E-02	4.90E-01	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0848	3.23E-02	4.10E-01	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0337	2.50E-02	2.60E-01	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0728	2.50E-02	2.60E-01	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	EPA:906.0	Tritium	—	4180	1.47E+02	1.80E+02	—	pCi/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	4280	1.50E+02	1.80E+02	—	pCi/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	4280	1.43E+02	1.80E+02	—	pCi/L	—	—	11-2587	CAMO-11-10700	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	5240	1.77E+02	2.00E+02	—	pCi/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	05/11/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	6680	2.23E+02	1.80E+02	—	pCi/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	686	01/26/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	7000	2.60E+02	5.40E+02	—	pCi/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.639	2.43E-02	1.90E-01	—	pCi/L	—	—	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	1.11	3.30E-02	7.50E-02	—	pCi/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.06	3.17E-02	7.50E-02	—	pCi/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.982	2.90E-02	7.00E-02	—	pCi/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.751	2.47E-02	1.20E-01	—	pCi/L	—	—	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.655	2.30E-02	1.50E-01	—	pCi/L	—	—	08-1657	CAMO-08-14500	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0131	3.10E-03	1.00E-01	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0439	5.00E-03	3.90E-02	—	pCi/L	—	U	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0367	4.33E-03	4.00E-02	—	pCi/L	U	U	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0541	5.00E-03	4.20E-02	—	pCi/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0078	3.20E-03	5.80E-02	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0163	4.00E-03	8.60E-02	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	686	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.375	1.73E-02	9.50E-02	—	pCi/L	—	—	08-1657	CAMO-08-14501	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.412	1.53E-02	3.30E-02	—	pCi/L	—	—	12-312	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.428	1.60E-02	3.30E-02	—	pCi/L	—	—	12-312	CAMO-12-1468	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.432	1.53E-02	4.90E-02	—	pCi/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.325	1.37E-02	5.80E-02	—	pCi/L	—	—	09-2970	CAMO-09-9533	GELC
MCOI-6	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.233	1.20E-02	7.90E-02	—	pCi/L	—	—	08-1657	CAMO-08-14500	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	SVOA	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	3.39	—	—	3.20E+00	µg/L	J	J	12-313	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	SVOA	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	3.36	—	—	3.10E+00	µg/L	J	J	12-313	CAMO-12-1468	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	SVOA	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	10	—	—	2.00E+00	µg/L	U	U	11-2587	CAMO-11-10700	GELC
MCOI-6	686	05/31/11	WG	UF	RE	—	SVOA	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	11.1	—	—	2.20E+00	µg/L	U	R	11-2587	CAMO-11-10700	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	SVOA	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	2.3	—	—	2.20E+00	µg/L	J	J	11-471	CAMO-11-1256	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	686	05/11/10	WG	UF	CS	—	SVOA	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	2.36	—	—	2.00E+00	µg/L	J	J	10-3131	CAMO-10-16737	GELC
MCOI-6	686	01/26/10	WG	UF	CS	—	SVOA	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	12.7	—	—	2.50E+00	µg/L	U	U	10-1441	CAMO-10-9319	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	SVOA	SW-846:8270C	Dioxane[1,4-]	—	12.1	—	—	3.20E+00	µg/L	—	—	12-313	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	12.1	—	—	3.10E+00	µg/L	—	—	12-313	CAMO-12-1468	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	9.83	—	—	2.00E+00	µg/L	J	J-	11-2587	CAMO-11-10700	GELC
MCOI-6	686	05/31/11	WG	UF	RE	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	10.8	—	—	2.20E+00	µg/L	J	J	11-2587	CAMO-11-10700	GELC
MCOI-6	686	11/10/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	11.5	—	—	2.20E+00	µg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	686	05/11/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	15.6	—	—	2.00E+00	µg/L	—	J	10-3131	CAMO-10-16737	GELC
MCOI-6	686	01/26/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	20.9	—	—	2.50E+00	µg/L	—	J	10-1441	CAMO-10-9319	GELC
MCOI-6	686	11/09/11	WG	UF	CS	FD	VOA	SW-846:8260B	Chloroform	—	0.35	—	—	2.50E-01	µg/L	J	J	12-313	CAMO-12-1471	GELC
MCOI-6	686	11/09/11	WG	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	0.34	—	—	2.50E-01	µg/L	J	J	12-313	CAMO-12-1468	GELC
MCOI-6	686	08/10/11	WG	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	0.32	—	—	2.50E-01	µg/L	J	J	11-3152	CAMO-11-24630	GELC
MCOI-6	686	05/31/11	WG	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	0.3	—	—	2.50E-01	µg/L	J	J	11-2587	CAMO-11-10700	GELC
MCOI-6	686	07/06/10	WG	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	0.27	—	—	2.50E-01	µg/L	J	J	10-3589	CAMO-10-22837	GELC
MCOI-6	686	01/26/10	WG	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	0.285	—	—	2.50E-01	µg/L	J	J	10-1441	CAMO-10-9319	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.1	—	—	7.30E-01	mg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.1	—	—	7.30E-01	mg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.9	—	—	7.30E-01	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.7	—	—	7.30E-01	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.5	—	—	7.30E-01	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.7	—	—	7.30E-01	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.2	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	5.00E-02	mg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	1.82	—	—	6.60E-02	mg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.8	—	—	6.60E-02	mg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.9	—	—	6.60E-02	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.99	—	—	6.60E-02	mg/L	—	J+	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.77	—	—	6.60E-02	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.8	—	—	6.60E-02	mg/L	—	J+	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.179	—	—	3.30E-02	mg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.169	—	—	3.30E-02	mg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.164	—	—	3.30E-02	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.194	—	—	3.30E-02	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.16	—	—	3.30E-02	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.184	—	—	3.30E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	43.8	—	—	4.50E-01	mg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.6	—	—	4.50E-01	mg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.5	—	—	4.50E-01	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	4.50E-01	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	4.50E-01	mg/L	—	—	11-1348	CAMO-11-4638	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.3	—	—	3.50E-01	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	45.1	—	—	4.50E-01	mg/L	—	—	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.5	—	—	4.50E-01	mg/L	—	—	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.7	—	—	4.50E-01	mg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.3	—	—	4.50E-01	mg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.9	—	—	4.50E-01	mg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.4	—	—	3.50E-01	mg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.78	—	—	1.10E-01	mg/L	—	J	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	1.10E-01	mg/L	—	J	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.19	—	—	1.10E-01	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.96	—	—	1.10E-01	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	1.10E-01	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	8.50E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	1.10E-01	mg/L	—	J	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.13	—	—	1.10E-01	mg/L	—	J	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	1.10E-01	mg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	1.10E-01	mg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.91	—	—	1.10E-01	mg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.316	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.304	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.316	—	—	5.00E-02	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.375	—	—	5.00E-02	mg/L	—	J+	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.311	—	—	5.00E-02	mg/L	—	J-	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.327	—	—	5.00E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.343	—	—	5.00E-02	µg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.349	—	—	5.00E-02	µg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.334	—	—	5.00E-02	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.386	—	—	5.00E-02	µg/L	—	J	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.368	—	—	5.00E-02	µg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.34	—	—	5.00E-02	µg/L	—	J	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.67	—	—	1.00E-02	SU	H	J-	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.48	—	—	1.00E-02	SU	H	J-	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.41	—	—	1.00E-02	SU	H	J-	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.67	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.8	—	—	5.00E-02	mg/L	—	J	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	J	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.85	—	—	5.00E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.76	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.72	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.72	—	—	5.00E-02	mg/L	—	J	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.85	—	—	5.00E-02	mg/L	—	J	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	—	12-384	CAMO-12-1478	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	1.00E-01	mg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	1.00E-01	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	12	—	—	1.00E-01	mg/L	—	—	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	µS/cm	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	µS/cm	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	142	—	—	1.00E+00	µS/cm	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	2.3	—	—	1.00E-01	mg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.29	—	—	1.00E-01	mg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.26	—	—	1.00E-01	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.5	—	—	1.00E-01	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.47	—	—	1.00E-01	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.49	—	—	1.00E-01	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	3.40E+00	mg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	120	—	—	3.40E+00	mg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	3.40E+00	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	139	—	—	2.40E+00	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	2.40E+00	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	135	—	—	2.40E+00	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0316	—	—	1.50E-02	mg/L	J	J	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.257	—	—	1.50E-02	mg/L	—	J	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0337	—	—	1.50E-02	mg/L	J	U	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.04	—	—	1.50E-02	mg/L	J	J	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.046	—	—	1.50E-02	mg/L	J	U	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Metals	SW-846:6020	Antimony	—	1.05	—	—	1.00E+00	µg/L	J	J	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	1.11	—	—	1.00E+00	µg/L	J	J	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	1.00E+00	µg/L	U	U	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	1.00E+00	µg/L	U	U	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	1.00E+00	µg/L	U	U	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	µg/L	U	U	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Metals	SW-846:6020	Antimony	—	1.14	—	—	1.00E+00	µg/L	J	J	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	1.14	—	—	1.00E+00	µg/L	J	J	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	1.45	—	—	1.00E+00	µg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	1.05	—	—	1.00E+00	µg/L	J	J	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	1.00E+00	µg/L	U	U	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	µg/L	U	U	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	14.3	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.6	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.4	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.6	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10748	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.2	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.3	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	14.9	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.1	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.4	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.6	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.4	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	5.49	—	—	2.00E+00	µg/L	J	J	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.46	—	—	2.00E+00	µg/L	J	J	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.75	—	—	2.00E+00	µg/L	J	J	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.37	—	—	2.00E+00	µg/L	J	J	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.9	—	—	2.00E+00	µg/L	J	J	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.69	—	—	2.50E+00	µg/L	J	J	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	4.72	—	—	2.00E+00	µg/L	J	J	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.72	—	—	2.00E+00	µg/L	J	J	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.71	—	—	2.00E+00	µg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.83	—	—	2.00E+00	µg/L	J	J	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.72	—	—	2.00E+00	µg/L	J	J	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.83	—	—	2.50E+00	µg/L	J	J	11-499	CAMO-11-1262	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.51	—	—	3.00E+00	µg/L	J	J	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.16	—	—	3.00E+00	µg/L	J	J	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Metals	SW-846:6010B	Copper	—	4.49	—	—	3.00E+00	µg/L	J	J	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.02	—	—	3.00E+00	µg/L	J	J	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	8.61	—	—	3.00E+00	µg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.66	—	—	3.00E+00	µg/L	J	J	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.19	—	—	3.00E+00	µg/L	J	J	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-499	CAMO-11-1262	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Metals	SW-846:6020	Lead	—	0.981	—	—	5.00E-01	µg/L	J	J	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.02	—	—	5.00E-01	µg/L	J	J	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.34	—	—	5.00E-01	µg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.01	—	—	5.00E-01	µg/L	J	J	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	2.94	—	—	2.00E+00	µg/L	J	J	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.24	—	—	2.00E+00	µg/L	J	J	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.89	—	—	2.00E+00	µg/L	J	J	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.98	—	—	2.00E+00	µg/L	J	J	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	3.32	—	—	2.00E+00	µg/L	J	J	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.91	—	—	2.00E+00	µg/L	J	J	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.44	—	—	2.00E+00	µg/L	J	J	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.82	—	—	2.00E+00	µg/L	J	J	11-2615	CAMO-11-10747	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.46	—	—	1.70E-01	µg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.44	—	—	1.70E-01	µg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.01	—	—	1.70E-01	µg/L	—	U	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.70E-01	µg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.70E-01	µg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	1.00E-01	µg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.44	—	—	1.70E-01	µg/L	—	—	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.70E-01	µg/L	—	—	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	1.70E-01	µg/L	—	U	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.70E-01	µg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.70E-01	µg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.00E-01	µg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	17.5	—	—	5.00E-01	µg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.7	—	—	5.00E-01	µg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	8.19	—	—	5.00E-01	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.12	—	—	5.00E-01	µg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	8.41	—	—	5.00E-01	µg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	12.9	—	—	5.00E-01	µg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	17.3	—	—	5.00E-01	µg/L	—	—	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.5	—	—	5.00E-01	µg/L	—	—	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.52	—	—	5.00E-01	µg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	10.2	—	—	5.00E-01	µg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.19	—	—	5.00E-01	µg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	13.2	—	—	5.00E-01	µg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	72.7	—	—	5.30E-02	mg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.5	—	—	5.30E-02	mg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.9	—	—	5.30E-02	mg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.3	—	—	5.30E-02	mg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.7	—	—	5.30E-02	mg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.9	—	—	5.30E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	50.6	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.4	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.3	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.6	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.1	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	52.2	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.1	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.1	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.6	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.8	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.2	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.759	—	—	6.70E-02	µg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.78	—	—	6.70E-02	µg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.487	—	—	6.70E-02	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.633	—	—	6.70E-02	µg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.872	—	—	6.70E-02	µg/L	N	J+	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.14	—	—	5.00E-02	µg/L	—	—	11-499	CAMO-11-1260	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1031.1	11/18/11	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.728	—	—	6.70E-02	µg/L	—	—	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.718	—	—	6.70E-02	µg/L	—	—	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.518	—	—	6.70E-02	µg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.686	—	—	6.70E-02	µg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.876	—	—	6.70E-02	µg/L	N	J+	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.09	—	—	5.00E-02	µg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	7.18	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1478	GELC
R-1	1031.1	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.18	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1475	GELC
R-1	1031.1	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.57	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24661	GELC
R-1	1031.1	06/03/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10748	GELC
R-1	1031.1	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.36	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4638	GELC
R-1	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.98	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1476	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.11	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1474	GELC
R-1	1031.1	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.19	—	—	1.00E+00	µg/L	—	—	11-3001	CAMO-11-24660	GELC
R-1	1031.1	06/03/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1.00E+00	µg/L	—	—	11-2615	CAMO-11-10747	GELC
R-1	1031.1	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.74	—	—	1.00E+00	µg/L	—	—	11-1348	CAMO-11-4636	GELC
R-1	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.94	—	—	1.00E+00	µg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0382	2.70E-02	3.10E-01	—	pCi/L	U	U	12-384	CAMO-12-1474	GELC
R-1	1031.1	02/11/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0904	2.30E-02	2.30E-01	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.0738	2.97E-02	4.00E-01	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.13	9.67E-02	5.80E-01	—	pCi/L	—	—	08-1699	CAMO-08-14505	GELC
R-1	1031.1	02/22/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.185	5.67E-02	6.00E-01	—	pCi/L	U	U	08-685	CAMO-08-10452	GELC
R-1	1031.1	11/18/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.525	5.33E-02	4.00E-01	—	pCi/L	—	—	12-384	CAMO-12-1474	GELC
R-1	1031.1	02/11/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.948	1.07E-01	8.20E-01	—	pCi/L	—	U	10-1817	CAMO-10-9329	GELC
R-1	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.879	8.67E-02	6.40E-01	—	pCi/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.42	5.33E-02	4.40E-01	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1031.1	02/22/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.804	8.00E-02	5.90E-01	—	pCi/L	—	—	08-685	CAMO-08-10452	GELC
R-1	1031.1	11/18/11	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.37	2.37E-01	2.42E+00	—	pCi/L	U	U	12-436	CAMO-12-1476	ARSL
R-1	1031.1	11/18/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.61	2.23E-01	2.31E+00	—	pCi/L	U	U	12-436	CAMO-12-1474	ARSL
R-1	1031.1	06/03/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.6386	2.55E-01	2.59E+00	—	pCi/L	U	U	11-2628	CAMO-11-10747	ARSL
R-1	1031.1	11/12/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	23.56434	1.22E+00	2.33E+00	—	pCi/L	—	R	11-564	CAMO-11-1262	ARSL
R-1	1031.1	11/12/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.41509	2.34E-01	2.33E+00	—	pCi/L	U	U	11-564	CAMO-11-1262	ARSL
R-1	1031.1	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	9.58E-02	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9329	UMTL
R-1	1031.1	08/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.12772	9.58E-02	2.87E-01	—	pCi/L	U	U	09-2930	CAMO-09-9549	UMTL
R-11	855	11/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.1	—	—	7.30E-01	mg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.9	—	—	7.30E-01	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.6	—	—	7.30E-01	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.1	—	—	7.30E-01	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.3	—	—	7.30E-01	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.11	—	—	6.60E-02	mg/L	J	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.108	—	—	6.60E-02	mg/L	J	J	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.123	—	—	6.60E-02	mg/L	J	J	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0902	—	—	6.60E-02	mg/L	J	J	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0736	—	—	6.60E-02	mg/L	J	J	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.8	—	—	5.00E-02	mg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	5.00E-02	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23	—	—	5.00E-02	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.5	—	—	5.00E-02	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1370	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23	—	—	5.00E-02	mg/L	—	—	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.7	—	—	5.00E-02	mg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.2	—	—	5.00E-02	mg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.5	—	—	5.00E-02	mg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.5	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.62	—	—	6.60E-02	mg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.05	—	—	6.60E-02	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.36	—	—	6.60E-02	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.11	—	—	6.60E-02	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.66	—	—	6.60E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.53	—	—	3.30E-02	mg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.359	—	—	3.30E-02	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.41	—	—	3.30E-02	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.422	—	—	3.30E-02	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.354	—	—	3.30E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.8	—	—	4.50E-01	mg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.9	—	—	4.50E-01	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83	—	—	4.50E-01	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.5	—	—	4.50E-01	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.8	—	—	3.50E-01	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.6	—	—	4.50E-01	mg/L	—	—	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.3	—	—	4.50E-01	mg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	83.6	—	—	4.50E-01	mg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.6	—	—	4.50E-01	mg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.3	—	—	3.50E-01	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.34	—	—	1.10E-01	mg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.1	—	—	1.10E-01	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.21	—	—	1.10E-01	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.14	—	—	1.10E-01	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.99	—	—	8.50E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.12	—	—	1.10E-01	mg/L	—	—	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6	—	—	1.10E-01	mg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.23	—	—	1.10E-01	mg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.14	—	—	1.10E-01	mg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.11	—	—	8.50E-02	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.27	—	—	5.00E-02	mg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.15	—	—	1.00E-01	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.95	—	—	5.00E-02	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.6	—	—	1.00E-01	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.89	—	—	1.00E-01	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.55	—	—	2.00E-01	µg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.862	—	—	5.00E-02	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.835	—	—	5.00E-02	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.822	—	—	5.00E-02	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.812	—	—	5.00E-02	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.53	—	—	1.00E-02	SU	H	J-	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.08	—	—	1.00E-02	SU	H	J-	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.87	—	—	1.00E-02	SU	H	J-	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	11-492	CASA-11-1370	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.6	—	—	5.00E-02	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.6	—	—	5.00E-02	mg/L	—	J	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.57	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	J	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	J	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.62	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	1.00E-01	mg/L	—	—	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	1.00E-01	mg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	1.00E-01	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	192	—	—	1.00E+00	µS/cm	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	217	—	—	1.00E+00	µS/cm	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	222	—	—	1.00E+00	µS/cm	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	209	—	—	1.00E+00	µS/cm	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	218	—	—	1.00E+00	µS/cm	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.71	—	—	1.00E-01	mg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.45	—	—	1.00E-01	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.6	—	—	1.00E-01	mg/L	—	J+	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.56	—	—	1.00E-01	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.18	—	—	1.00E-01	mg/L	—	J+	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	164	—	—	3.40E+00	mg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	169	—	—	3.40E+00	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	189	—	—	2.40E+00	mg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	201	—	—	2.40E+00	mg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	205	—	—	2.40E+00	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0394	—	—	1.50E-02	mg/L	J	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0836	—	—	1.50E-02	mg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0313	—	—	1.50E-02	mg/L	J	U	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.068	—	—	1.50E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36	—	—	1.00E+00	µg/L	—	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.1	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.4	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.4	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.6	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.3	—	—	1.00E+00	µg/L	—	J	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.1	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.8	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.3	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.1	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1371	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.6	—	—	1.50E+01	µg/L	J	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	29.5	—	—	1.50E+01	µg/L	J	J	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	32.6	—	—	1.50E+01	µg/L	J	J	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.4	—	—	1.50E+01	µg/L	J	J	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.6	—	—	1.50E+01	µg/L	J	J	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	29.7	—	—	1.50E+01	µg/L	J	J	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	29.4	—	—	1.50E+01	µg/L	J	J	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	33.1	—	—	1.50E+01	µg/L	J	J	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.3	—	—	1.50E+01	µg/L	J	J	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.9	—	—	1.50E+01	µg/L	J	J	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	19.1	—	—	2.00E+00	µg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.2	—	—	2.00E+00	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.2	—	—	2.00E+00	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.00E+00	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16	—	—	2.50E+00	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.4	—	—	2.00E+00	µg/L	—	—	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.3	—	—	2.00E+00	µg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.8	—	—	2.00E+00	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.3	—	—	2.00E+00	µg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.5	—	—	2.50E+00	µg/L	—	—	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.55	—	—	1.70E-01	µg/L	—	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.57	—	—	1.70E-01	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.49	—	—	1.70E-01	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.56	—	—	1.70E-01	µg/L	—	J	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	2.39	—	—	1.00E-01	µg/L	—	U	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.70E-01	µg/L	—	J	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.53	—	—	1.70E-01	µg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.45	—	—	1.70E-01	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.55	—	—	1.70E-01	µg/L	—	J	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.52	—	—	1.00E-01	µg/L	—	J	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.8	—	—	5.30E-02	µg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.6	—	—	5.30E-02	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.2	—	—	5.30E-02	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.6	—	—	5.30E-02	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.7	—	—	5.30E-02	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.7	—	—	1.00E+00	µg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	89.7	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	87.6	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	89.7	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	89.1	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	89.7	—	—	1.00E+00	µg/L	—	—	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	87.4	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	88.3	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	89.9	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	90.5	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.748	—	—	6.70E-02	µg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.623	—	—	6.70E-02	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.761	—	—	6.70E-02	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.814	—	—	6.70E-02	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.846	—	—	5.00E-02	µg/L	—	—	11-492	CASA-11-1370	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	855	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.745	—	—	6.70E-02	µg/L	—	—	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.585	—	—	6.70E-02	µg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.747	—	—	6.70E-02	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.848	—	—	6.70E-02	µg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.847	—	—	5.00E-02	µg/L	—	—	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	µg/L	—	J	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.79	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.82	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.96	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.01	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.12	—	—	1.00E+00	µg/L	—	J	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.56	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.77	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.96	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	52.9	—	—	3.30E+00	µg/L	—	—	12-366	CASA-12-1380	GELC
R-11	855	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.48	—	—	3.30E+00	µg/L	J	J	11-3193	CASA-11-24779	GELC
R-11	855	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.01	—	—	3.30E+00	µg/L	J	J	11-2498	CASA-11-10810	GELC
R-11	855	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.87	—	—	3.30E+00	µg/L	J	J	11-1456	CASA-11-4559	GELC
R-11	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.64	—	—	3.30E+00	µg/L	J	J	11-492	CASA-11-1370	GELC
R-11	855	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.54	—	—	3.30E+00	µg/L	J	J	12-366	CASA-12-1379	GELC
R-11	855	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.83	—	—	3.30E+00	µg/L	J	J	11-3193	CASA-11-24778	GELC
R-11	855	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.87	—	—	3.30E+00	µg/L	J	J	11-2498	CASA-11-10811	GELC
R-11	855	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.52	—	—	3.30E+00	µg/L	J	J	11-1456	CASA-11-4560	GELC
R-11	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.2	—	—	3.30E+00	µg/L	—	—	11-492	CASA-11-1371	GELC
R-11	855	11/16/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.348	5.00E-02	4.00E-01	—	pCi/L	U	U	12-366	CASA-12-1379	GELC
R-11	855	01/29/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.288	3.67E-02	2.20E-01	—	pCi/L	—	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.178	4.00E-02	3.90E-01	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.267	4.00E-02	3.70E-01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	855	02/06/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.333	4.00E-02	3.40E-01	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	855	11/16/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.763	8.00E-02	6.50E-01	—	pCi/L	—	—	12-366	CASA-12-1379	GELC
R-11	855	01/29/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.318	8.00E-02	7.90E-01	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	855	08/10/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.862	9.67E-02	7.60E-01	—	pCi/L	—	—	09-2826	CASA-09-10366	GELC
R-11	855	08/11/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0307	5.00E-02	5.60E-01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	855	02/06/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.465	5.67E-02	4.60E-01	—	pCi/L	—	U	08-591	CASA-08-10545	GELC
R-11	855	11/16/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.02	3.30E-01	2.42E+00	—	pCi/L	—	—	12-414	CASA-12-1379	ARSL
R-11	855	05/23/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	3.77	2.98E-01	2.08E+00	—	pCi/L	—	—	11-2519	CASA-11-10811	ARSL
R-11	855	11/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	44.35	2.26E+00	2.30E+00	—	pCi/L	—	R	11-556	CASA-11-1371	ARSL
R-11	855	11/11/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	5.36	3.73E-01	2.30E+00	—	pCi/L	—	—	11-556	CASA-11-1371	ARSL
R-11	855	05/05/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.99	3.09E-01	2.20E+00	—	pCi/L	—	R	10-3122	CASA-10-16778	ARSL
R-11	855	05/05/10	WG	UF	DUP	—	Rad	LLEE	Tritium	<	4.60	3.30E-01	2.20E+00	—	pCi/L	—	R	10-3122	CASA-10-16778	ARSL
R-11	855	05/05/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	4.64	3.33E-01	2.22E+00	—	pCi/L	—	—	10-3122	CASA-10-16778	ARSL
R-11	855	01/29/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.25	9.58E-02	2.87E-01	—	pCi/L	—	—	10-1599	CASA-10-9459	UMTL
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.5	—	—	7.30E-01	mg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.2	—	—	7.30E-01	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.4	—	—	7.30E-01	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59	—	—	7.30E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.6	—	—	7.30E-01	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.4	—	—	5.00E-02	mg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	11-2987	CAMO-11-24634	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.6	—	—	5.00E-02	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.1	—	—	5.00E-02	mg/L	—	—	12-421	CAMO-12-1480	GELC
R-13	958.3	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	958.3	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	958.3	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	958.3	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.34	—	—	6.60E-02	mg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.33	—	—	6.60E-02	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.3	—	—	6.60E-02	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.27	—	—	6.60E-02	mg/L	—	J	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.25	—	—	6.60E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.275	—	—	3.30E-02	mg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.274	—	—	3.30E-02	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.32	—	—	3.30E-02	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.252	—	—	3.30E-02	mg/L	—	J-	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.247	—	—	3.30E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	50.2	—	—	4.50E-01	mg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.6	—	—	4.50E-01	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51	—	—	4.50E-01	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48	—	—	4.50E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.4	—	—	3.50E-01	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	49	—	—	4.50E-01	mg/L	—	—	12-421	CAMO-12-1480	GELC
R-13	958.3	08/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.2	—	—	4.50E-01	mg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	958.3	05/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.3	—	—	4.50E-01	mg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	958.3	02/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.3	—	—	4.50E-01	mg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	958.3	11/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.2	—	—	3.50E-01	mg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.46	—	—	1.10E-01	mg/L	—	J	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.39	—	—	1.10E-01	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.59	—	—	1.10E-01	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	1.10E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.26	—	—	8.50E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.37	—	—	1.10E-01	mg/L	—	J	12-421	CAMO-12-1480	GELC
R-13	958.3	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.41	—	—	1.10E-01	mg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	958.3	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.21	—	—	1.10E-01	mg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	958.3	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	1.10E-01	mg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	958.3	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.24	—	—	8.50E-02	mg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.755	—	—	5.00E-02	mg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.053	—	—	1.00E-02	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.73	—	—	5.00E-02	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.813	—	—	1.00E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.74	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.418	—	—	5.00E-02	µg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.404	—	—	5.00E-02	µg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.426	—	—	5.00E-02	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.416	—	—	5.00E-02	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.412	—	—	5.00E-02	µg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.32	—	—	1.00E-02	SU	H	J-	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.28	—	—	1.00E-02	SU	H	J-	11-2987	CAMO-11-24634	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.4	—	—	5.00E-02	mg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	12-421	CAMO-12-1480	GELC
R-13	958.3	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	958.3	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.18	—	—	5.00E-02	mg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	958.3	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	958.3	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10	—	—	1.00E-01	mg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10	—	—	1.00E-01	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.9	—	—	1.00E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.78	—	—	1.00E-01	mg/L	—	—	12-421	CAMO-12-1480	GELC
R-13	958.3	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.87	—	—	1.00E-01	mg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	958.3	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.33	—	—	1.00E-01	mg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	958.3	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.99	—	—	1.00E-01	mg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	958.3	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.97	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	µS/cm	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	µS/cm	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.18	—	—	1.00E-01	mg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.98	—	—	1.00E-01	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.93	—	—	1.00E-01	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.11	—	—	1.00E-01	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.96	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	124	—	—	3.40E+00	mg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	131	—	—	3.40E+00	mg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	137	—	—	2.40E+00	mg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	131	—	—	2.40E+00	mg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0217	—	—	1.50E-02	mg/L	J	J	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.171	—	—	1.50E-02	mg/L	—	J	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.113	—	—	1.50E-02	mg/L	—	U	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.02	—	—	1.50E-02	mg/L	J	U	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.093	—	—	1.50E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.5	—	—	1.00E+00	µg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	µg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.4	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.2	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.8	—	—	1.00E+00	µg/L	—	—	12-421	CAMO-12-1480	GELC
R-13	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.7	—	—	1.00E+00	µg/L	—	—	11-2987	CAMO-11-24633	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.1	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.9	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.98	—	—	2.00E+00	µg/L	J	J	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.24	—	—	2.00E+00	µg/L	J	J	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.62	—	—	2.00E+00	µg/L	J	J	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.33	—	—	2.00E+00	µg/L	J	J	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.07	—	—	2.50E+00	µg/L	J	J	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.93	—	—	2.00E+00	µg/L	J	J	12-421	CAMO-12-1480	GELC
R-13	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.26	—	—	2.00E+00	µg/L	J	J	11-2987	CAMO-11-24633	GELC
R-13	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.54	—	—	2.00E+00	µg/L	J	J	11-2553	CAMO-11-10703	GELC
R-13	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.72	—	—	2.00E+00	µg/L	J	J	11-1406	CAMO-11-4595	GELC
R-13	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.29	—	—	2.50E+00	µg/L	J	J	11-451	CAMO-11-1269	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.70E-01	µg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.939	—	—	1.70E-01	µg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.70E-01	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.70E-01	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.36	—	—	1.00E-01	µg/L	—	U	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.70E-01	µg/L	—	—	12-421	CAMO-12-1480	GELC
R-13	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.95	—	—	1.70E-01	µg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.70E-01	µg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.05	—	—	1.70E-01	µg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.37	—	—	1.00E-01	µg/L	—	U	11-451	CAMO-11-1269	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.2	—	—	5.30E-02	µg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.6	—	—	5.30E-02	µg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.2	—	—	5.30E-02	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.8	—	—	5.30E-02	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.9	—	—	5.30E-02	µg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1.00E+00	µg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.8	—	—	1.00E+00	µg/L	—	—	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.6	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.5	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.2	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.7	—	—	1.00E+00	µg/L	—	—	12-421	CAMO-12-1480	GELC
R-13	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.2	—	—	1.00E+00	µg/L	—	—	11-2987	CAMO-11-24633	GELC
R-13	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.1	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.1	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.436	—	—	6.70E-02	µg/L	—	—	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.436	—	—	6.70E-02	µg/L	—	J	11-2987	CAMO-11-24634	GELC
R-13	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.398	—	—	6.70E-02	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.405	—	—	6.70E-02	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.441	—	—	5.00E-02	µg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.455	—	—	6.70E-02	µg/L	—	—	12-421	CAMO-12-1480	GELC
R-13	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.46	—	—	6.70E-02	µg/L	—	J	11-2987	CAMO-11-24633	GELC
R-13	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.405	—	—	6.70E-02	µg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.4	—	—	6.70E-02	µg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.46	—	—	5.00E-02	µg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	958.3	11/22/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.6	—	—	1.00E+00	µg/L	J	J	12-421	CAMO-12-1482	GELC
R-13	958.3	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.11	—	—	1.00E+00	µg/L	—	—	11-2987	CAMO-11-24634	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	958.3	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.29	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10702	GELC
R-13	958.3	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.14	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4594	GELC
R-13	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.87	—	—	1.00E+00	µg/L	J	J	11-451	CAMO-11-1270	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.29	—	—	1.00E+00	µg/L	J	J	12-421	CAMO-12-1480	GELC
R-13	958.3	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.88	—	—	1.00E+00	µg/L	J	J	11-2987	CAMO-11-24633	GELC
R-13	958.3	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	µg/L	—	—	11-2553	CAMO-11-10703	GELC
R-13	958.3	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.23	—	—	1.00E+00	µg/L	—	—	11-1406	CAMO-11-4595	GELC
R-13	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.77	—	—	1.00E+00	µg/L	J	J	11-451	CAMO-11-1269	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.147	3.33E-02	3.40E-01	—	pCi/L	U	U	12-421	CAMO-12-1480	GELC
R-13	958.3	02/11/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.33	4.67E-02	3.30E-01	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.081	2.10E-02	2.20E-01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.27	4.67E-02	4.40E-01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	958.3	02/14/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0433	3.67E-02	4.80E-01	—	pCi/L	U	U	08-639	CAMO-08-10443	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.353	4.67E-02	4.10E-01	—	pCi/L	U	U	12-421	CAMO-12-1480	GELC
R-13	958.3	02/11/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0254	6.67E-02	7.90E-01	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.853	1.10E-01	9.30E-01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.00835	7.00E-02	7.70E-01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	958.3	02/14/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.317	9.33E-02	9.30E-01	—	pCi/L	U	U	08-639	CAMO-08-10443	GELC
R-13	958.3	11/22/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.1	2.37E-01	2.43E+00	—	pCi/L	U	U	12-422	CAMO-12-1480	ARSL
R-13	958.3	05/25/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.70246	2.24E-01	2.33E+00	—	pCi/L	U	U	11-2581	CAMO-11-10703	ARSL
R-13	958.3	11/09/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.32072	2.98E-01	2.30E+00	—	pCi/L	—	R	11-474	CAMO-11-1269	ARSL
R-13	958.3	11/09/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.89404	2.34E-01	2.30E+00	—	pCi/L	U	U	11-474	CAMO-11-1269	ARSL
R-13	958.3	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.94915	9.58E-02	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9343	UMTL
R-13	958.3	08/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	9.58E-02	2.87E-01	—	pCi/L	U	U	09-2842	CAMO-09-9558	UMTL
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.9	—	—	7.30E-01	mg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	56.4	—	—	7.30E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.9	—	—	7.30E-01	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.5	—	—	7.30E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	51.6	—	—	7.30E-01	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0817	—	—	6.60E-02	mg/L	J	J	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0811	—	—	6.60E-02	mg/L	J	J	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.114	—	—	6.60E-02	mg/L	J	J	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0813	—	—	6.60E-02	mg/L	J	J-	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.2	—	—	5.00E-02	mg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.06	—	—	6.60E-02	mg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.13	—	—	6.60E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.35	—	—	6.60E-02	mg/L	—	J+	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.47	—	—	6.60E-02	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.2	—	—	6.60E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.189	—	—	3.30E-02	mg/L	—	—	12-323	CAMO-12-1483	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.172	—	—	3.30E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.198	—	—	3.30E-02	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.199	—	—	3.30E-02	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.156	—	—	3.30E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.6	—	—	4.50E-01	mg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.4	—	—	4.50E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52	—	—	4.50E-01	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.5	—	—	4.50E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.9	—	—	3.50E-01	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.2	—	—	4.50E-01	mg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.2	—	—	4.50E-01	mg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.3	—	—	4.50E-01	mg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.5	—	—	4.50E-01	mg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	49.3	—	—	3.50E-01	mg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	1.10E-01	mg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	1.10E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	1.10E-01	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	1.10E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.6	—	—	8.50E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	1.10E-01	mg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.89	—	—	1.10E-01	mg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.83	—	—	1.10E-01	mg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	1.10E-01	mg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.66	—	—	8.50E-02	mg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.35	—	—	1.00E-02	mg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.78	—	—	1.00E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.77	—	—	5.00E-02	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.91	—	—	1.00E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.24	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	8.14	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.86	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.76	—	—	5.00E-01	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.51	—	—	5.00E-01	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	8.06	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.54	—	—	1.00E-02	SU	H	J-	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.01	—	—	1.00E-02	SU	H	J-	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.22	—	—	1.00E-02	SU	H	J-	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.66	—	—	5.00E-02	mg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.84	—	—	5.00E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	—	J	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.8	—	—	5.00E-02	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.72	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.65	—	—	5.00E-02	mg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.91	—	—	5.00E-02	mg/L	—	J	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.75	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	12-323	CAMO-12-1483	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	156	—	—	1.00E+00	µS/cm	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	156	—	—	1.00E+00	µS/cm	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	156	—	—	1.00E+00	µS/cm	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	149	—	—	1.00E+00	µS/cm	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	157	—	—	1.00E+00	µS/cm	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.47	—	—	1.00E-01	mg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.17	—	—	1.00E-01	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.64	—	—	1.00E-01	mg/L	—	J+	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.04	—	—	1.00E-01	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.8	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	3.40E+00	mg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	154	—	—	3.40E+00	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	154	—	—	2.40E+00	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.491	—	—	3.30E-01	mg/L	J	J	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.474	—	—	3.30E-01	mg/L	J	J	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.553	—	—	3.30E-01	mg/L	J	J	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.478	—	—	3.30E-01	mg/L	J	J	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.396	—	—	3.30E-01	mg/L	J	J	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0161	—	—	1.50E-02	mg/L	J	J	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.119	—	—	1.50E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0635	—	—	1.50E-02	mg/L	—	U	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.057	—	—	1.50E-02	mg/L	—	U	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.109	—	—	1.50E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.32	—	—	1.70E+00	µg/L	J	J	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.2	—	—	1.70E+00	µg/L	J	J	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.39	—	—	1.70E+00	µg/L	J	J	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.8	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.5	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.7	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1485	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.4	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.7	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.5	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.59	—	—	2.00E+00	µg/L	J	J	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.8	—	—	2.00E+00	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.6	—	—	2.00E+00	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	2.00E+00	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	2.50E+00	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.8	—	—	2.00E+00	µg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.3	—	—	2.00E+00	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.9	—	—	2.00E+00	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.7	—	—	2.00E+00	µg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.2	—	—	2.50E+00	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	150	—	—	3.00E+01	µg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	255	—	—	3.00E+01	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	212	—	—	3.00E+01	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	31.6	—	—	3.00E+01	µg/L	J	J	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	2440	—	—	3.00E+01	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	3.62	—	—	5.00E-01	µg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	5.72	—	—	5.00E-01	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	11.4	—	—	5.00E-01	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.13	—	—	5.00E-01	µg/L	J	J	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	39.5	—	—	5.00E-01	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.97	—	—	2.00E+00	µg/L	J	J	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.13	—	—	2.00E+00	µg/L	J	J	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.78	—	—	2.00E+00	µg/L	J	J	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	23.7	—	—	2.00E+00	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.998	—	—	1.70E-01	µg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.70E-01	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.885	—	—	1.70E-01	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.978	—	—	1.70E-01	µg/L	—	U	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.27	—	—	1.00E-01	µg/L	—	U	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.901	—	—	1.70E-01	µg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.991	—	—	1.70E-01	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.821	—	—	1.70E-01	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.01	—	—	1.70E-01	µg/L	—	U	11-1482	CAMO-11-4597	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.31	—	—	1.00E-01	µg/L	—	U	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.8	—	—	5.00E-01	µg/L	J	J	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.24	—	—	5.00E-01	µg/L	J	J	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.848	—	—	5.00E-01	µg/L	J	J	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1	—	—	5.00E-01	µg/L	J	U	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.922	—	—	5.00E-01	µg/L	J	J	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.53	—	—	5.00E-01	µg/L	J	J	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.02	—	—	5.00E-01	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.54	—	—	5.00E-01	µg/L	J	J	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.92	—	—	5.00E-01	µg/L	J	U	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.79	—	—	5.00E-01	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.6	—	—	5.30E-02	mg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	5.30E-02	mg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	5.30E-02	mg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.9	—	—	5.30E-02	mg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.4	—	—	5.30E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	64.2	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.2	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.6	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.7	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	64.1	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.4	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	67.4	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.9	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.7	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.1	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.361	—	—	6.70E-02	µg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.411	—	—	6.70E-02	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.38	—	—	6.70E-02	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.381	—	—	6.70E-02	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.413	—	—	5.00E-02	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.376	—	—	6.70E-02	µg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.413	—	—	6.70E-02	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.387	—	—	6.70E-02	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.397	—	—	6.70E-02	µg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.459	—	—	5.00E-02	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	11/10/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.51	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1483	GELC
R-15	958.6	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.42	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24635	GELC
R-15	958.6	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10714	GELC
R-15	958.6	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.11	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4596	GELC
R-15	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.36	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.17	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.57	—	—	1.00E+00	µg/L	—	—	11-3208	CAMO-11-24636	GELC
R-15	958.6	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1.00E+00	µg/L	—	—	11-2587	CAMO-11-10715	GELC
R-15	958.6	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.78	—	—	1.00E+00	µg/L	—	—	11-1482	CAMO-11-4597	GELC
R-15	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.75	—	—	1.00E+00	µg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	958.6	08/15/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00424	4.33E-03	3.10E-02	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00284	1.02E-03	4.21E-02	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0147	2.00E-03	3.80E-02	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00414	1.97E-03	3.50E-02	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00126	5.33E-04	2.70E-02	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0138	3.67E-03	2.90E-02	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00715	1.11E-03	6.47E-02	—	pCi/L	—	U	191858	GU070800G15R01	GELC
R-15	958.6	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-5.58	8.00E-01	6.90E+00	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.14	4.40E-01	3.41E+00	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-6.98	6.67E-01	6.60E+00	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.24	5.00E-01	4.80E+00	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.14	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.62	4.33E-01	4.90E+00	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.39	5.03E-01	4.71E+00	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	958.6	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.471	7.33E-01	7.00E+00	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	4.56	4.67E-01	5.50E+00	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.324	4.67E-01	5.20E+00	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.493	5.33E-01	5.00E+00	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.206	3.33E-01	3.30E+00	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.168	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0988	4.73E-01	4.67E+00	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.63	1.47E-01	1.44E+00	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	07/03/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.715	2.13E-01	2.65E+00	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.146	1.17E-01	1.90E+00	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.36	4.67E-01	2.60E+00	—	pCi/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.587	1.07E-01	9.90E-01	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.223	1.47E-01	2.57E+00	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	958.6	07/03/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.54	2.30E-01	2.38E+00	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.39	2.67E-01	2.41E+00	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	07/03/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	-0.0459	1.31E-01	1.81E+00	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.14	2.63E-01	2.30E+00	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.24	2.80E-01	3.00E+00	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.38	3.67E-01	2.90E+00	—	pCi/L	—	—	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.57	2.76E-01	2.68E+00	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	958.6	07/03/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.11	2.49E-01	2.92E+00	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	958.6	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-25.1	4.67E+00	4.30E+01	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-19.1	3.73E+00	2.95E+01	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.16	7.00E-01	7.80E+00	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.86	1.03E+00	9.50E+00	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.9	2.87E+00	2.60E+01	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.74	3.67E+00	3.40E+01	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-18.3	4.47E+00	3.67E+01	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	958.6	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00347	8.33E-04	2.40E-02	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00327	1.34E-03	3.14E-02	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00488	1.17E-03	2.80E-02	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.00E-04	3.20E-02	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.008	2.83E-03	3.20E-02	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.33E-04	2.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00205	3.27E-03	3.92E-02	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	958.6	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00694	1.43E-03	3.00E-02	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00982	1.34E-03	2.88E-02	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00244	1.40E-03	3.80E-02	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00237	1.77E-03	3.20E-02	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.33E-03	3.90E-02	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0077	1.17E-03	2.60E-02	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00204	1.52E-03	3.60E-02	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	958.6	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	7.78	1.03E+01	9.80E+01	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-31.2	5.60E+00	4.57E+01	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-42.7	5.67E+00	5.10E+01	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	41.9	8.00E+00	3.50E+01	—	pCi/L	UI	R	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	9.75	5.67E+00	2.90E+01	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-9.32	5.33E+00	5.20E+01	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.9	5.13E+00	4.64E+01	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	958.6	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.18	6.67E-01	7.20E+00	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.75	3.37E-01	3.16E+00	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.09	4.00E-01	5.00E+00	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0963	5.67E-01	5.50E+00	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.239	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.29	4.00E-01	4.30E+00	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-4.2	6.07E-01	4.59E+00	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	958.6	08/15/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.222	2.67E-02	2.20E-01	—	pCi/L	—	U	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0055	2.90E-02	3.28E-01	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.403	5.00E-02	4.90E-01	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.152	4.67E-02	4.80E-01	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.19	4.00E-02	4.70E-01	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.173	2.90E-02	2.70E-01	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.144	2.61E-02	3.29E-01	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	29.99	1.55E+00	2.34E+00	—	pCi/L	—	—	12-342	CAMO-12-1485	ARSL
R-15	958.6	05/31/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	33.49457	1.73E+00	2.81E+00	—	pCi/L	—	J	11-2581	CAMO-11-10715	ARSL
R-15	958.6	11/09/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	33.65422	1.71E+00	1.79E+00	—	pCi/L	—	R	11-474	CAMO-11-1268	ARSL
R-15	958.6	11/09/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	33.81387	1.71E+00	1.88E+00	—	pCi/L	—	—	11-474	CAMO-11-1268	ARSL
R-15	958.6	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	30.3335	3.19E-01	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9324	UMTL
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	29.6949	3.19E-01	2.87E-01	—	pCi/L	—	—	09-2842	CAMO-09-9542	UMTL
R-15	958.6	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.291	1.13E-02	8.20E-02	—	pCi/L	—	—	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.32	1.43E-02	5.10E-02	—	pCi/L	—	—	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.259	1.13E-02	7.80E-02	—	pCi/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.285	1.13E-02	6.50E-02	—	pCi/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.213	9.00E-03	9.00E-02	—	pCi/L	—	—	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.298	1.10E-02	8.30E-02	—	pCi/L	—	—	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.339	1.53E-02	5.46E-02	—	pCi/L	—	—	191858	GU070800G15R01	GELC
R-15	958.6	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0206	3.30E-03	4.40E-02	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0126	3.04E-03	4.35E-02	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00761	1.80E-03	4.10E-02	—	pCi/L	U	U	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0158	2.80E-03	4.00E-02	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00289	2.57E-03	4.40E-02	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00599	2.00E-03	4.40E-02	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0324	5.00E-03	4.67E-02	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	958.6	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.124	6.67E-03	4.30E-02	—	pCi/L	—	—	08-1699	CAMO-08-14540	GELC
R-15	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.14	9.37E-03	6.81E-02	—	pCi/L	—	J	191858	GF070800G15R01	GELC
R-15	958.6	11/10/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.123	7.00E-03	3.50E-02	—	pCi/L	—	—	12-323	CAMO-12-1485	GELC
R-15	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.158	7.67E-03	4.50E-02	—	pCi/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.129	7.00E-03	4.40E-02	—	pCi/L	—	—	09-2805	CAMO-09-9542	GELC
R-15	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.128	6.67E-03	4.40E-02	—	pCi/L	—	—	08-1699	CAMO-08-14541	GELC
R-15	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.133	9.33E-03	7.30E-02	—	pCi/L	—	J	191858	GU070800G15R01	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.2	—	—	7.30E-01	mg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.4	—	—	7.30E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.2	—	—	7.30E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.6	—	—	7.30E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.8	—	—	7.30E-01	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.259	—	—	6.60E-02	mg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.217	—	—	6.60E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.242	—	—	6.60E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.22	—	—	6.60E-02	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.238	—	—	6.60E-02	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	47.4	—	—	5.00E-02	mg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.1	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.3	—	—	5.00E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.2	—	—	5.00E-02	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	47.5	—	—	5.00E-02	mg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	48	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	45	—	—	5.00E-02	mg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.3	—	—	5.00E-02	mg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	35.3	—	—	3.30E-01	mg/L	—	J+	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	33.8	—	—	3.30E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	34.3	—	—	3.30E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.9	—	—	6.60E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	32.5	—	—	3.30E-01	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00623	—	—	1.50E-03	mg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00506	—	—	1.50E-03	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00431	—	—	1.50E-03	mg/L	J	J	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0049	—	—	1.70E-03	mg/L	J	J	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/10/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0028	—	—	1.70E-03	mg/L	J	J	11-467	CAMO-11-1271	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.289	—	—	3.30E-02	mg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.277	—	—	3.30E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.297	—	—	3.30E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.297	—	—	3.30E-02	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.313	—	—	3.30E-02	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	167	—	—	4.50E-01	mg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	170	—	—	4.50E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	159	—	—	4.50E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	156	—	—	4.50E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	167	—	—	4.50E-01	mg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	170	—	—	4.50E-01	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	158	—	—	4.50E-01	mg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	170	—	—	4.50E-01	mg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.8	—	—	1.10E-01	mg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.1	—	—	1.10E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.2	—	—	1.10E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.1	—	—	1.10E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.8	—	—	1.10E-01	mg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.1	—	—	1.10E-01	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.1	—	—	1.10E-01	mg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12	—	—	1.10E-01	mg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.83	—	—	1.00E-01	mg/L	—	—	12-341	CAMO-12-1487	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.89	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.82	—	—	5.00E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.58	—	—	1.00E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.93	—	—	2.50E-01	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.05	—	—	1.00E-01	µg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.04	—	—	1.00E-01	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.996	—	—	5.00E-02	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.997	—	—	5.00E-02	µg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.12	—	—	1.00E-01	µg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.87	—	—	1.00E-02	SU	H	J-	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	5.00E-02	mg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.8	—	—	5.00E-02	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.97	—	—	5.00E-02	mg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.94	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.91	—	—	5.00E-02	mg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.98	—	—	5.00E-02	mg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.6	—	—	1.00E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	1.00E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.6	—	—	1.00E-01	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.3	—	—	1.00E-01	mg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	1.00E-01	mg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.4	—	—	1.00E-01	mg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	1.00E-01	mg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	407	—	—	1.00E+00	µS/cm	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	394	—	—	1.00E+00	µS/cm	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	404	—	—	1.00E+00	µS/cm	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	407	—	—	1.00E+00	µS/cm	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	49.8	—	—	5.00E-01	mg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	47.3	—	—	5.00E-01	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	50.7	—	—	5.00E-01	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	47.5	—	—	1.00E+00	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	47.6	—	—	5.00E-01	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	326	—	—	3.40E+00	mg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	291	—	—	3.40E+00	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	293	—	—	2.40E+00	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	306	—	—	2.40E+00	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	310	—	—	2.40E+00	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.743	—	—	3.30E-01	mg/L	J	J	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.542	—	—	3.30E-01	mg/L	J	J	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.705	—	—	3.30E-01	mg/L	J	J	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.714	—	—	3.30E-01	mg/L	J	J	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.07	—	—	3.30E-01	mg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0294	—	—	1.50E-02	mg/L	J	J	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.1	—	—	1.50E-02	mg/L	—	U	11-3009	CAMO-11-24638	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	06/01/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.096	—	—	1.50E-02	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	71.1	—	—	1.00E+00	µg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	73.7	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66.6	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66	—	—	1.00E+00	µg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	71.5	—	—	1.00E+00	µg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	71.8	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65.5	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	71.9	—	—	1.00E+00	µg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.5	—	—	1.50E+01	µg/L	J	J	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.8	—	—	1.50E+01	µg/L	J	J	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.2	—	—	1.50E+01	µg/L	J	J	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.50E+01	µg/L	J	J	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.6	—	—	1.50E+01	µg/L	J	J	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.9	—	—	1.50E+01	µg/L	J	J	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.3	—	—	1.50E+01	µg/L	J	J	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.2	—	—	1.50E+01	µg/L	J	J	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	455	—	—	1.00E+01	µg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	428	—	—	2.00E+00	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	344	—	—	2.00E+00	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	356	—	—	2.00E+00	µg/L	E	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	445	—	—	1.00E+01	µg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	413	—	—	2.00E+00	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	367	—	—	2.00E+00	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	354	—	—	2.00E+00	µg/L	E	—	11-1343	CAMO-11-4598	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	37	—	—	3.00E+01	µg/L	J	J	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	38.8	—	—	3.00E+01	µg/L	J	J	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	33.4	—	—	3.00E+01	µg/L	J	J	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	36.8	—	—	3.00E+01	µg/L	J	J	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.734	—	—	1.70E-01	µg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.856	—	—	1.70E-01	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.771	—	—	1.70E-01	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.86	—	—	1.70E-01	µg/L	—	U	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.752	—	—	1.70E-01	µg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.845	—	—	1.70E-01	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.832	—	—	1.70E-01	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.871	—	—	1.70E-01	µg/L	—	U	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	22.3	—	—	2.50E+00	µg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19.5	—	—	5.00E-01	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.9	—	—	5.00E-01	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	20.9	—	—	5.00E-01	µg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	21.8	—	—	2.50E+00	µg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.1	—	—	5.00E-01	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.8	—	—	5.00E-01	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	21	—	—	5.00E-01	µg/L	—	—	11-1343	CAMO-11-4598	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	934.3	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.3	—	—	5.30E-02	mg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.2	—	—	5.30E-02	mg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74	—	—	5.30E-02	mg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.5	—	—	5.30E-02	mg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.4	—	—	5.30E-02	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	185	—	—	1.00E+00	µg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	180	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	166	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	169	—	—	1.00E+00	µg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	185	—	—	1.00E+00	µg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	179	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	184	—	—	1.00E+00	µg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	6.70E-02	µg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	6.70E-02	µg/L	—	—	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	6.70E-02	µg/L	—	J	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	6.70E-02	µg/L	—	—	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.26	—	—	6.70E-02	µg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	6.70E-02	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.42	—	—	6.70E-02	µg/L	—	J	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.42	—	—	6.70E-02	µg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.28	—	—	1.00E+00	µg/L	—	—	12-341	CAMO-12-1487	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.91	—	—	1.00E+00	µg/L	J	J	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.86	—	—	1.00E+00	µg/L	J	J	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.56	—	—	1.00E+00	µg/L	—	—	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.05	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.71	—	—	1.00E+00	µg/L	—	—	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.31	—	—	1.00E+00	µg/L	—	—	11-1343	CAMO-11-4598	GELC
R-28	934.3	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.3	—	—	3.30E+00	µg/L	J	J	11-3009	CAMO-11-24638	GELC
R-28	934.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.86	—	—	3.30E+00	µg/L	J	J	11-2597	CAMO-11-10704	GELC
R-28	934.3	02/14/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-1343	CAMO-11-4599	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.83	—	—	3.30E+00	µg/L	J	J	12-341	CAMO-12-1486	GELC
R-28	934.3	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.84	—	—	3.30E+00	µg/L	J	J	11-3009	CAMO-11-24637	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.1	—	—	3.30E+00	µg/L	J	J	11-2597	CAMO-11-10705	GELC
R-28	934.3	02/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.68	—	—	3.30E+00	µg/L	J	J	11-1343	CAMO-11-4598	GELC
R-28	934.3	11/15/11	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	106	1.83E+01	1.70E+02	—	pCi/L	U	U	12-341	CAMO-12-1486	GELC
R-28	934.3	06/01/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	170.1869	8.55E+00	3.00E+00	—	pCi/L	—	—	11-2628	CAMO-11-10705	ARSL
R-28	934.3	11/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	219.86998	1.10E+01	1.79E+00	—	pCi/L	—	R	11-474	CAMO-11-1271	ARSL
R-28	934.3	11/10/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	218.52892	1.09E+01	1.79E+00	—	pCi/L	—	—	11-474	CAMO-11-1271	ARSL
R-28	934.3	02/03/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	199.5625	2.24E+00	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9326	UMTL
R-28	934.3	08/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	189.3449	2.13E+00	2.87E-01	—	pCi/L	—	—	09-2930	CAMO-09-9546	UMTL
R-28	934.3	11/15/11	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	—	0.34	—	—	3.00E-01	µg/L	J	J	12-341	CAMO-12-1486	GELC
R-28	934.3	07/14/10	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	U	10-3697	CAMO-10-22860	GELC
R-28	934.3	05/13/10	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	UJ	10-3175	CAMO-10-16764	GELC
R-28	934.3	02/03/10	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	U	10-1614	CAMO-10-9326	GELC
R-28	934.3	11/05/09	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	UJ	10-395	CAMO-10-3130	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	106	—	—	7.30E-01	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	108	—	—	7.30E-01	mg/L	—	—	11-2498	CASA-11-10812	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	100	—	—	7.30E-01	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	100	—	—	7.30E-01	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.4	—	—	5.00E-02	mg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.5	—	—	5.00E-02	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.2	—	—	5.00E-02	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	5.00E-02	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.5	—	—	5.00E-02	mg/L	—	—	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24	—	—	5.00E-02	mg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	5.00E-02	mg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	5.00E-02	mg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.7	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.98	—	—	6.60E-02	mg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.25	—	—	6.60E-02	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.51	—	—	6.60E-02	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.58	—	—	6.60E-02	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.35	—	—	6.60E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.298	—	—	3.30E-02	mg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.326	—	—	3.30E-02	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.333	—	—	3.30E-02	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.322	—	—	3.30E-02	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.27	—	—	3.30E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.3	—	—	4.50E-01	mg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.5	—	—	4.50E-01	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.3	—	—	4.50E-01	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.8	—	—	4.50E-01	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.4	—	—	3.50E-01	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	83.3	—	—	4.50E-01	mg/L	—	—	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.8	—	—	4.50E-01	mg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.4	—	—	4.50E-01	mg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.8	—	—	4.50E-01	mg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.5	—	—	3.50E-01	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.04	—	—	1.10E-01	mg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.18	—	—	1.10E-01	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.94	—	—	1.10E-01	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.82	—	—	1.10E-01	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.79	—	—	8.50E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.99	—	—	1.10E-01	mg/L	—	—	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.05	—	—	1.10E-01	mg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.99	—	—	1.10E-01	mg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.81	—	—	1.10E-01	mg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.14	—	—	8.50E-02	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.114	—	—	1.00E-02	mg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.206	—	—	1.00E-02	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.605	—	—	5.00E-02	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.457	—	—	1.00E-01	mg/L	J	J	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.469	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.406	—	—	5.00E-02	µg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.443	—	—	5.00E-02	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.403	—	—	5.00E-02	µg/L	—	—	11-2498	CASA-11-10812	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.444	—	—	5.00E-02	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.419	—	—	5.00E-02	µg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.08	—	—	1.00E-02	SU	H	J-	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.07	—	—	1.00E-02	SU	H	J-	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	1.00E-02	SU	H	J-	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.1	—	—	1.00E-02	SU	H	J-	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.02	—	—	5.00E-02	mg/L	—	J	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.17	—	—	5.00E-02	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.09	—	—	5.00E-02	mg/L	—	J	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.07	—	—	5.00E-02	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.35	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4	—	—	5.00E-02	mg/L	—	J	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.07	—	—	5.00E-02	mg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.14	—	—	5.00E-02	mg/L	—	J	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.04	—	—	5.00E-02	mg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.63	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	1.00E-01	mg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.4	—	—	1.00E-01	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.5	—	—	1.00E-01	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.8	—	—	1.00E-01	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.9	—	—	1.00E-01	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	1.00E-01	mg/L	—	—	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	1.00E-01	mg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.7	—	—	1.00E-01	mg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	20	—	—	1.00E-01	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	241	—	—	1.00E+00	µS/cm	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	241	—	—	1.00E+00	µS/cm	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	241	—	—	1.00E+00	µS/cm	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	231	—	—	1.00E+00	µS/cm	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	250	—	—	1.00E+00	µS/cm	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.29	—	—	1.00E-01	mg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.47	—	—	1.00E-01	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.82	—	—	1.00E-01	mg/L	—	J+	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.75	—	—	1.00E-01	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.27	—	—	1.00E-01	mg/L	—	J+	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	196	—	—	3.40E+00	mg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	216	—	—	3.40E+00	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	193	—	—	2.40E+00	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	201	—	—	2.40E+00	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	198	—	—	2.40E+00	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.03	—	—	1.50E-02	mg/L	J	J	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0746	—	—	1.50E-02	mg/L	—	U	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.027	—	—	1.50E-02	mg/L	J	U	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.034	—	—	1.50E-02	mg/L	J	J	11-491	CASA-11-1372	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	7.21	—	—	1.70E+00	µg/L	—	U	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1439	CASA-11-4562	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.91	—	—	1.70E+00	µg/L	J	J+	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	10.5	—	—	1.70E+00	µg/L	—	U	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.68	—	—	1.50E+00	µg/L	J	J	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	372	—	—	1.00E+00	µg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	380	—	—	1.00E+00	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	352	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	347	—	—	1.00E+00	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	345	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	372	—	—	1.00E+00	µg/L	—	—	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	372	—	—	1.00E+00	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	354	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	348	—	—	1.00E+00	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	368	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	42.1	—	—	1.50E+01	µg/L	J	J	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	43.1	—	—	1.50E+01	µg/L	J	J	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	43.6	—	—	1.50E+01	µg/L	J	J	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	38.2	—	—	1.50E+01	µg/L	J	J	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39	—	—	1.50E+01	µg/L	J	J	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	41.3	—	—	1.50E+01	µg/L	J	J	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	42.2	—	—	1.50E+01	µg/L	J	J	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	42.8	—	—	1.50E+01	µg/L	J	J	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	37.6	—	—	1.50E+01	µg/L	J	J	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	40.9	—	—	1.50E+01	µg/L	J	J	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.04	—	—	2.00E+00	µg/L	J	J	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.63	—	—	2.00E+00	µg/L	J	J	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.02	—	—	2.00E+00	µg/L	J	J	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.39	—	—	2.00E+00	µg/L	J	J	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.71	—	—	2.50E+00	µg/L	J	J	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	19	—	—	2.00E+00	µg/L	—	—	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12	—	—	2.00E+00	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.7	—	—	2.00E+00	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.1	—	—	2.00E+00	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.8	—	—	2.50E+00	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	73.9	—	—	3.00E+01	µg/L	J	J	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	46.1	—	—	3.00E+01	µg/L	J	J	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	79.4	—	—	3.00E+01	µg/L	J	J	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	87.6	—	—	3.00E+01	µg/L	J	J	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	76.9	—	—	3.00E+01	µg/L	J	J	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.13	—	—	5.00E-01	µg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	11	—	—	5.00E-01	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	13.2	—	—	5.00E-01	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19.6	—	—	5.00E-01	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	22.2	—	—	5.00E-01	µg/L	—	—	11-491	CASA-11-1372	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	11/17/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	10.7	—	—	5.00E-01	µg/L	—	—	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.5	—	—	5.00E-01	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	13.2	—	—	5.00E-01	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	22.9	—	—	5.00E-01	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	22.4	—	—	5.00E-01	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	88.6	—	—	5.30E-02	mg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	87.1	—	—	5.30E-02	mg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.1	—	—	5.30E-02	mg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.9	—	—	5.30E-02	mg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81	—	—	5.30E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	µg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1.00E+00	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	173	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	175	—	—	1.00E+00	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	175	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	µg/L	—	—	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	182	—	—	1.00E+00	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	173	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	175	—	—	1.00E+00	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.626	—	—	6.70E-02	µg/L	—	—	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.658	—	—	6.70E-02	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.697	—	—	6.70E-02	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.693	—	—	6.70E-02	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.664	—	—	5.00E-02	µg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.644	—	—	6.70E-02	µg/L	—	—	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.575	—	—	6.70E-02	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.611	—	—	6.70E-02	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.682	—	—	6.70E-02	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.691	—	—	5.00E-02	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	17.6	—	—	1.00E+00	µg/L	—	J	12-374	CASA-12-1384	GELC
R-35a	1013.1	08/17/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	17.5	—	—	1.00E+00	µg/L	—	—	11-3246	CASA-11-24780	GELC
R-35a	1013.1	05/23/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	18.7	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10812	GELC
R-35a	1013.1	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.3	—	—	1.00E+00	µg/L	—	—	11-1439	CASA-11-4562	GELC
R-35a	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.8	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.7	—	—	1.00E+00	µg/L	—	J	12-374	CASA-12-1383	GELC
R-35a	1013.1	08/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	16.9	—	—	1.00E+00	µg/L	—	—	11-3246	CASA-11-24781	GELC
R-35a	1013.1	05/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.4	—	—	1.00E+00	µg/L	—	—	11-2498	CASA-11-10813	GELC
R-35a	1013.1	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.8	—	—	1.00E+00	µg/L	—	—	11-1439	CASA-11-4561	GELC
R-35a	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.3	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.523	5.33E-02	3.60E-01	—	pCi/L	—	—	12-374	CASA-12-1383	GELC
R-35a	1013.1	02/11/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.223	4.00E-02	3.80E-01	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.178	3.33E-02	3.20E-01	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.16	4.33E-02	4.30E-01	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	1013.1	02/21/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.309	5.67E-02	5.30E-01	—	pCi/L	U	U	08-679	CASA-08-10556	GELC
R-35a	1013.1	11/17/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0888	7.33E-02	7.70E-01	—	pCi/L	U	U	12-374	CASA-12-1383	GELC
R-35a	1013.1	02/11/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.564	1.03E-01	9.80E-01	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.13	1.13E-01	8.90E-01	—	pCi/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0452	3.67E-02	4.00E-01	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	1013.1	02/21/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.233	8.67E-02	9.10E-01	—	pCi/L	U	U	08-679	CASA-08-10556	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	1013.1	11/17/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.52	2.27E-01	2.34E+00	—	pCi/L	U	U	12-437	CASA-12-1383	ARSL
R-35a	1013.1	05/23/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.12	2.55E-01	2.59E+00	—	pCi/L	U	U	11-2519	CASA-11-10813	ARSL
R-35a	1013.1	11/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	24.20	1.26E+00	2.39E+00	—	pCi/L	—	R	11-556	CASA-11-1373	ARSL
R-35a	1013.1	11/11/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.06	2.34E-01	2.39E+00	—	pCi/L	U	U	11-556	CASA-11-1373	ARSL
R-35a	1013.1	05/14/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.16	1.49E-01	1.56E+00	—	pCi/L	U	U	10-3221	CASA-10-16779	ARSL
R-35a	1013.1	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.26	9.58E-02	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9464	UMTL
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.6	—	—	7.30E-01	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.2	—	—	7.30E-01	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.6	—	—	7.30E-01	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.6	—	—	7.30E-01	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.2	—	—	7.30E-01	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	5.00E-02	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.2	—	—	5.00E-02	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.4	—	—	5.00E-02	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	5.00E-02	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	5.00E-02	mg/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.6	—	—	5.00E-02	mg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.2	—	—	5.00E-02	mg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	5.00E-02	mg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.69	—	—	6.60E-02	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.81	—	—	6.60E-02	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.93	—	—	6.60E-02	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.88	—	—	6.60E-02	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.73	—	—	6.60E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.473	—	—	3.30E-02	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.464	—	—	3.30E-02	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.5	—	—	3.30E-02	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.497	—	—	3.30E-02	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.441	—	—	3.30E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.5	—	—	4.50E-01	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61	—	—	4.50E-01	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.1	—	—	4.50E-01	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.2	—	—	4.50E-01	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.2	—	—	3.50E-01	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.1	—	—	4.50E-01	mg/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.3	—	—	4.50E-01	mg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.2	—	—	4.50E-01	mg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.9	—	—	4.50E-01	mg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	3.50E-01	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.26	—	—	1.10E-01	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.98	—	—	1.10E-01	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.15	—	—	1.10E-01	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	1.10E-01	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.86	—	—	8.50E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.07	—	—	1.10E-01	mg/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.09	—	—	1.10E-01	mg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.07	—	—	1.10E-01	mg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.93	—	—	1.10E-01	mg/L	—	—	11-1480	CASA-11-4563	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.06	—	—	8.50E-02	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.21	—	—	5.00E-02	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.18	—	—	1.00E-01	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.18	—	—	5.00E-02	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.08	—	—	5.00E-02	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.16	—	—	1.00E-01	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.581	—	—	5.00E-02	µg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.545	—	—	5.00E-02	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.616	—	—	5.00E-02	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.598	—	—	5.00E-02	µg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.577	—	—	5.00E-02	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.06	—	—	5.00E-02	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.09	—	—	5.00E-02	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.92	—	—	5.00E-02	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.08	—	—	5.00E-02	mg/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.06	—	—	5.00E-02	mg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.15	—	—	5.00E-02	mg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.1	—	—	5.00E-02	mg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.16	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	1.00E-01	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	µS/cm	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	µS/cm	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	µS/cm	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	162	—	—	1.00E+00	µS/cm	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	µS/cm	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.49	—	—	1.00E-01	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.43	—	—	1.00E-01	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.75	—	—	1.00E-01	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.74	—	—	1.00E-01	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.4	—	—	1.00E-01	mg/L	—	J+	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	119	—	—	3.40E+00	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	3.40E+00	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.40E+00	mg/L	—	—	11-1480	CASA-11-4564	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.385	—	—	3.30E-01	mg/L	J	J	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.44	—	—	3.30E-01	mg/L	J	J	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.5	—	—	3.30E-01	mg/L	J	J	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.579	—	—	3.30E-01	mg/L	J	J	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.713	—	—	3.30E-01	mg/L	J	J	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	µg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.1	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.4	—	—	1.00E+00	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.9	—	—	1.00E+00	µg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.3	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40	—	—	1.00E+00	µg/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40.3	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39	—	—	1.00E+00	µg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.8	—	—	1.00E+00	µg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.3	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.7	—	—	1.50E+01	µg/L	J	J	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.6	—	—	1.50E+01	µg/L	J	J	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.5	—	—	1.50E+01	µg/L	J	J	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.3	—	—	1.50E+01	µg/L	J	J	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24	—	—	1.50E+01	µg/L	J	J	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.5	—	—	1.50E+01	µg/L	J	J	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.4	—	—	1.50E+01	µg/L	J	J	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.3	—	—	1.50E+01	µg/L	J	J	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	1.50E+01	µg/L	J	J	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.5	—	—	1.50E+01	µg/L	J	J	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.4	—	—	2.00E+00	µg/L	J	J	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.42	—	—	2.00E+00	µg/L	J	J	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.67	—	—	2.00E+00	µg/L	J	J	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.1	—	—	2.00E+00	µg/L	J	J	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.1	—	—	2.50E+00	µg/L	J	J	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.38	—	—	2.00E+00	µg/L	J	J	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.33	—	—	2.00E+00	µg/L	J	J	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.52	—	—	2.00E+00	µg/L	J	J	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.31	—	—	2.00E+00	µg/L	J	J	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.95	—	—	2.50E+00	µg/L	J	J	11-491	CASA-11-1374	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	31.9	—	—	3.00E+01	µg/L	J	J	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	114	—	—	3.00E+01	µg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.33	—	—	1.70E-01	µg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.70E-01	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.70E-01	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.70E-01	µg/L	—	J	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	2.23	—	—	1.00E-01	µg/L	—	U	11-491	CASA-11-1375	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	11/09/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.70E-01	µg/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	1.70E-01	µg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.70E-01	µg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.18	—	—	1.70E-01	µg/L	—	U	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	2.13	—	—	1.00E-01	µg/L	—	U	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.56	—	—	5.00E-01	µg/L	J	J	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	5.00E-01	µg/L	J	J	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.965	—	—	5.00E-01	µg/L	J	J	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.39	—	—	5.00E-01	µg/L	J	U	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.54	—	—	5.00E-01	µg/L	J	J	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.01	—	—	5.00E-01	µg/L	J	J	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.11	—	—	5.00E-01	µg/L	J	J	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.55	—	—	5.00E-01	µg/L	J	U	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	83.2	—	—	5.30E-02	mg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.9	—	—	5.30E-02	mg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.2	—	—	5.30E-02	mg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70	—	—	5.30E-02	mg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.5	—	—	5.30E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.7	—	—	1.00E+00	µg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.1	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.5	—	—	1.00E+00	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.8	—	—	1.00E+00	µg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	66.6	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.5	—	—	1.00E+00	µg/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.1	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.3	—	—	1.00E+00	µg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.3	—	—	1.00E+00	µg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.7	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.316	—	—	6.70E-02	µg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.185	—	—	6.70E-02	µg/L	J	J	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.293	—	—	6.70E-02	µg/L	—	U	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.304	—	—	6.70E-02	µg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.346	—	—	5.00E-02	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.313	—	—	6.70E-02	µg/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.167	—	—	6.70E-02	µg/L	J	J	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.31	—	—	6.70E-02	µg/L	—	U	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.301	—	—	6.70E-02	µg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.342	—	—	5.00E-02	µg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	µg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	12.4	—	—	1.00E+00	µg/L	—	—	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.1	—	—	1.00E+00	µg/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	µg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	µg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.1	—	—	1.00E+00	µg/L	—	—	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	µg/L	—	—	11-491	CASA-11-1374	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	825.4	11/09/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	25.2	—	—	3.30E+00	µg/L	—	—	12-317	CASA-12-1386	GELC
R-35b	825.4	08/12/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.5	—	—	3.30E+00	µg/L	—	—	11-3193	CASA-11-24782	GELC
R-35b	825.4	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28.2	—	—	3.30E+00	µg/L	—	—	11-2596	CASA-11-10814	GELC
R-35b	825.4	02/28/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28	—	—	3.30E+00	µg/L	—	J	11-1480	CASA-11-4564	GELC
R-35b	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	29.7	—	—	3.30E+00	µg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27	—	—	3.30E+00	µg/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	08/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.8	—	—	3.30E+00	µg/L	—	—	11-3193	CASA-11-24783	GELC
R-35b	825.4	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	28.4	—	—	3.30E+00	µg/L	—	—	11-2596	CASA-11-10815	GELC
R-35b	825.4	02/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	28.5	—	—	3.30E+00	µg/L	—	J	11-1480	CASA-11-4563	GELC
R-35b	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	40.8	—	—	3.30E+00	µg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.472	4.67E-02	3.10E-01	—	pCi/L	—	—	12-317	CASA-12-1387	GELC
R-35b	825.4	02/11/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0	3.33E-02	4.00E-01	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.141	3.27E-02	3.30E-01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.409	5.33E-02	4.70E-01	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	825.4	02/07/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.198	3.67E-02	3.60E-01	—	pCi/L	U	U	08-601	CASA-08-10559	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.127	5.67E-02	5.80E-01	—	pCi/L	U	U	12-317	CASA-12-1387	GELC
R-35b	825.4	02/11/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.164	7.00E-02	7.30E-01	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0792	7.67E-02	9.20E-01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.75	6.67E-02	4.40E-01	—	pCi/L	—	—	08-1662	CASA-08-14384	GELC
R-35b	825.4	02/07/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.363	6.67E-02	6.20E-01	—	pCi/L	U	U	08-601	CASA-08-10559	GELC
R-35b	825.4	11/09/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.72	2.30E-01	2.37E+00	—	pCi/L	U	U	12-306	CASA-12-1387	ARSL
R-35b	825.4	06/01/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03	2.77E-01	2.78E+00	—	pCi/L	U	U	11-2593	CASA-11-10815	ARSL
R-35b	825.4	11/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	27.04	1.40E+00	2.68E+00	—	pCi/L	—	R	11-556	CASA-11-1374	ARSL
R-35b	825.4	11/11/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.32	2.66E-01	2.68E+00	—	pCi/L	U	U	11-556	CASA-11-1374	ARSL
R-35b	825.4	05/12/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35	1.70E-01	1.63E+00	—	pCi/L	U	U	10-3221	CASA-10-16783	ARSL
R-35b	825.4	02/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.22	9.58E-02	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9469	UMTL
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.7	—	—	7.30E-01	mg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.6	—	—	7.30E-01	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.4	—	—	7.30E-01	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.1	—	—	7.30E-01	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.7	—	—	7.30E-01	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.101	—	—	6.60E-02	mg/L	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.107	—	—	6.60E-02	mg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.115	—	—	6.60E-02	mg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.111	—	—	6.60E-02	mg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0912	—	—	6.60E-02	mg/L	J	J	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.7	—	—	5.00E-02	mg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.3	—	—	5.00E-02	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	5.00E-02	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.9	—	—	5.00E-02	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.7	—	—	5.00E-02	mg/L	—	—	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.6	—	—	5.00E-02	mg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.05	—	—	6.60E-02	mg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.85	—	—	6.60E-02	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.79	—	—	6.60E-02	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.97	—	—	6.60E-02	mg/L	—	—	11-1456	CASA-11-4566	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.71	—	—	6.60E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.402	—	—	3.30E-02	mg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.496	—	—	3.30E-02	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.562	—	—	3.30E-02	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.614	—	—	3.30E-02	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.489	—	—	3.30E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.8	—	—	4.50E-01	mg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	66.3	—	—	4.50E-01	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.4	—	—	4.50E-01	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.9	—	—	4.50E-01	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.7	—	—	3.50E-01	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85	—	—	4.50E-01	mg/L	—	—	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.7	—	—	4.50E-01	mg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.7	—	—	4.50E-01	mg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.1	—	—	4.50E-01	mg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.3	—	—	3.50E-01	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.39	—	—	1.10E-01	mg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.38	—	—	1.10E-01	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4	—	—	1.10E-01	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	1.10E-01	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.32	—	—	8.50E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.29	—	—	1.10E-01	mg/L	—	—	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.19	—	—	1.10E-01	mg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.35	—	—	1.10E-01	mg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.33	—	—	1.10E-01	mg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.41	—	—	8.50E-02	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.14	—	—	1.00E-01	mg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.26	—	—	1.00E-01	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.71	—	—	5.00E-02	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.07	—	—	1.00E-01	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.26	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.845	—	—	5.00E-02	µg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.55	—	—	2.50E-01	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.64	—	—	2.00E-01	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.68	—	—	2.00E-01	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.7	—	—	2.00E-01	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.39	—	—	1.00E-02	SU	H	J-	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J-	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.75	—	—	1.00E-02	SU	H	J-	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.59	—	—	1.00E-02	SU	H	J-	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.03	—	—	5.00E-02	mg/L	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.03	—	—	5.00E-02	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.94	—	—	5.00E-02	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.92	—	—	5.00E-02	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.16	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.54	—	—	5.00E-02	mg/L	—	J	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.97	—	—	5.00E-02	mg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.2	—	—	5.00E-02	mg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.99	—	—	5.00E-02	mg/L	—	—	11-1456	CASA-11-4565	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.9	—	—	1.00E-01	mg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	1.00E-01	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	1.00E-01	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	1.00E-01	mg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.1	—	—	1.00E-01	mg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	1.00E-01	mg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	1.00E-01	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	222	—	—	1.00E+00	µS/cm	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	196	—	—	1.00E+00	µS/cm	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	µS/cm	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	186	—	—	1.00E+00	µS/cm	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	193	—	—	1.00E+00	µS/cm	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.82	—	—	1.00E-01	mg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.65	—	—	1.00E-01	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.88	—	—	1.00E-01	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.23	—	—	1.00E-01	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.74	—	—	1.00E-01	mg/L	—	J+	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	193	—	—	3.40E+00	mg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	171	—	—	3.40E+00	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	168	—	—	2.40E+00	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	171	—	—	2.40E+00	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	167	—	—	2.40E+00	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.85	—	—	1.70E+00	µg/L	J	J+	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.73	—	—	1.50E+00	µg/L	J	J	11-492	CASA-11-1377	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.3	—	—	1.00E+00	µg/L	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.4	—	—	1.00E+00	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.7	—	—	1.00E+00	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.9	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.3	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40.5	—	—	1.00E+00	µg/L	—	J	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.4	—	—	1.00E+00	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.3	—	—	1.00E+00	µg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.1	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.2	—	—	1.50E+01	µg/L	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.2	—	—	1.50E+01	µg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	µg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.50E+01	µg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.1	—	—	1.50E+01	µg/L	J	J	11-492	CASA-11-1377	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	30.7	—	—	1.50E+01	µg/L	J	J	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25	—	—	1.50E+01	µg/L	J	J	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.1	—	—	1.50E+01	µg/L	J	J	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.5	—	—	1.50E+01	µg/L	J	J	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.8	—	—	1.50E+01	µg/L	J	J	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.35	—	—	2.00E+00	µg/L	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.48	—	—	2.00E+00	µg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.89	—	—	2.00E+00	µg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.24	—	—	2.00E+00	µg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.72	—	—	2.50E+00	µg/L	J	J	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.02	—	—	2.00E+00	µg/L	J	J	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.87	—	—	2.00E+00	µg/L	J	J	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.7	—	—	2.00E+00	µg/L	J	J	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.01	—	—	2.00E+00	µg/L	J	J	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.23	—	—	2.50E+00	µg/L	J	J	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.05	—	—	2.00E+00	µg/L	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.01	—	—	2.00E+00	µg/L	J	J	11-492	CASA-11-1377	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.06	—	—	2.00E+00	µg/L	J	J	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.22	—	—	2.00E+00	µg/L	J	J	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.82	—	—	1.70E-01	µg/L	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.23	—	—	1.70E-01	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.7	—	—	1.70E-01	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.77	—	—	1.70E-01	µg/L	—	J	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.63	—	—	1.00E-01	µg/L	—	J	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.9	—	—	1.70E-01	µg/L	—	J	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.87	—	—	1.70E-01	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.62	—	—	1.70E-01	µg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.81	—	—	1.70E-01	µg/L	—	J	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.73	—	—	1.00E-01	µg/L	—	J	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.601	—	—	5.00E-01	µg/L	J	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.71	—	—	5.00E-01	µg/L	J	J	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.43	—	—	5.00E-01	µg/L	J	J	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.74	—	—	5.00E-01	µg/L	J	J	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.568	—	—	5.00E-01	µg/L	J	J	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.25	—	—	5.00E-01	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.38	—	—	5.00E-01	µg/L	J	J	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.98	—	—	5.00E-01	µg/L	J	J	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.4	—	—	5.30E-02	mg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75	—	—	5.30E-02	mg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.6	—	—	5.30E-02	mg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.4	—	—	5.30E-02	mg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	5.30E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.7	—	—	1.00E+00	µg/L	—	—	12-366	CASA-12-1390	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.4	—	—	1.00E+00	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1.00E+00	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	69.3	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.1	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	92.2	—	—	1.00E+00	µg/L	—	—	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.1	—	—	1.00E+00	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.5	—	—	1.00E+00	µg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.6	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.1	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.315	—	—	6.70E-02	µg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.322	—	—	6.70E-02	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.316	—	—	6.70E-02	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.337	—	—	6.70E-02	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.326	—	—	5.00E-02	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.315	—	—	6.70E-02	µg/L	—	—	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.302	—	—	6.70E-02	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.304	—	—	6.70E-02	µg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.347	—	—	6.70E-02	µg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.325	—	—	5.00E-02	µg/L	—	—	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	µg/L	—	J	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1.00E+00	µg/L	—	J	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.6	—	—	1.00E+00	µg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1.00E+00	µg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	µg/L	—	—	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	50.7	—	—	3.30E+00	µg/L	—	—	12-366	CASA-12-1390	GELC
R-36	766.9	08/15/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	56.5	—	—	3.30E+00	µg/L	—	—	11-3206	CASA-11-24788	GELC
R-36	766.9	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	50.4	—	—	3.30E+00	µg/L	—	—	11-2608	CASA-11-10817	GELC
R-36	766.9	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	55.5	—	—	3.30E+00	µg/L	—	—	11-1456	CASA-11-4566	GELC
R-36	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	59.8	—	—	3.30E+00	µg/L	—	—	11-492	CASA-11-1377	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.42	—	—	3.30E+00	µg/L	J	J	12-366	CASA-12-1388	GELC
R-36	766.9	08/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	55.5	—	—	3.30E+00	µg/L	—	—	11-3206	CASA-11-24789	GELC
R-36	766.9	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	58.5	—	—	3.30E+00	µg/L	—	—	11-2608	CASA-11-10816	GELC
R-36	766.9	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	63.4	—	—	3.30E+00	µg/L	—	—	11-1456	CASA-11-4565	GELC
R-36	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	63.7	—	—	3.30E+00	µg/L	—	—	11-492	CASA-11-1376	GELC
R-36	766.9	11/16/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	12.08	6.73E-01	2.31E+00	—	pCi/L	—	—	12-414	CASA-12-1388	ARSL
R-36	766.9	06/02/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	15.93	8.73E-01	2.84E+00	—	pCi/L	—	J	11-2626	CASA-11-10816	ARSL
R-36	766.9	11/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	93.01	4.67E+00	2.30E+00	—	pCi/L	—	R	11-556	CASA-11-1376	ARSL
R-36	766.9	11/11/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	21.20	1.11E+00	2.30E+00	—	pCi/L	—	—	11-556	CASA-11-1376	ARSL
R-36	766.9	05/12/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	12.96	6.92E-01	1.79E+00	—	pCi/L	—	—	10-3221	CASA-10-16793	ARSL
R-36	766.9	02/04/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	18.62	2.13E-01	2.87E-01	—	pCi/L	—	—	10-1658	CASA-10-9493	UMTL
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.7	—	—	7.30E-01	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.3	—	—	7.30E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.1	—	—	7.30E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.5	—	—	7.30E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.221	—	—	6.60E-02	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.206	—	—	6.60E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.201	—	—	6.60E-02	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.202	—	—	6.60E-02	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.226	—	—	6.60E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	54.3	—	—	5.00E-02	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	56.5	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	50.7	—	—	5.00E-02	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	49.2	—	—	5.00E-02	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	51.4	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	53.5	—	—	5.00E-02	mg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	54.6	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	52.6	—	—	5.00E-02	mg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	50.2	—	—	5.00E-02	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	51.5	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	40.3	—	—	3.30E-01	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	38.4	—	—	3.30E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	37.9	—	—	3.30E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	37.5	—	—	3.30E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	35.9	—	—	3.30E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00504	—	—	1.50E-03	mg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00361	—	—	1.50E-03	mg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00293	—	—	1.50E-03	mg/L	J	J	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00395	—	—	1.70E-03	mg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.265	—	—	3.30E-02	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.248	—	—	3.30E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.276	—	—	3.30E-02	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.266	—	—	3.30E-02	mg/L	—	J-	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	198	—	—	4.50E-01	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	206	—	—	4.50E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	184	—	—	4.50E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	180	—	—	4.50E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	189	—	—	3.50E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	194	—	—	4.50E-01	mg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	198	—	—	4.50E-01	mg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	190	—	—	4.50E-01	mg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	183	—	—	4.50E-01	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	189	—	—	3.50E-01	mg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15	—	—	1.10E-01	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.7	—	—	1.10E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	1.10E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	1.10E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.6	—	—	8.50E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.8	—	—	1.10E-01	mg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.1	—	—	1.10E-01	mg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.3	—	—	1.10E-01	mg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.1	—	—	1.10E-01	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.6	—	—	8.50E-02	mg/L	—	—	11-467	CAMO-11-1273	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.56	—	—	1.00E-01	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.75	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.057	—	—	5.00E-02	mg/L	J	J	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.98	—	—	1.00E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6	—	—	2.50E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.22	—	—	1.00E-01	µg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.42	—	—	1.00E-01	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.27	—	—	1.00E-01	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.37	—	—	1.00E-01	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.46	—	—	1.00E-01	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.55	—	—	1.00E-02	SU	H	J-	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.63	—	—	1.00E-02	SU	H	J-	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.71	—	—	1.00E-02	SU	H	J-	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.55	—	—	1.00E-02	SU	H	J-	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.69	—	—	1.00E-02	SU	H	J-	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.68	—	—	5.00E-02	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.59	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.64	—	—	5.00E-02	mg/L	E	J	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.45	—	—	5.00E-02	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.34	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.74	—	—	5.00E-02	mg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.56	—	—	5.00E-02	mg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.63	—	—	5.00E-02	mg/L	E	J	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.52	—	—	5.00E-02	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.34	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.7	—	—	1.00E-01	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	1.00E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	1.00E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.6	—	—	1.00E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	1.00E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.5	—	—	1.00E-01	mg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.6	—	—	1.00E-01	mg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	1.00E-01	mg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.9	—	—	1.00E-01	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	1.00E-01	mg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	473	—	—	1.00E+00	µS/cm	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	454	—	—	1.00E+00	µS/cm	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	473	—	—	1.00E+00	µS/cm	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	450	—	—	1.00E+00	µS/cm	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	466	—	—	1.00E+00	µS/cm	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	75.4	—	—	5.00E-01	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	71.3	—	—	5.00E-01	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	75.1	—	—	5.00E-01	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	74.5	—	—	5.00E-01	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	71.2	—	—	5.00E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	351	—	—	3.40E+00	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	327	—	—	3.40E+00	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	334	—	—	2.40E+00	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	340	—	—	2.40E+00	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	359	—	—	2.40E+00	mg/L	—	—	11-467	CAMO-11-1274	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	11/10/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.0742	—	—	3.50E-02	mg/L	J	J	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.0823	—	—	3.50E-02	mg/L	J	U	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.218	—	—	3.50E-02	mg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.073	—	—	3.30E-02	mg/L	J	J-	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.168	—	—	3.30E-02	mg/L	—	J+	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.2	—	—	3.30E-01	mg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.952	—	—	3.30E-01	mg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.13	—	—	3.30E-01	mg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.35	—	—	3.30E-01	mg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.12	—	—	3.30E-01	mg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-69.74	—	—	—	permil	—	—	12-327	CAMO-12-1491	EES6
R-42	931.8	07/13/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-70.73	—	—	—	permil	—	—	10-3664	CAMO-10-22891	EES6
R-42	931.8	05/13/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.13	—	—	—	permil	—	—	10-3173	CAMO-10-16822	EES6
R-42	931.8	05/13/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-72.69	—	—	—	permil	—	—	10-3173	CAMO-10-16822	EES6
R-42	931.8	02/10/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-71.02	—	—	—	permil	—	—	10-1803	CAMO-10-9357	EES6
R-42	931.8	02/10/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-71.04	—	—	—	permil	—	—	10-1803	CAMO-10-9357	EES6
R-42	931.8	08/14/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	<	-73.48	—	—	1.00E-03	permil	U	—	09-2892	CAMO-09-9568	EES6
R-42	931.8	11/10/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	10.66	—	—	—	permil	—	—	12-327	CAMO-12-1490	EES6
R-42	931.8	11/10/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	10.71	—	—	—	permil	—	—	12-327	CAMO-12-1490	EES6
R-42	931.8	07/13/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	10.55	—	—	—	permil	—	—	10-3664	CAMO-10-22893	EES6
R-42	931.8	02/10/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	11.38	—	—	—	permil	—	—	10-1803	CAMO-10-9355	EES6
R-42	931.8	02/10/10	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	10.76	—	—	—	permil	—	—	10-1803	CAMO-10-9355	EES6
R-42	931.8	08/14/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	<	11.12	—	—	1.00E-03	permil	U	—	09-2892	CAMO-09-9570	EES6
R-42	931.8	05/11/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	<	10.42	—	—	5.00E-05	permil	U	—	09-1820	CAMO-09-8210	EES6
R-42	931.8	11/10/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.46	—	—	—	permil	—	—	12-327	CAMO-12-1491	EES6
R-42	931.8	11/10/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.88	—	—	—	permil	—	—	12-327	CAMO-12-1491	EES6
R-42	931.8	07/13/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.13	—	—	—	permil	—	—	10-3664	CAMO-10-22891	EES6
R-42	931.8	05/13/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.76	—	—	—	permil	—	—	10-3173	CAMO-10-16822	EES6
R-42	931.8	05/13/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.98	—	—	—	permil	—	—	10-3173	CAMO-10-16822	EES6
R-42	931.8	02/10/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.94	—	—	—	permil	—	—	10-1803	CAMO-10-9357	EES6
R-42	931.8	08/14/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.86	—	—	2.00E-04	permil	—	—	09-2892	CAMO-09-9568	EES6
R-42	931.8	08/14/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.99	—	—	2.00E-04	permil	—	—	09-2892	CAMO-09-9568	EES6
R-42	931.8	11/10/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.20	—	—	—	permil	—	—	12-327	CAMO-12-1490	EES6
R-42	931.8	11/10/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.02	—	—	—	permil	—	—	12-327	CAMO-12-1490	EES6
R-42	931.8	07/13/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.73	—	—	—	permil	—	—	10-3664	CAMO-10-22893	EES6
R-42	931.8	05/13/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.62	—	—	—	permil	—	—	10-3173	CAMO-10-16821	EES6
R-42	931.8	05/13/10	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.67	—	—	—	permil	—	—	10-3173	CAMO-10-16821	EES6
R-42	931.8	02/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.76	—	—	—	permil	—	—	10-1803	CAMO-10-9355	EES6
R-42	931.8	08/14/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.75	—	—	—	permil	—	—	09-2892	CAMO-09-9570	EES6
R-42	931.8	11/10/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.07	—	—	1.70E+00	µg/L	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	11-467	CAMO-11-1274	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	95.4	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	99.8	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24640	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	89.4	—	—	1.00E+00	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	93.7	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	88.3	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	94.9	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	96.1	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	92.6	—	—	1.00E+00	µg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	94.7	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	88.6	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.9	—	—	1.50E+01	µg/L	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.9	—	—	1.50E+01	µg/L	J	J	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	µg/L	J	J	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.9	—	—	1.50E+01	µg/L	J	J	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	µg/L	J	J	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.1	—	—	1.50E+01	µg/L	J	J	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.8	—	—	1.50E+01	µg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.5	—	—	1.50E+01	µg/L	J	J	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.8	—	—	1.50E+01	µg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.3	—	—	1.50E+01	µg/L	J	J	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	935	—	—	2.00E+00	µg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	965	—	—	2.00E+00	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	891	—	—	2.00E+00	µg/L	E	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	929	—	—	2.00E+00	µg/L	E	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	995	—	—	2.50E+00	µg/L	E	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1040	—	—	1.00E+01	µg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	984	—	—	2.00E+00	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	945	—	—	2.00E+00	µg/L	E	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	977	—	—	2.00E+00	µg/L	E	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1270	—	—	5.00E+01	µg/L	E	—	11-467	CAMO-11-1273	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.77	—	—	3.00E+00	µg/L	J	J	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	5.19	—	—	3.00E+00	µg/L	J	J	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.06	—	—	3.00E+00	µg/L	J	J	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.34	—	—	3.00E+00	µg/L	J	J	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.75	—	—	3.00E+00	µg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-467	CAMO-11-1273	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	32.5	—	—	3.00E+01	µg/L	J	J	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	39.3	—	—	3.00E+01	µg/L	J	J	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	221	—	—	3.00E+01	µg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	32.3	—	—	3.00E+01	µg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	32.4	—	—	3.00E+01	µg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	60.8	—	—	3.00E+01	µg/L	J	J	11-467	CAMO-11-1273	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-467	CAMO-11-1274	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.555	—	—	5.00E-01	µg/L	J	J	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.08	—	—	5.00E-01	µg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.93	—	—	5.00E-01	µg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	1.41	—	—	5.00E-01	µg/L	J	U	11-467	CAMO-11-1273	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.43	—	—	2.00E+00	µg/L	J	J	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.46	—	—	2.00E+00	µg/L	J	J	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.36	—	—	2.00E+00	µg/L	J	J	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.9	—	—	2.00E+00	µg/L	J	J	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.23	—	—	2.00E+00	µg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.35	—	—	2.00E+00	µg/L	J	J	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.62	—	—	2.00E+00	µg/L	J	J	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.497	—	—	1.70E-01	µg/L	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.569	—	—	1.70E-01	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.467	—	—	1.70E-01	µg/L	J	J	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.612	—	—	1.70E-01	µg/L	—	U	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.635	—	—	1.00E-01	µg/L	—	U	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.509	—	—	1.70E-01	µg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.515	—	—	1.70E-01	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.491	—	—	1.70E-01	µg/L	J	J	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.611	—	—	1.70E-01	µg/L	—	U	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.706	—	—	1.00E-01	µg/L	—	U	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	20.8	—	—	5.00E-01	µg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	21.6	—	—	5.00E-01	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	23.1	—	—	5.00E-01	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	29.6	—	—	5.00E-01	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	24.5	—	—	5.00E-01	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	24.4	—	—	2.50E+00	µg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	22	—	—	5.00E-01	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	23.8	—	—	5.00E-01	µg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	30.3	—	—	5.00E-01	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	26.4	—	—	5.00E-01	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.6	—	—	5.30E-02	mg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.4	—	—	5.30E-02	mg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.9	—	—	5.30E-02	mg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.7	—	—	5.30E-02	mg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.1	—	—	5.30E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	208	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	208	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	187	—	—	1.00E+00	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	192	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	206	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00E+00	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	195	—	—	1.00E+00	µg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	195	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	188	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.702	—	—	6.70E-02	µg/L	—	—	12-323	CAMO-12-1490	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.57	—	—	6.70E-02	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.617	—	—	6.70E-02	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.629	—	—	6.70E-02	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.686	—	—	5.00E-02	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.676	—	—	6.70E-02	µg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.598	—	—	6.70E-02	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.624	—	—	6.70E-02	µg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.641	—	—	6.70E-02	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.736	—	—	5.00E-02	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.92	—	—	1.00E+00	µg/L	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.49	—	—	1.00E+00	µg/L	J	J	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	4.53	—	—	1.00E+00	µg/L	J	U	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.35	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.1	—	—	1.00E+00	µg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.26	—	—	1.00E+00	µg/L	J	J	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5.56	—	—	1.00E+00	µg/L	—	U	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.54	—	—	1.00E+00	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.18	—	—	1.00E+00	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.72	—	—	3.30E+00	µg/L	J	J	12-323	CAMO-12-1490	GELC
R-42	931.8	08/02/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	3.30E+00	µg/L	—	—	11-3009	CAMO-11-24640	GELC
R-42	931.8	05/31/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.2	—	—	3.30E+00	µg/L	—	—	11-2580	CAMO-11-10718	GELC
R-42	931.8	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	19.5	—	—	3.30E+00	µg/L	—	—	11-1402	CAMO-11-4600	GELC
R-42	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.7	—	—	3.30E+00	µg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.1	—	—	3.30E+00	µg/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	08/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.1	—	—	3.30E+00	µg/L	—	—	11-3009	CAMO-11-24639	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.4	—	—	3.30E+00	µg/L	—	—	11-2580	CAMO-11-10717	GELC
R-42	931.8	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.3	—	—	3.30E+00	µg/L	—	—	11-1402	CAMO-11-4601	GELC
R-42	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.3	—	—	3.30E+00	µg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	931.8	11/10/11	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	315	2.37E+01	1.70E+02	—	pCi/L	—	—	12-323	CAMO-12-1491	GELC
R-42	931.8	05/31/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	206.81061	1.04E+01	2.91E+00	—	pCi/L	—	—	11-2581	CAMO-11-10717	ARSL
R-42	931.8	11/10/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	329.7519	2.51E+01	2.34E+02	—	pCi/L	—	R	11-474	CAMO-11-1273	ARSL
R-42	931.8	11/10/10	WG	UF	RE	—	Rad	EPA:906.0	Tritium	—	329.7519	2.51E+01	2.34E+02	—	pCi/L	—	—	11-474	CAMO-11-1273	ARSL
R-42	931.8	05/13/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	148.4345	2.67E+01	2.62E+02	—	pCi/L	U	U	10-3219	CAMO-10-16822	ARSL
R-42	931.8	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	224.7872	2.45E+00	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9357	UMTL
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	41.2	—	—	7.30E-01	mg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	37.5	—	—	7.30E-01	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	39	—	—	7.30E-01	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	39.8	—	—	7.30E-01	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	39.4	—	—	7.30E-01	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0177	—	—	1.60E-02	mg/L	J	J	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.065	—	—	1.60E-02	mg/L	—	J-	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.068	—	—	1.60E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.127	—	—	6.60E-02	mg/L	J	J	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0902	—	—	6.60E-02	mg/L	J	J	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.107	—	—	6.60E-02	mg/L	J	J	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.09	—	—	6.60E-02	mg/L	J	J	11-551	CASA-11-1378	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	5.00E-02	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	5.00E-02	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	5.00E-02	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	5.00E-02	mg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	5.00E-02	mg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	5.00E-02	mg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.56	—	—	6.60E-02	mg/L	—	J+	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.64	—	—	6.60E-02	mg/L	—	J+	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.4	—	—	6.60E-02	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.66	—	—	6.60E-02	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.26	—	—	6.60E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.377	—	—	3.30E-02	mg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.346	—	—	3.30E-02	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.353	—	—	3.30E-02	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.375	—	—	3.30E-02	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.337	—	—	3.30E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.5	—	—	4.50E-01	mg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.7	—	—	4.50E-01	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57	—	—	4.50E-01	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.1	—	—	4.50E-01	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.1	—	—	3.50E-01	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.8	—	—	4.50E-01	mg/L	—	—	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.1	—	—	4.50E-01	mg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.4	—	—	4.50E-01	mg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.7	—	—	4.50E-01	mg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.6	—	—	3.50E-01	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	1.10E-01	mg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.99	—	—	1.10E-01	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	1.10E-01	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.81	—	—	1.10E-01	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.95	—	—	1.10E-01	mg/L	—	—	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.82	—	—	1.10E-01	mg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.75	—	—	1.10E-01	mg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.73	—	—	1.10E-01	mg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.14	—	—	1.00E-01	mg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.56	—	—	1.00E-01	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.5	—	—	5.00E-02	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.42	—	—	1.00E-01	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.5	—	—	2.50E-01	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.94	—	—	1.00E-01	µg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.982	—	—	5.00E-02	µg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.955	—	—	5.00E-02	µg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.964	—	—	1.00E-01	µg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.955	—	—	5.00E-02	µg/L	—	—	11-551	CASA-11-1378	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.15	—	—	1.00E-02	SU	H	J-	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	J	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	J	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	J	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	J	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.41	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	µS/cm	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	180	—	—	1.00E+00	µS/cm	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	172	—	—	1.00E+00	µS/cm	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	µS/cm	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	µS/cm	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.8	—	—	1.00E-01	mg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.5	—	—	1.00E-01	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.3	—	—	1.00E-01	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.9	—	—	1.00E-01	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.5	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	186	—	—	3.40E+00	mg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	3.40E+00	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40E+00	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	178	—	—	2.40E+00	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	185	—	—	2.40E+00	mg/L	—	J	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.61	—	—	3.30E-01	mg/L	J	J	12-345	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.343	—	—	3.30E-01	mg/L	J	J	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.6	—	—	3.30E-01	mg/L	J	J	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.15	—	—	3.30E-01	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0216	—	—	1.50E-02	mg/L	J	J	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.123	—	—	1.50E-02	mg/L	—	U	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0376	—	—	1.50E-02	mg/L	J	U	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.023	—	—	1.50E-02	mg/L	J	U	11-551	CASA-11-1378	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	903.9	11/15/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.29	—	—	—	permil	—	—	12-344	CASA-12-1391	EES6
R-43	903.9	11/15/11	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.02	—	—	—	permil	—	—	12-344	CASA-12-1391	EES6
R-43	903.9	07/15/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.06	—	—	—	permil	—	—	10-3715	CASA-10-22705	EES6
R-43	903.9	05/10/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.19	—	—	—	permil	—	—	10-3161	CASA-10-16795	EES6
R-43	903.9	05/10/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.59	—	—	—	permil	—	—	10-3161	CASA-10-16795	EES6
R-43	903.9	02/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.28	—	—	—	permil	—	—	10-1593	CASA-10-9484	EES6
R-43	903.9	02/02/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.28	—	—	—	permil	—	—	10-1593	CASA-10-9484	EES6
R-43	903.9	11/19/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.70	—	—	—	permil	—	—	10-630	CASA-10-3858	EES6
R-43	903.9	11/19/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.43	—	—	—	permil	—	—	10-630	CASA-10-3858	EES6
R-43	903.9	11/15/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.22	—	—	—	permil	—	—	12-344	CASA-12-1393	EES6
R-43	903.9	11/15/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.65	—	—	—	permil	—	—	12-344	CASA-12-1393	EES6
R-43	903.9	07/15/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.91	—	—	—	permil	—	—	10-3715	CASA-10-22706	EES6
R-43	903.9	05/10/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.97	—	—	—	permil	—	—	10-3161	CASA-10-16794	EES6
R-43	903.9	02/02/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.09	—	—	—	permil	—	—	10-1593	CASA-10-9481	EES6
R-43	903.9	11/19/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.34	—	—	—	permil	—	—	10-630	CASA-10-3857	EES6
R-43	903.9	11/15/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.59	—	—	—	permil	—	—	12-344	CASA-12-1391	EES6
R-43	903.9	11/15/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.59	—	—	—	permil	—	—	12-344	CASA-12-1391	EES6
R-43	903.9	07/15/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.04	—	—	—	permil	—	—	10-3715	CASA-10-22705	EES6
R-43	903.9	05/10/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.72	—	—	—	permil	—	—	10-3161	CASA-10-16795	EES6
R-43	903.9	05/10/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.71	—	—	—	permil	—	—	10-3161	CASA-10-16795	EES6
R-43	903.9	02/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.58	—	—	—	permil	—	—	10-1593	CASA-10-9484	EES6
R-43	903.9	02/02/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.73	—	—	—	permil	—	—	10-1593	CASA-10-9484	EES6
R-43	903.9	11/19/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.64	—	—	—	permil	—	—	10-630	CASA-10-3858	EES6
R-43	903.9	11/19/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.79	—	—	—	permil	—	—	10-630	CASA-10-3858	EES6
R-43	903.9	11/15/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.87	—	—	—	permil	—	—	12-344	CASA-12-1393	EES6
R-43	903.9	11/15/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.13	—	—	—	permil	—	—	12-344	CASA-12-1393	EES6
R-43	903.9	07/15/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.47	—	—	—	permil	—	—	10-3715	CASA-10-22706	EES6
R-43	903.9	05/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.10	—	—	—	permil	—	—	10-3161	CASA-10-16794	EES6
R-43	903.9	11/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.58	—	—	—	permil	—	—	10-630	CASA-10-3857	EES6
R-43	903.9	08/18/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.45	—	—	—	permil	—	—	09-2936	CASA-09-10396	EES6
R-43	903.9	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.7	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.6	—	—	1.00E+00	µg/L	—	J	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.5	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22	—	—	1.00E+00	µg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.9	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.9	—	—	1.00E+00	µg/L	—	J	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.9	—	—	1.00E+00	µg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	37.6	—	—	1.50E+01	µg/L	J	J	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.3	—	—	1.50E+01	µg/L	J	J	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.8	—	—	1.50E+01	µg/L	J	J	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	µg/L	J	J	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	µg/L	J	J	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16	—	—	1.50E+01	µg/L	J	J	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.8	—	—	1.50E+01	µg/L	J	J	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	1.50E+01	µg/L	J	J	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.50E+01	µg/L	J	J	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17	—	—	1.50E+01	µg/L	J	J	11-551	CASA-11-1379	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	903.9	11/15/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	37	—	—	1.00E+01	µg/L	J	J	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	28.6	—	—	2.00E+00	µg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	22.8	—	—	2.00E+00	µg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16	—	—	2.00E+00	µg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.3	—	—	2.50E+00	µg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	37	—	—	1.00E+01	µg/L	J	J	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	28.2	—	—	2.00E+00	µg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	21.1	—	—	2.00E+00	µg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.9	—	—	2.00E+00	µg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.7	—	—	2.50E+00	µg/L	—	—	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.70E-01	µg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.70E-01	µg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.70E-01	µg/L	—	J	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.70E-01	µg/L	—	J	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.63	—	—	1.00E-01	µg/L	—	U	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.70E-01	µg/L	—	—	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.70E-01	µg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.08	—	—	1.70E-01	µg/L	—	J	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.70E-01	µg/L	—	J	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.57	—	—	1.00E-01	µg/L	—	U	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.9	—	—	5.30E-02	mg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.9	—	—	5.30E-02	mg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.6	—	—	5.30E-02	mg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.9	—	—	5.30E-02	mg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.8	—	—	5.30E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	102	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	70.9	—	—	1.00E+00	µg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.2	—	—	1.00E+00	µg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.9	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.1	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.1	—	—	1.00E+00	µg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.1	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.8	—	—	1.00E+00	µg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.8	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.076	—	—	6.70E-02	µg/L	J	J	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.074	—	—	6.70E-02	µg/L	J	J	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.096	—	—	6.70E-02	µg/L	J	J	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.122	—	—	6.70E-02	µg/L	J	J	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.16	—	—	5.00E-02	µg/L	J	U	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.084	—	—	6.70E-02	µg/L	J	J	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	6.70E-02	µg/L	U	U	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.094	—	—	6.70E-02	µg/L	J	J	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.123	—	—	6.70E-02	µg/L	J	J	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.114	—	—	5.00E-02	µg/L	J	U	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.72	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1393	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.99	—	—	1.00E+00	µg/L	—	—	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.63	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.93	—	—	1.00E+00	µg/L	—	—	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.48	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1378	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	903.9	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.22	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.55	—	—	1.00E+00	µg/L	—	—	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.28	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.19	—	—	1.00E+00	µg/L	—	—	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.61	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1379	GELC
R-43	903.9	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.86	—	—	3.30E+00	µg/L	J	J	11-3244	CASA-11-24784	GELC
R-43	903.9	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-2459	CASA-11-10819	GELC
R-43	903.9	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-1436	CASA-11-4568	GELC
R-43	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.98	—	—	3.30E+00	µg/L	J	J	11-551	CASA-11-1378	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.12	—	—	3.30E+00	µg/L	J	J	12-346	CASA-12-1391	GELC
R-43	903.9	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.11	—	—	3.30E+00	µg/L	J	J	11-3244	CASA-11-24785	GELC
R-43	903.9	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-2459	CASA-11-10818	GELC
R-43	903.9	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-1436	CASA-11-4567	GELC
R-43	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.69	—	—	3.30E+00	µg/L	J	J	11-551	CASA-11-1379	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.272	4.67E-02	4.00E-01	—	pCi/L	U	U	12-346	CASA-12-1391	GELC
R-43	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.0898	3.67E-02	4.80E-01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.233	3.67E-02	3.40E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.883	8.33E-02	5.50E-01	—	pCi/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.123	5.67E-02	6.30E-01	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.382	8.33E-02	8.00E-01	—	pCi/L	U	U	12-346	CASA-12-1391	GELC
R-43	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.377	8.33E-02	8.20E-01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.537	9.33E-02	8.70E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.272	5.33E-02	5.20E-01	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.521	5.67E-02	4.10E-01	—	pCi/L	—	—	09-227	CASA-09-1018	GELC
R-43	903.9	11/15/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.27	2.20E-01	2.25E+00	—	pCi/L	U	U	12-347	CASA-12-1391	ARSL
R-43	903.9	05/18/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.26	2.45E-01	2.43E+00	—	pCi/L	U	U	11-2519	CASA-11-10818	ARSL
R-43	903.9	11/16/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	25.03	1.30E+00	2.49E+00	—	pCi/L	—	R	11-556	CASA-11-1379	ARSL
R-43	903.9	11/16/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.29	2.45E-01	2.49E+00	—	pCi/L	U	U	11-556	CASA-11-1379	ARSL
R-43	903.9	05/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.44	1.81E-01	1.63E+00	—	pCi/L	U	R	10-3122	CASA-10-16795	ARSL
R-43	903.9	05/10/10	WG	UF	DUP	—	Rad	LLEE	Tritium	<	-0.96	1.60E-01	1.63E+00	—	pCi/L	U	R	10-3122	CASA-10-16795	ARSL
R-43	903.9	05/10/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.97	1.60E-01	1.64E+00	—	pCi/L	U	U	10-3122	CASA-10-16795	ARSL
R-43	903.9	02/02/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03	9.58E-02	2.87E-01	—	pCi/L	U	U	10-1599	CASA-10-9484	UMTL
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3	—	9.15	—	—	7.30E-01	mg/L	—	—	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	9.15	—	—	7.30E-01	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	5.28	—	—	7.30E-01	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	10.1	—	—	7.30E-01	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.9	—	—	7.30E-01	mg/L	—	—	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.9	—	—	7.30E-01	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.4	—	—	7.30E-01	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.1	—	—	7.30E-01	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.7	—	—	7.30E-01	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.9	—	—	7.30E-01	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0174	—	—	1.60E-02	mg/L	J	J	12-346	CASA-12-1398	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.0701	—	—	6.60E-02	mg/L	J	J	12-346	CASA-12-1398	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0779	—	—	6.60E-02	mg/L	J	J	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0722	—	—	6.60E-02	mg/L	J	J	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.4	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.6	—	—	5.00E-02	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	5.00E-02	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	16.2	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1397	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.5	—	—	5.00E-02	mg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	3.39	—	—	6.60E-02	mg/L	—	J+	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.37	—	—	6.60E-02	mg/L	—	J+	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.51	—	—	6.60E-02	mg/L	—	J+	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.41	—	—	6.60E-02	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.56	—	—	6.60E-02	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.47	—	—	6.60E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.33	—	—	3.30E-02	mg/L	—	—	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.334	—	—	3.30E-02	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.312	—	—	3.30E-02	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.294	—	—	3.30E-02	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.344	—	—	3.30E-02	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.324	—	—	3.30E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.1	—	—	4.50E-01	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	4.50E-01	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.1	—	—	4.50E-01	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.1	—	—	4.50E-01	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.9	—	—	3.50E-01	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	58.7	—	—	4.50E-01	mg/L	—	—	12-346	CASA-12-1397	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.2	—	—	4.50E-01	mg/L	—	—	12-346	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.1	—	—	4.50E-01	mg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.8	—	—	4.50E-01	mg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.1	—	—	4.50E-01	mg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.6	—	—	3.50E-01	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.39	—	—	1.10E-01	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.59	—	—	1.10E-01	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.5	—	—	1.10E-01	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	1.10E-01	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.47	—	—	8.50E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.42	—	—	1.10E-01	mg/L	—	—	12-346	CASA-12-1397	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.49	—	—	1.10E-01	mg/L	—	—	12-346	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	1.10E-01	mg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.5	—	—	1.10E-01	mg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	1.10E-01	mg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.46	—	—	8.50E-02	mg/L	—	—	11-551	CASA-11-1380	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.6	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.63	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.389	—	—	1.00E-02	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.995	—	—	5.00E-02	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.829	—	—	1.00E-01	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.765	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.454	—	—	5.00E-02	µg/L	—	—	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.421	—	—	5.00E-02	µg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.435	—	—	5.00E-02	µg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.418	—	—	5.00E-02	µg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.447	—	—	5.00E-02	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.419	—	—	5.00E-02	µg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.63	—	—	1.00E-02	SU	H	J-	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.64	—	—	1.00E-02	SU	H	J-	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.6	—	—	1.00E-02	SU	H	J-	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.37	—	—	1.00E-02	SU	H	J-	11-2459	CASA-11-10821	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.64	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	5.00E-02	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.64	—	—	5.00E-02	mg/L	—	J	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.57	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.57	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1397	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.62	—	—	5.00E-02	mg/L	—	—	12-346	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.59	—	—	5.00E-02	mg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	5.00E-02	mg/L	—	J	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	0.267	—	—	1.00E-01	mg/L	J	J	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.5	—	—	1.00E-01	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.4	—	—	1.00E-01	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18	—	—	1.00E-01	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.8	—	—	1.00E-01	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.1	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	17.2	—	—	1.00E-01	mg/L	—	—	12-346	CASA-12-1397	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.8	—	—	1.00E-01	mg/L	—	—	12-346	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.3	—	—	1.00E-01	mg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18	—	—	1.00E-01	mg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	1.00E-01	mg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.8	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	µS/cm	—	—	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	µS/cm	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	181	—	—	1.00E+00	µS/cm	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	µS/cm	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	4.01	—	—	1.00E-01	mg/L	—	—	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.98	—	—	1.00E-01	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.04	—	—	1.00E-01	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.09	—	—	1.00E-01	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.21	—	—	1.00E-01	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.61	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	171	—	—	3.40E+00	mg/L	—	—	12-346	CASA-12-1398	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	969.1	11/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	3.40E+00	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	121	—	—	3.40E+00	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	604	—	—	9.50E+00	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	178	—	—	2.40E+00	mg/L	—	J	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.606	—	—	3.30E-01	mg/L	J	J	12-345	CASA-12-1397	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.597	—	—	3.30E-01	mg/L	J	J	12-345	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.354	—	—	3.30E-01	mg/L	J	J	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.735	—	—	3.30E-01	mg/L	J	J	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.73	—	—	3.30E-01	mg/L	J	J	11-551	CASA-11-1380	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0192	—	—	1.50E-02	mg/L	J	J	12-346	CASA-12-1398	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.075	—	—	1.50E-02	mg/L	—	U	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.039	—	—	1.50E-02	mg/L	J	U	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.018	—	—	1.50E-02	mg/L	J	U	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.031	—	—	1.50E-02	mg/L	J	U	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-73.02	—	—	—	permil	—	—	12-344	CASA-12-1396	EES6
R-43	969.1	11/15/11	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-72.70	—	—	—	permil	—	—	12-344	CASA-12-1396	EES6
R-43	969.1	07/15/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.19	—	—	—	permil	—	—	10-3715	CASA-10-22709	EES6
R-43	969.1	05/10/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.93	—	—	—	permil	—	—	10-3161	CASA-10-16799	EES6
R-43	969.1	02/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-73.65	—	—	—	permil	—	—	10-1593	CASA-10-9486	EES6
R-43	969.1	02/02/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-71.82	—	—	—	permil	—	—	10-1593	CASA-10-9486	EES6
R-43	969.1	11/19/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.73	—	—	—	permil	—	—	10-630	CASA-10-3861	EES6
R-43	969.1	11/15/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.67	—	—	—	permil	—	—	12-344	CASA-12-1395	EES6
R-43	969.1	11/15/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.52	—	—	—	permil	—	—	12-344	CASA-12-1395	EES6
R-43	969.1	07/15/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.85	—	—	—	permil	—	—	10-3715	CASA-10-22710	EES6
R-43	969.1	05/10/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.55	—	—	—	permil	—	—	10-3161	CASA-10-16798	EES6
R-43	969.1	02/02/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.48	—	—	—	permil	—	—	10-1593	CASA-10-9488	EES6
R-43	969.1	11/19/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.83	—	—	—	permil	—	—	10-630	CASA-10-3860	EES6
R-43	969.1	11/15/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.36	—	—	—	permil	—	—	12-344	CASA-12-1396	EES6
R-43	969.1	11/15/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.50	—	—	—	permil	—	—	12-344	CASA-12-1396	EES6
R-43	969.1	07/15/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.75	—	—	—	permil	—	—	10-3715	CASA-10-22709	EES6
R-43	969.1	05/10/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.55	—	—	—	permil	—	—	10-3161	CASA-10-16799	EES6
R-43	969.1	05/10/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.52	—	—	—	permil	—	—	10-3161	CASA-10-16799	EES6
R-43	969.1	02/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.95	—	—	—	permil	—	—	10-1593	CASA-10-9486	EES6
R-43	969.1	02/02/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.17	—	—	—	permil	—	—	10-1593	CASA-10-9486	EES6
R-43	969.1	11/19/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.71	—	—	—	permil	—	—	10-630	CASA-10-3861	EES6
R-43	969.1	11/19/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.56	—	—	—	permil	—	—	10-630	CASA-10-3861	EES6
R-43	969.1	11/15/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.24	—	—	—	permil	—	—	12-344	CASA-12-1395	EES6
R-43	969.1	11/15/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.38	—	—	—	permil	—	—	12-344	CASA-12-1395	EES6
R-43	969.1	07/15/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.12	—	—	—	permil	—	—	10-3715	CASA-10-22710	EES6
R-43	969.1	05/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.31	—	—	—	permil	—	—	10-3161	CASA-10-16798	EES6
R-43	969.1	02/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.29	—	—	—	permil	—	—	10-1593	CASA-10-9488	EES6
R-43	969.1	11/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.88	—	—	—	permil	—	—	10-630	CASA-10-3860	EES6
R-43	969.1	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.3	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.3	—	—	1.00E+00	µg/L	—	J	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.2	—	—	1.00E+00	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.7	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	16.1	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1397	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	969.1	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.4	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.1	—	—	1.00E+00	µg/L	—	J	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.8	—	—	1.00E+00	µg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.7	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1380	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	23.7	—	—	1.50E+01	µg/L	J	J	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	36.8	—	—	1.50E+01	µg/L	J	J	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39.6	—	—	1.50E+01	µg/L	J	J	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	40.3	—	—	1.50E+01	µg/L	J	J	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	35.8	—	—	1.50E+01	µg/L	J	J	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	36.5	—	—	1.50E+01	µg/L	J	J	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	36.1	—	—	1.50E+01	µg/L	J	J	12-346	CASA-12-1397	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	37.8	—	—	1.50E+01	µg/L	J	J	12-346	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.8	—	—	1.50E+01	µg/L	J	J	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	40.6	—	—	1.50E+01	µg/L	J	J	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	32.8	—	—	1.50E+01	µg/L	J	J	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	35.7	—	—	1.50E+01	µg/L	J	J	11-551	CASA-11-1380	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.68	—	—	1.70E-01	µg/L	—	—	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.76	—	—	1.70E-01	µg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.24	—	—	1.70E-01	µg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.97	—	—	1.70E-01	µg/L	—	J	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.26	—	—	1.70E-01	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.92	—	—	1.00E-01	µg/L	—	J	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.74	—	—	1.70E-01	µg/L	—	—	12-346	CASA-12-1397	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.74	—	—	1.70E-01	µg/L	—	—	12-346	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.16	—	—	1.70E-01	µg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.86	—	—	1.70E-01	µg/L	—	J	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.16	—	—	1.70E-01	µg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.72	—	—	1.00E-01	µg/L	—	J	11-551	CASA-11-1380	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	2.45	—	—	5.30E-02	mg/L	—	—	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69	—	—	5.30E-02	mg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.9	—	—	5.30E-02	mg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.3	—	—	5.30E-02	mg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.2	—	—	5.30E-02	mg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.2	—	—	5.30E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	98.3	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	101	—	—	1.00E+00	µg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	94.5	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	91.4	—	—	1.00E+00	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	93.3	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	96.9	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1397	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	100	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99.2	—	—	1.00E+00	µg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	94.2	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	88	—	—	1.00E+00	µg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	92.9	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1380	GELC
R-43	969.1	11/15/11	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.04	—	—	6.70E-02	µg/L	—	—	12-346	CASA-12-1398	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.05	—	—	6.70E-02	µg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.13	—	—	6.70E-02	µg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.972	—	—	6.70E-02	µg/L	—	—	11-2459	CASA-11-10821	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	6.70E-02	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	µg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.99	—	—	6.70E-02	µg/L	—	—	12-346	CASA-12-1397	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.996	—	—	6.70E-02	µg/L	—	—	12-346	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.13	—	—	6.70E-02	µg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.974	—	—	6.70E-02	µg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.18	—	—	6.70E-02	µg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	µg/L	—	—	11-551	CASA-11-1380	GELC
R-43	969.1	11/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.68	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1395	GELC
R-43	969.1	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.22	—	—	1.00E+00	µg/L	—	—	11-3244	CASA-11-24786	GELC
R-43	969.1	05/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.85	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10821	GELC
R-43	969.1	02/22/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.48	—	—	1.00E+00	µg/L	—	—	11-1423	CASA-11-4569	GELC
R-43	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.07	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1381	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	8.08	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1397	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.52	—	—	1.00E+00	µg/L	—	—	12-346	CASA-12-1396	GELC
R-43	969.1	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.47	—	—	1.00E+00	µg/L	—	—	11-3244	CASA-11-24787	GELC
R-43	969.1	05/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.19	—	—	1.00E+00	µg/L	—	—	11-2459	CASA-11-10820	GELC
R-43	969.1	02/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.09	—	—	1.00E+00	µg/L	—	—	11-1423	CASA-11-4570	GELC
R-43	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.65	—	—	1.00E+00	µg/L	—	—	11-551	CASA-11-1380	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.756	6.00E-02	2.00E-01	—	pCi/L	—	—	12-346	CASA-12-1396	GELC
R-43	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.136	2.83E-02	2.60E-01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.379	4.67E-02	3.80E-01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.73	6.33E-02	2.10E-01	—	pCi/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.351	6.00E-02	5.60E-01	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	969.1	11/15/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.153	3.33E-02	3.40E-01	—	pCi/L	U	U	12-346	CASA-12-1396	GELC
R-43	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.123	5.00E-02	5.20E-01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.3	1.27E-01	9.30E-01	—	pCi/L	—	—	09-2940	CASA-09-10402	GELC
R-43	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.454	8.33E-02	7.80E-01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.45	1.23E-01	8.30E-01	—	pCi/L	—	—	09-261	CASA-09-1028	GELC
R-43	969.1	11/15/11	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.69	2.27E-01	2.34E+00	—	pCi/L	U	U	12-347	CASA-12-1397	ARSL
R-43	969.1	11/15/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47	2.33E-01	2.32E+00	—	pCi/L	U	U	12-347	CASA-12-1396	ARSL
R-43	969.1	05/18/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.54	2.45E-01	2.52E+00	—	pCi/L	U	U	11-2519	CASA-11-10820	ARSL
R-43	969.1	11/16/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	26.73	1.38E+00	2.65E+00	—	pCi/L	—	R	11-556	CASA-11-1380	ARSL
R-43	969.1	11/16/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.48	2.66E-01	2.65E+00	—	pCi/L	U	U	11-556	CASA-11-1380	ARSL
R-43	969.1	05/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.77	2.87E-01	2.08E+00	—	pCi/L	—	R	10-3122	CASA-10-16799	ARSL
R-43	969.1	05/10/10	WG	UF	DUP	—	Rad	LLEE	Tritium	<	1.21	1.92E-01	1.72E+00	—	pCi/L	—	R	10-3122	CASA-10-16799	ARSL
R-43	969.1	05/10/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.22	1.93E-01	1.74E+00	—	pCi/L	—	U	10-3122	CASA-10-16799	ARSL
R-43	969.1	02/02/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.13	9.58E-02	2.87E-01	—	pCi/L	U	U	10-1599	CASA-10-9486	UMTL
R-44	895	11/17/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60	—	—	7.30E-01	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57	—	—	7.30E-01	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.1	—	—	7.30E-01	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.5	—	—	7.30E-01	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.1	—	—	7.30E-01	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.1	—	—	5.00E-02	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.6	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.9	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	12-378	CAMO-12-1500	GELC
R-44	895	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24645	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	895	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.6	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.15	—	—	6.60E-02	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.17	—	—	6.60E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.28	—	—	6.60E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.11	—	—	6.60E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.28	—	—	3.30E-02	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.293	—	—	3.30E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.282	—	—	3.30E-02	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.32	—	—	3.30E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.315	—	—	3.30E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.5	—	—	4.50E-01	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	4.50E-01	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47	—	—	4.50E-01	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.2	—	—	4.50E-01	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.1	—	—	3.50E-01	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.2	—	—	4.50E-01	mg/L	—	—	12-378	CAMO-12-1500	GELC
R-44	895	08/05/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.2	—	—	4.50E-01	mg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	895	05/19/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.1	—	—	4.50E-01	mg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46	—	—	4.50E-01	mg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	1.10E-01	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	1.10E-01	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.59	—	—	1.10E-01	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.51	—	—	1.10E-01	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.51	—	—	1.10E-01	mg/L	—	—	12-378	CAMO-12-1500	GELC
R-44	895	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	1.10E-01	mg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	895	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.55	—	—	1.10E-01	mg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.52	—	—	1.10E-01	mg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.66	—	—	8.50E-02	mg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.298	—	—	1.00E-02	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.12	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.35	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.11	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.123	—	—	1.00E-02	mg/L	—	J	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.403	—	—	5.00E-02	µg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.409	—	—	5.00E-02	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.41	—	—	5.00E-02	µg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.418	—	—	5.00E-02	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.444	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.87	—	—	1.00E-02	SU	H	J-	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	J	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	895	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	J	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.16	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.13	—	—	5.00E-02	mg/L	—	J	12-378	CAMO-12-1500	GELC
R-44	895	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.24	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	895	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.33	—	—	5.00E-02	mg/L	—	J	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.14	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.37	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.61	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.73	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.97	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.33	—	—	1.00E-01	mg/L	—	—	12-378	CAMO-12-1500	GELC
R-44	895	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.89	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	895	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.69	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.69	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.87	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00E+00	µS/cm	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00E+00	µS/cm	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	µS/cm	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	128	—	—	1.00E+00	µS/cm	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	136	—	—	1.00E+00	µS/cm	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.06	—	—	1.00E-01	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.95	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.13	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.25	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.05	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	3.40E+00	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	119	—	—	3.40E+00	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	129	—	—	2.40E+00	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.40E+00	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0974	—	—	1.50E-02	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.111	—	—	1.50E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0619	—	—	1.50E-02	mg/L	—	U	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.046	—	—	1.50E-02	mg/L	J	U	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.063	—	—	1.50E-02	mg/L	—	U	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.62	—	—	—	permil	—	—	12-375	CAMO-12-1500	EES6
R-44	895	07/14/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.62	—	—	—	permil	—	—	10-3700	CAMO-10-22866	EES6
R-44	895	07/14/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.24	—	—	—	permil	—	—	10-3700	CAMO-10-22866	EES6
R-44	895	05/04/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.58	—	—	—	permil	—	—	10-3021	CAMO-10-16840	EES6
R-44	895	02/10/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.00	—	—	—	permil	—	—	10-1798	CAMO-10-9370	EES6
R-44	895	11/13/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.90	—	—	—	permil	—	—	10-511	CAMO-10-3225	EES6
R-44	895	11/13/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.72	—	—	—	permil	—	—	10-511	CAMO-10-3225	EES6
R-44	895	11/17/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.10	—	—	—	permil	—	—	12-375	CAMO-12-1498	EES6
R-44	895	11/17/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.96	—	—	—	permil	—	—	12-375	CAMO-12-1498	EES6
R-44	895	07/14/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.09	—	—	—	permil	—	—	10-3700	CAMO-10-22864	EES6
R-44	895	05/04/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.49	—	—	—	permil	—	—	10-3021	CAMO-10-16841	EES6
R-44	895	02/10/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.93	—	—	—	permil	—	—	10-1798	CAMO-10-9372	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	895	11/13/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.36	—	—	—	permil	—	—	10-511	CAMO-10-3224	EES6
R-44	895	11/17/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.26	—	—	—	permil	—	—	12-375	CAMO-12-1500	EES6
R-44	895	11/17/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.99	—	—	—	permil	—	—	12-375	CAMO-12-1500	EES6
R-44	895	07/14/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.82	—	—	—	permil	—	—	10-3700	CAMO-10-22866	EES6
R-44	895	05/04/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.18	—	—	—	permil	—	—	10-3021	CAMO-10-16840	EES6
R-44	895	02/10/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.31	—	—	—	permil	—	—	10-1798	CAMO-10-9370	EES6
R-44	895	11/13/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.23	—	—	—	permil	—	—	10-511	CAMO-10-3225	EES6
R-44	895	11/13/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.24	—	—	—	permil	—	—	10-511	CAMO-10-3225	EES6
R-44	895	11/17/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.05	—	—	—	permil	—	—	12-375	CAMO-12-1498	EES6
R-44	895	11/17/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.65	—	—	—	permil	—	—	12-375	CAMO-12-1498	EES6
R-44	895	07/14/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.70	—	—	—	permil	—	—	10-3700	CAMO-10-22864	EES6
R-44	895	05/04/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.73	—	—	—	permil	—	—	10-3021	CAMO-10-16841	EES6
R-44	895	02/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.09	—	—	—	permil	—	—	10-1798	CAMO-10-9372	EES6
R-44	895	11/13/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.29	—	—	—	permil	—	—	10-511	CAMO-10-3224	EES6
R-44	895	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.2	—	—	1.00E+00	µg/L	—	J	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.6	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.5	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.1	—	—	1.00E+00	µg/L	—	J	12-378	CAMO-12-1500	GELC
R-44	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.2	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.3	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.6	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.3	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	895	11/17/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.9	—	—	2.00E+00	µg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.6	—	—	2.00E+00	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.2	—	—	2.00E+00	µg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.2	—	—	2.00E+00	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.7	—	—	2.50E+00	µg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15	—	—	2.00E+00	µg/L	—	—	12-378	CAMO-12-1500	GELC
R-44	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.6	—	—	2.00E+00	µg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.7	—	—	2.00E+00	µg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.7	—	—	2.00E+00	µg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.2	—	—	2.50E+00	µg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	895	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.67	—	—	2.00E+00	µg/L	J	J	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-600	CAMO-11-1275	GELC
R-44	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-3066	CAMO-11-24645	GELC
R-44	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-600	CAMO-11-1276	GELC
R-44	895	11/17/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.903	—	—	1.70E-01	µg/L	—	J	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.79	—	—	1.70E-01	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.87	—	—	1.70E-01	µg/L	—	J	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.995	—	—	1.70E-01	µg/L	—	J	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.12	—	—	1.00E-01	µg/L	—	U	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.925	—	—	1.70E-01	µg/L	—	J	12-378	CAMO-12-1500	GELC
R-44	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.827	—	—	1.70E-01	µg/L	—	—	11-3066	CAMO-11-24645	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.854	—	—	1.70E-01	µg/L	—	J	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.962	—	—	1.70E-01	µg/L	—	J	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.14	—	—	1.00E-01	µg/L	—	U	11-600	CAMO-11-1276	GELC
R-44	895	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.03	—	—	5.00E-01	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.73	—	—	5.00E-01	µg/L	J	J	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.55	—	—	5.00E-01	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2.76	—	—	5.00E-01	µg/L	—	U	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.555	—	—	5.00E-01	µg/L	J	J	12-378	CAMO-12-1500	GELC
R-44	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	µg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.74	—	—	5.00E-01	µg/L	J	J	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.57	—	—	5.00E-01	µg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2.92	—	—	5.00E-01	µg/L	—	U	11-600	CAMO-11-1276	GELC
R-44	895	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.6	—	—	5.30E-02	mg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68	—	—	5.30E-02	mg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.9	—	—	5.30E-02	mg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.7	—	—	5.30E-02	mg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.5	—	—	5.30E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	64	—	—	1.00E+00	µg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.6	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.1	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.6	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.4	—	—	1.00E+00	µg/L	—	—	12-378	CAMO-12-1500	GELC
R-44	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.1	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54.9	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.7	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	58.1	—	—	1.00E+00	µg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	895	11/17/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.453	—	—	6.70E-02	µg/L	—	—	12-378	CAMO-12-1498	GELC
R-44	895	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.405	—	—	6.70E-02	µg/L	—	—	11-3066	CAMO-11-24646	GELC
R-44	895	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.393	—	—	6.70E-02	µg/L	—	—	11-2471	CAMO-11-10707	GELC
R-44	895	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.501	—	—	6.70E-02	µg/L	—	—	11-1454	CAMO-11-4602	GELC
R-44	895	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.546	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	895	11/17/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.47	—	—	6.70E-02	µg/L	—	—	12-378	CAMO-12-1500	GELC
R-44	895	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.422	—	—	6.70E-02	µg/L	—	—	11-3066	CAMO-11-24645	GELC
R-44	895	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.399	—	—	6.70E-02	µg/L	—	—	11-2471	CAMO-11-10706	GELC
R-44	895	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.502	—	—	6.70E-02	µg/L	—	—	11-1454	CAMO-11-4603	GELC
R-44	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.553	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	895	11/17/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0	3.33E-02	4.10E-01	—	pCi/L	U	U	12-378	CAMO-12-1500	GELC
R-44	895	02/10/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.404	4.00E-02	2.50E-01	—	pCi/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	895	08/17/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.12	3.67E-02	3.90E-01	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	895	07/14/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.781	7.00E-02	4.20E-01	—	pCi/L	—	—	09-2648	CAMO-09-11387	GELC
R-44	895	11/17/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0398	4.33E-02	5.00E-01	—	pCi/L	U	U	12-378	CAMO-12-1500	GELC
R-44	895	02/10/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.03	1.07E-01	7.90E-01	—	pCi/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	895	08/17/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.86	1.17E-01	1.00E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	895	07/14/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.69	9.00E-02	7.50E-01	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	895	11/17/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.62	2.43E-01	2.40E+00	—	pCi/L	U	U	12-436	CAMO-12-1500	ARSL
R-44	895	05/19/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.83018	2.55E-01	2.52E+00	—	pCi/L	U	U	11-2528	CAMO-11-10706	ARSL
R-44	895	11/18/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.38458	3.73E-01	2.30E+00	—	pCi/L	—	R	11-748	CAMO-11-1276	ARSL
R-44	895	11/18/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.94773	2.55E-01	2.30E+00	—	pCi/L	U	U	11-748	CAMO-11-1276	ARSL
R-44	895	05/04/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.67053	2.13E-01	2.11E+00	—	pCi/L	U	U	10-3020	CAMO-10-16840	ARSL

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	895	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	9.58E-02	2.87E-01	—	pCi/L	—	U	10-1902	CAMO-10-9370	UMTL
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.1	—	—	7.30E-01	mg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.9	—	—	7.30E-01	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	7.30E-01	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60	—	—	7.30E-01	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.2	—	—	7.30E-01	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	5.00E-02	mg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	12-378	CAMO-12-1502	GELC
R-44	985.3	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	985.3	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	985.3	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.17	—	—	6.60E-02	mg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.28	—	—	6.60E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.25	—	—	6.60E-02	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.32	—	—	6.60E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	6.60E-02	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.346	—	—	3.30E-02	mg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.34	—	—	3.30E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.342	—	—	3.30E-02	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.377	—	—	3.30E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	4.50E-01	mg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.5	—	—	4.50E-01	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	50.6	—	—	4.50E-01	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	4.50E-01	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.7	—	—	4.50E-01	mg/L	—	—	12-378	CAMO-12-1502	GELC
R-44	985.3	08/05/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.5	—	—	4.50E-01	mg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	985.3	05/19/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51	—	—	4.50E-01	mg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	985.3	02/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	49.6	—	—	4.50E-01	mg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.61	—	—	1.10E-01	mg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.13	—	—	1.10E-01	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	1.10E-01	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	1.10E-01	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	1.10E-01	mg/L	—	—	12-378	CAMO-12-1502	GELC
R-44	985.3	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.11	—	—	1.10E-01	mg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	985.3	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	1.10E-01	mg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	985.3	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	1.10E-01	mg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.163	—	—	1.00E-02	mg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.665	—	—	5.00E-02	mg/L	—	J	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.795	—	—	5.00E-02	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.545	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0765	—	—	1.00E-02	mg/L	—	U	11-600	CAMO-11-1277	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.34	—	—	5.00E-02	µg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.353	—	—	5.00E-02	µg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.334	—	—	5.00E-02	µg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.345	—	—	5.00E-02	µg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/18/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.363	—	—	5.00E-02	µg/L	—	—	11-600	CAMO-11-1277	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.94	—	—	1.00E-02	SU	H	J-	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	11-3066	CAMO-11-24647	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.15	—	—	5.00E-02	mg/L	—	J	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	J	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.38	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	J	12-378	CAMO-12-1502	GELC
R-44	985.3	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	5.00E-02	mg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	985.3	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	J	11-2471	CAMO-11-10709	GELC
R-44	985.3	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.51	—	—	1.00E-01	mg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	12-378	CAMO-12-1502	GELC
R-44	985.3	08/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	985.3	05/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	985.3	02/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	145	—	—	1.00E+00	µS/cm	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	147	—	—	1.00E+00	µS/cm	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.76	—	—	1.00E-01	mg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.92	—	—	1.00E-01	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.12	—	—	1.00E-01	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.03	—	—	1.00E-01	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.89	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	3.40E+00	mg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	3.40E+00	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	2.40E+00	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0209	—	—	1.50E-02	mg/L	J	J	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.111	—	—	1.50E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0263	—	—	1.50E-02	mg/L	J	U	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0472	—	—	1.50E-02	mg/L	J	U	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.08	—	—	1.50E-02	mg/L	—	U	11-600	CAMO-11-1277	GELC
R-44	985.3	11/17/11	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.79	—	—	—	permil	—	—	12-375	CAMO-12-1502	EES6
R-44	985.3	07/14/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.21	—	—	—	permil	—	—	10-3700	CAMO-10-22868	EES6
R-44	985.3	07/14/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.40	—	—	—	permil	—	—	10-3700	CAMO-10-22868	EES6
R-44	985.3	05/04/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.80	—	—	—	permil	—	—	10-3021	CAMO-10-16843	EES6
R-44	985.3	02/10/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.72	—	—	—	permil	—	—	10-1798	CAMO-10-9373	EES6
R-44	985.3	11/13/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.90	—	—	—	permil	—	—	10-511	CAMO-10-3228	EES6
R-44	985.3	11/13/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.70	—	—	—	permil	—	—	10-511	CAMO-10-3228	EES6
R-44	985.3	11/17/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.59	—	—	—	permil	—	—	12-375	CAMO-12-1501	EES6
R-44	985.3	11/17/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.74	—	—	—	permil	—	—	12-375	CAMO-12-1501	EES6
R-44	985.3	07/14/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.09	—	—	—	permil	—	—	10-3700	CAMO-10-22869	EES6
R-44	985.3	05/04/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	7.36	—	—	—	permil	—	—	10-3021	CAMO-10-16844	EES6
R-44	985.3	02/10/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.68	—	—	—	permil	—	—	10-1798	CAMO-10-9374	EES6
R-44	985.3	02/10/10	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.17	—	—	—	permil	—	—	10-1798	CAMO-10-9374	EES6
R-44	985.3	11/13/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.35	—	—	—	permil	—	—	10-511	CAMO-10-3227	EES6
R-44	985.3	11/17/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.67	—	—	—	permil	—	—	12-375	CAMO-12-1502	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	985.3	11/17/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.88	—	—	—	permil	—	—	12-375	CAMO-12-1502	EES6
R-44	985.3	07/14/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.93	—	—	—	permil	—	—	10-3700	CAMO-10-22868	EES6
R-44	985.3	05/04/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.87	—	—	—	permil	—	—	10-3021	CAMO-10-16843	EES6
R-44	985.3	02/10/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.79	—	—	—	permil	—	—	10-1798	CAMO-10-9373	EES6
R-44	985.3	11/13/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.06	—	—	—	permil	—	—	10-511	CAMO-10-3228	EES6
R-44	985.3	11/13/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.15	—	—	—	permil	—	—	10-511	CAMO-10-3228	EES6
R-44	985.3	11/17/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.67	—	—	—	permil	—	—	12-375	CAMO-12-1501	EES6
R-44	985.3	11/17/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.21	—	—	—	permil	—	—	12-375	CAMO-12-1501	EES6
R-44	985.3	07/14/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.55	—	—	—	permil	—	—	10-3700	CAMO-10-22869	EES6
R-44	985.3	05/04/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.04	—	—	—	permil	—	—	10-3021	CAMO-10-16844	EES6
R-44	985.3	11/13/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.56	—	—	—	permil	—	—	10-511	CAMO-10-3227	EES6
R-44	985.3	08/17/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.50	—	—	—	permil	—	—	09-2913	CAMO-09-9925	EES6
R-44	985.3	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.8	—	—	1.00E+00	µg/L	—	J	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.9	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.4	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.8	—	—	1.00E+00	µg/L	—	J	12-378	CAMO-12-1502	GELC
R-44	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.6	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.2	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.39	—	—	2.00E+00	µg/L	J	J	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.1	—	—	2.00E+00	µg/L	J	J	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.85	—	—	2.00E+00	µg/L	J	J	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.87	—	—	2.00E+00	µg/L	J	J	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5	—	—	2.00E+00	µg/L	J	J	12-378	CAMO-12-1502	GELC
R-44	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.33	—	—	2.00E+00	µg/L	J	J	11-3066	CAMO-11-24648	GELC
R-44	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.74	—	—	2.00E+00	µg/L	J	J	11-2471	CAMO-11-10709	GELC
R-44	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.71	—	—	2.00E+00	µg/L	J	J	11-1454	CAMO-11-4605	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	38.4	—	—	3.00E+01	µg/L	J	J	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1454	CAMO-11-4604	GELC
R-44	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-3066	CAMO-11-24648	GELC
R-44	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2471	CAMO-11-10709	GELC
R-44	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1454	CAMO-11-4605	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.38	—	—	2.00E+00	µg/L	J	J	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.03	—	—	2.00E+00	µg/L	J	J	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.07	—	—	2.00E+00	µg/L	J	J	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.72	—	—	2.00E+00	µg/L	J	J	12-378	CAMO-12-1502	GELC
R-44	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.47	—	—	2.00E+00	µg/L	J	J	11-3066	CAMO-11-24648	GELC
R-44	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.09	—	—	2.00E+00	µg/L	J	J	11-2471	CAMO-11-10709	GELC
R-44	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.97	—	—	2.00E+00	µg/L	J	J	11-1454	CAMO-11-4605	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.9	—	—	5.30E-02	mg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.1	—	—	5.30E-02	mg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.2	—	—	5.30E-02	mg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.7	—	—	5.30E-02	mg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.7	—	—	5.30E-02	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.3	—	—	1.00E+00	µg/L	—	—	12-378	CAMO-12-1501	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.3	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61.8	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	66.2	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	63.2	—	—	1.00E+00	µg/L	—	—	12-378	CAMO-12-1502	GELC
R-44	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1.00E+00	µg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.1	—	—	1.00E+00	µg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	63.3	—	—	1.00E+00	µg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	985.3	11/17/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.56	—	—	6.70E-02	µg/L	—	—	12-378	CAMO-12-1501	GELC
R-44	985.3	08/05/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.483	—	—	6.70E-02	µg/L	—	—	11-3066	CAMO-11-24647	GELC
R-44	985.3	05/19/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.475	—	—	6.70E-02	µg/L	—	—	11-2471	CAMO-11-10708	GELC
R-44	985.3	02/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.634	—	—	6.70E-02	µg/L	—	—	11-1454	CAMO-11-4604	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.593	—	—	6.70E-02	µg/L	—	—	12-378	CAMO-12-1502	GELC
R-44	985.3	08/05/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	6.70E-02	µg/L	—	—	11-3066	CAMO-11-24648	GELC
R-44	985.3	05/19/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.474	—	—	6.70E-02	µg/L	—	—	11-2471	CAMO-11-10709	GELC
R-44	985.3	02/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.624	—	—	6.70E-02	µg/L	—	—	11-1454	CAMO-11-4605	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.448	5.00E-02	3.10E-01	—	pCi/L	—	U	12-378	CAMO-12-1502	GELC
R-44	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0895	2.27E-02	2.30E-01	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.392	5.00E-02	4.00E-01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.672	8.33E-02	6.80E-01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.567	6.33E-02	5.20E-01	—	pCi/L	—	U	12-378	CAMO-12-1502	GELC
R-44	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0569	6.67E-02	7.40E-01	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	1.06	1.57E-01	1.40E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.663	8.67E-02	7.40E-01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	985.3	11/17/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.42	2.10E-01	2.17E+00	—	pCi/L	U	U	12-436	CAMO-12-1502	ARSL
R-44	985.3	05/19/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.60667	2.45E-01	2.46E+00	—	pCi/L	U	U	11-2528	CAMO-11-10709	ARSL
R-44	985.3	11/18/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.8316	4.26E-01	2.59E+00	—	pCi/L	—	R	11-748	CAMO-11-1278	ARSL
R-44	985.3	11/18/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.47895	2.55E-01	2.59E+00	—	pCi/L	U	U	11-748	CAMO-11-1278	ARSL
R-44	985.3	05/04/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.24E-01	2.27E+00	—	pCi/L	U	U	10-3020	CAMO-10-16843	ARSL
R-44	985.3	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.19158	9.58E-02	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9373	UMTL
R-45	880	11/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.1	—	—	7.30E-01	mg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.5	—	—	7.30E-01	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.3	—	—	7.30E-01	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.6	—	—	7.30E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.4	—	—	7.30E-01	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0328	—	—	1.60E-02	mg/L	J	J	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0667	—	—	6.60E-02	mg/L	J	J	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0872	—	—	6.60E-02	mg/L	J	J	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0773	—	—	6.60E-02	mg/L	J	J	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	N	J-	11-2493	CAMO-11-10711	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	880	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.1	—	—	5.00E-02	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	—	—	12-363	CAMO-12-1494	GELC
R-45	880	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	880	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	5.00E-02	mg/L	N	J-	11-2493	CAMO-11-10710	GELC
R-45	880	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.1	—	—	5.00E-02	mg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	880	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.9	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.62	—	—	6.60E-02	mg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.75	—	—	6.60E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.83	—	—	6.60E-02	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.47	—	—	6.60E-02	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.52	—	—	6.60E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.328	—	—	3.30E-02	mg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.345	—	—	3.30E-02	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.299	—	—	3.30E-02	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.286	—	—	3.30E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.6	—	—	4.50E-01	mg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.2	—	—	4.50E-01	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.1	—	—	4.50E-01	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.6	—	—	4.50E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.9	—	—	3.50E-01	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.9	—	—	4.50E-01	mg/L	—	—	12-363	CAMO-12-1494	GELC
R-45	880	08/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.4	—	—	4.50E-01	mg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	880	05/20/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.6	—	—	4.50E-01	mg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	880	02/10/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.6	—	—	4.50E-01	mg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	880	11/19/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.2	—	—	3.50E-01	mg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.89	—	—	1.10E-01	mg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.82	—	—	1.10E-01	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.79	—	—	1.10E-01	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.95	—	—	1.10E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.91	—	—	8.50E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.92	—	—	1.10E-01	mg/L	—	—	12-363	CAMO-12-1494	GELC
R-45	880	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.73	—	—	1.10E-01	mg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	880	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.02	—	—	1.10E-01	mg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	880	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.93	—	—	1.10E-01	mg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	880	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.99	—	—	8.50E-02	mg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.4	—	—	5.00E-02	mg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.17	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.61	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.03	—	—	1.00E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.256	—	—	1.00E-02	mg/L	—	J	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.546	—	—	5.00E-02	µg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.547	—	—	5.00E-02	µg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.533	—	—	5.00E-02	µg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.591	—	—	5.00E-02	µg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.498	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1280	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	880	11/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.87	—	—	1.00E-02	SU	H	J-	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J-	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.25	—	—	5.00E-02	mg/L	—	J	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.06	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.24	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	J	12-363	CAMO-12-1494	GELC
R-45	880	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	880	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.12	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	880	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	880	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	12-363	CAMO-12-1494	GELC
R-45	880	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	880	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	880	02/10/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	880	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	µS/cm	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	µS/cm	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	µS/cm	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	µS/cm	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	µS/cm	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.59	—	—	1.00E-01	mg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.39	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.91	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.35	—	—	1.00E-01	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.39	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	3.40E+00	mg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	3.40E+00	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	168	—	—	2.40E+00	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0257	—	—	1.50E-02	mg/L	J	J	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0468	—	—	1.50E-02	mg/L	J	U	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0706	—	—	1.50E-02	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.05	—	—	1.50E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.35	—	—	—	permil	—	—	12-360	CAMO-12-1494	EES6
R-45	880	11/16/11	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-73.76	—	—	—	permil	—	—	12-360	CAMO-12-1494	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	880	07/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.28	—	—	—	permil	—	—	10-3564	CAMO-10-22877	EES6
R-45	880	05/13/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.92	—	—	—	permil	—	—	10-3163	CAMO-10-16825	EES6
R-45	880	05/13/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.30	—	—	—	permil	—	—	10-3163	CAMO-10-16825	EES6
R-45	880	01/27/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-72.17	—	—	—	permil	—	—	10-1463	CAMO-10-9379	EES6
R-45	880	11/16/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.62	—	—	—	permil	—	—	10-537	CAMO-10-3231	EES6
R-45	880	11/16/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.91	—	—	—	permil	—	—	12-360	CAMO-12-1492	EES6
R-45	880	11/16/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.25	—	—	—	permil	—	—	12-360	CAMO-12-1492	EES6
R-45	880	07/02/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.11	—	—	—	permil	—	—	10-3564	CAMO-10-22876	EES6
R-45	880	05/13/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.75	—	—	—	permil	—	—	10-3163	CAMO-10-16824	EES6
R-45	880	01/27/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.94	—	—	—	permil	—	—	10-1463	CAMO-10-9378	EES6
R-45	880	11/16/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.61	—	—	—	permil	—	—	10-537	CAMO-10-3229	EES6
R-45	880	11/16/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.40	—	—	—	permil	—	—	12-360	CAMO-12-1494	EES6
R-45	880	11/16/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.62	—	—	—	permil	—	—	12-360	CAMO-12-1494	EES6
R-45	880	07/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.55	—	—	—	permil	—	—	10-3564	CAMO-10-22877	EES6
R-45	880	05/13/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.65	—	—	—	permil	—	—	10-3163	CAMO-10-16825	EES6
R-45	880	05/13/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.35	—	—	—	permil	—	—	10-3163	CAMO-10-16825	EES6
R-45	880	01/27/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.29	—	—	—	permil	—	—	10-1463	CAMO-10-9379	EES6
R-45	880	01/27/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.31	—	—	—	permil	—	—	10-1463	CAMO-10-9379	EES6
R-45	880	11/16/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.72	—	—	—	permil	—	—	10-537	CAMO-10-3231	EES6
R-45	880	11/16/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.61	—	—	—	permil	—	—	10-537	CAMO-10-3231	EES6
R-45	880	11/16/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.69	—	—	—	permil	—	—	12-360	CAMO-12-1492	EES6
R-45	880	11/16/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.00	—	—	—	permil	—	—	12-360	CAMO-12-1492	EES6
R-45	880	07/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.36	—	—	—	permil	—	—	10-3564	CAMO-10-22876	EES6
R-45	880	05/13/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.35	—	—	—	permil	—	—	10-3163	CAMO-10-16824	EES6
R-45	880	01/27/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.54	—	—	—	permil	—	—	10-1463	CAMO-10-9378	EES6
R-45	880	11/16/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.09	—	—	—	permil	—	—	10-537	CAMO-10-3229	EES6
R-45	880	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.6	—	—	1.00E+00	µg/L	—	J	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	µg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.1	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.7	—	—	1.00E+00	µg/L	—	J	12-363	CAMO-12-1494	GELC
R-45	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.5	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.4	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	µg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.8	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	880	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.5	—	—	1.50E+01	µg/L	J	J	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.6	—	—	1.50E+01	µg/L	J	J	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	µg/L	J	J	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	µg/L	J	J	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	µg/L	J	J	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.1	—	—	1.50E+01	µg/L	J	J	12-363	CAMO-12-1494	GELC
R-45	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.6	—	—	1.50E+01	µg/L	J	J	11-2990	CAMO-11-24642	GELC
R-45	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	µg/L	J	J	11-2493	CAMO-11-10710	GELC
R-45	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	µg/L	J	J	11-1330	CAMO-11-4607	GELC
R-45	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.1	—	—	1.50E+01	µg/L	J	J	11-609	CAMO-11-1279	GELC
R-45	880	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	20.9	—	—	2.00E+00	µg/L	—	—	12-363	CAMO-12-1492	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	880	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.9	—	—	2.00E+00	µg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.6	—	—	2.00E+00	µg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15.8	—	—	2.00E+00	µg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.5	—	—	2.50E+00	µg/L	—	J	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	22.2	—	—	2.00E+00	µg/L	—	—	12-363	CAMO-12-1494	GELC
R-45	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18	—	—	2.00E+00	µg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.2	—	—	2.00E+00	µg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.8	—	—	2.00E+00	µg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.6	—	—	2.50E+00	µg/L	—	J	11-609	CAMO-11-1279	GELC
R-45	880	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.4	—	—	5.30E-02	mg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.2	—	—	5.30E-02	mg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.8	—	—	5.30E-02	mg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.1	—	—	5.30E-02	mg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.2	—	—	5.30E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	79.9	—	—	1.00E+00	µg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	78.1	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.2	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	78.9	—	—	1.00E+00	µg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	74.9	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	80.2	—	—	1.00E+00	µg/L	—	—	12-363	CAMO-12-1494	GELC
R-45	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	76.8	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24642	GELC
R-45	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.4	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79	—	—	1.00E+00	µg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.6	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	880	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.835	—	—	6.70E-02	µg/L	—	—	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.896	—	—	6.70E-02	µg/L	—	J	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.782	—	—	6.70E-02	µg/L	—	—	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.884	—	—	6.70E-02	µg/L	—	—	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.69	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.842	—	—	6.70E-02	µg/L	—	—	12-363	CAMO-12-1494	GELC
R-45	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.89	—	—	6.70E-02	µg/L	—	J	11-2990	CAMO-11-24642	GELC
R-45	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.788	—	—	6.70E-02	µg/L	—	—	11-2493	CAMO-11-10710	GELC
R-45	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.836	—	—	6.70E-02	µg/L	—	—	11-1330	CAMO-11-4607	GELC
R-45	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.71	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	880	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.82	—	—	3.30E+00	µg/L	J	J	12-363	CAMO-12-1492	GELC
R-45	880	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.47	—	—	3.30E+00	µg/L	J	J	11-2990	CAMO-11-24641	GELC
R-45	880	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.91	—	—	3.30E+00	µg/L	J	J	11-2493	CAMO-11-10711	GELC
R-45	880	02/10/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.52	—	—	3.30E+00	µg/L	J	J	11-1330	CAMO-11-4606	GELC
R-45	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.4	—	—	3.30E+00	µg/L	J	J	11-609	CAMO-11-1280	GELC
R-45	880	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.29	—	—	3.30E+00	µg/L	J	J	12-363	CAMO-12-1494	GELC
R-45	880	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.38	—	—	3.30E+00	µg/L	J	J	11-2990	CAMO-11-24642	GELC
R-45	880	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.83	—	—	3.30E+00	µg/L	J	J	11-2493	CAMO-11-10710	GELC
R-45	880	02/10/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.9	—	—	3.30E+00	µg/L	J	J	11-1330	CAMO-11-4607	GELC
R-45	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.58	—	—	3.30E+00	µg/L	J	J	11-609	CAMO-11-1279	GELC
R-45	880	11/16/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.151	3.67E-02	3.50E-01	—	pCi/L	U	U	12-363	CAMO-12-1494	GELC
R-45	880	01/27/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.785	6.67E-02	3.80E-01	—	pCi/L	—	—	10-1468	CAMO-10-9379	GELC
R-45	880	08/19/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.324	4.33E-02	3.70E-01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	880	07/16/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.68	1.17E-01	6.30E-01	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	880	11/16/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.107	3.67E-02	3.80E-01	—	pCi/L	U	U	12-363	CAMO-12-1494	GELC
R-45	880	01/27/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.102	6.67E-02	8.10E-01	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	880	08/19/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.56	1.40E-01	9.20E-01	—	pCi/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	880	07/16/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.54	1.33E-01	8.30E-01	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	880	11/16/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.55	2.50E-01	2.33E+00	—	pCi/L	U	U	12-436	CAMO-12-1494	ARSL
R-45	880	05/20/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	2.39475	2.55E-01	2.17E+00	—	pCi/L	—	—	11-2528	CAMO-11-10710	ARSL
R-45	880	11/19/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.54423	3.94E-01	2.43E+00	—	pCi/L	—	R	11-748	CAMO-11-1279	ARSL
R-45	880	11/19/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	4.50213	3.41E-01	2.43E+00	—	pCi/L	—	—	11-748	CAMO-11-1279	ARSL
R-45	880	05/13/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.21334	1.81E-01	1.69E+00	—	pCi/L	U	U	10-3219	CAMO-10-16825	ARSL
R-45	880	01/27/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.34106	9.58E-02	2.87E-01	—	pCi/L	—	—	10-1610	CAMO-10-9379	UMTL
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.2	—	—	7.30E-01	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.9	—	—	7.30E-01	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.1	—	—	7.30E-01	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.6	—	—	7.30E-01	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.9	—	—	7.30E-01	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0761	—	—	6.60E-02	mg/L	J	J	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.4	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.2	—	—	5.00E-02	mg/L	N	J-	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	12-363	CAMO-12-1497	GELC
R-45	974.9	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	N	J-	11-2493	CAMO-11-10713	GELC
R-45	974.9	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.16	—	—	6.60E-02	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.34	—	—	6.60E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.36	—	—	6.60E-02	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.21	—	—	6.60E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.2	—	—	6.60E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.398	—	—	3.30E-02	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.373	—	—	3.30E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.413	—	—	3.30E-02	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.338	—	—	3.30E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.351	—	—	3.30E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.1	—	—	4.50E-01	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.9	—	—	4.50E-01	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60	—	—	4.50E-01	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.7	—	—	4.50E-01	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.9	—	—	3.50E-01	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.4	—	—	4.50E-01	mg/L	—	—	12-363	CAMO-12-1497	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	974.9	08/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	4.50E-01	mg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.6	—	—	4.50E-01	mg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	974.9	02/11/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.9	—	—	4.50E-01	mg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62	—	—	3.50E-01	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.95	—	—	1.10E-01	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.59	—	—	1.10E-01	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.72	—	—	1.10E-01	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5	—	—	1.10E-01	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.89	—	—	8.50E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.96	—	—	1.10E-01	mg/L	—	—	12-363	CAMO-12-1497	GELC
R-45	974.9	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.76	—	—	1.10E-01	mg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	1.10E-01	mg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	974.9	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.84	—	—	1.10E-01	mg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.89	—	—	8.50E-02	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.6	—	—	5.00E-02	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.65	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.85	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.555	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.337	—	—	5.00E-02	mg/L	—	U	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.408	—	—	5.00E-02	µg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.403	—	—	5.00E-02	µg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.388	—	—	5.00E-02	µg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.396	—	—	5.00E-02	µg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.35	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.07	—	—	1.00E-02	SU	H	J-	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.01	—	—	1.00E-02	SU	H	J-	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	J	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.12	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	J	12-363	CAMO-12-1497	GELC
R-45	974.9	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.41	—	—	5.00E-02	mg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.07	—	—	5.00E-02	mg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	974.9	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	12-363	CAMO-12-1497	GELC
R-45	974.9	08/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10713	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	974.9	02/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	1.00E-01	mg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	µS/cm	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	161	—	—	1.00E+00	µS/cm	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00E+00	µS/cm	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	µS/cm	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	µS/cm	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.27	—	—	1.00E-01	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.21	—	—	1.00E-01	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.4	—	—	1.00E-01	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.46	—	—	1.00E-01	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.59	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	3.40E+00	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	3.40E+00	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0775	—	—	1.50E-02	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0456	—	—	1.50E-02	mg/L	J	U	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0348	—	—	1.50E-02	mg/L	J	J	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.029	—	—	1.50E-02	mg/L	J	J	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.054	—	—	1.50E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-73.49	—	—	—	permil	—	—	12-360	CAMO-12-1497	EES6
R-45	974.9	07/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.12	—	—	—	permil	—	—	10-3564	CAMO-10-22874	EES6
R-45	974.9	05/14/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-73.69	—	—	—	permil	—	—	10-3185	CAMO-10-16828	EES6
R-45	974.9	01/27/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-72.12	—	—	—	permil	—	—	10-1463	CAMO-10-9384	EES6
R-45	974.9	01/27/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-73.13	—	—	—	permil	—	—	10-1463	CAMO-10-9384	EES6
R-45	974.9	11/16/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.07	—	—	—	permil	—	—	10-537	CAMO-10-3234	EES6
R-45	974.9	11/16/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.21	—	—	—	permil	—	—	10-537	CAMO-10-3234	EES6
R-45	974.9	11/16/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.81	—	—	—	permil	—	—	12-360	CAMO-12-1496	EES6
R-45	974.9	11/16/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.59	—	—	—	permil	—	—	12-360	CAMO-12-1496	EES6
R-45	974.9	07/02/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.83	—	—	—	permil	—	—	10-3564	CAMO-10-22873	EES6
R-45	974.9	05/14/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.74	—	—	—	permil	—	—	10-3185	CAMO-10-16829	EES6
R-45	974.9	01/27/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.82	—	—	—	permil	—	—	10-1463	CAMO-10-9383	EES6
R-45	974.9	11/16/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.72	—	—	—	permil	—	—	10-537	CAMO-10-3233	EES6
R-45	974.9	11/16/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.58	—	—	—	permil	—	—	12-360	CAMO-12-1497	EES6
R-45	974.9	11/16/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.40	—	—	—	permil	—	—	12-360	CAMO-12-1497	EES6
R-45	974.9	07/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.81	—	—	—	permil	—	—	10-3564	CAMO-10-22874	EES6
R-45	974.9	05/14/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.42	—	—	—	permil	—	—	10-3185	CAMO-10-16828	EES6
R-45	974.9	05/14/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.48	—	—	—	permil	—	—	10-3185	CAMO-10-16828	EES6
R-45	974.9	01/27/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.51	—	—	—	permil	—	—	10-1463	CAMO-10-9384	EES6
R-45	974.9	01/27/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.43	—	—	—	permil	—	—	10-1463	CAMO-10-9384	EES6
R-45	974.9	11/16/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.70	—	—	—	permil	—	—	10-537	CAMO-10-3234	EES6
R-45	974.9	11/16/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.63	—	—	—	permil	—	—	10-537	CAMO-10-3234	EES6
R-45	974.9	11/16/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.10	—	—	—	permil	—	—	12-360	CAMO-12-1496	EES6
R-45	974.9	11/16/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.17	—	—	—	permil	—	—	12-360	CAMO-12-1496	EES6
R-45	974.9	07/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.62	—	—	—	permil	—	—	10-3564	CAMO-10-22873	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	974.9	01/27/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.31	—	—	—	permil	—	—	10-1463	CAMO-10-9383	EES6
R-45	974.9	11/16/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.37	—	—	—	permil	—	—	10-537	CAMO-10-3233	EES6
R-45	974.9	08/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.02	—	—	—	permil	—	—	09-2962	CAMO-09-10255	EES6
R-45	974.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.9	—	—	1.00E+00	µg/L	—	J	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.5	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.3	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.9	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.4	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.9	—	—	1.00E+00	µg/L	—	J	12-363	CAMO-12-1497	GELC
R-45	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.3	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.5	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.7	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.7	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.5	—	—	1.50E+01	µg/L	J	J	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.9	—	—	1.50E+01	µg/L	J	J	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.50E+01	µg/L	J	J	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	µg/L	J	J	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	µg/L	J	J	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20	—	—	1.50E+01	µg/L	J	J	12-363	CAMO-12-1497	GELC
R-45	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	µg/L	J	J	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.6	—	—	1.50E+01	µg/L	J	J	11-2493	CAMO-11-10713	GELC
R-45	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19	—	—	1.50E+01	µg/L	J	J	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	µg/L	J	J	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.5	—	—	2.00E+00	µg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.91	—	—	2.00E+00	µg/L	J	J	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.91	—	—	2.00E+00	µg/L	J	J	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.22	—	—	2.00E+00	µg/L	J	J	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10.8	—	—	2.50E+00	µg/L	—	U	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.9	—	—	2.00E+00	µg/L	—	—	12-363	CAMO-12-1497	GELC
R-45	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.11	—	—	2.00E+00	µg/L	J	J	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.89	—	—	2.00E+00	µg/L	J	J	11-2493	CAMO-11-10713	GELC
R-45	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.05	—	—	2.00E+00	µg/L	J	J	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	11.3	—	—	2.50E+00	µg/L	—	U	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.45	—	—	5.00E-01	µg/L	J	J	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.85	—	—	5.00E-01	µg/L	J	J	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	5.00E-01	µg/L	J	J	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.79	—	—	5.00E-01	µg/L	J	J	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.94	—	—	5.00E-01	µg/L	J	J	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.38	—	—	5.00E-01	µg/L	J	J	12-363	CAMO-12-1497	GELC
R-45	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.78	—	—	5.00E-01	µg/L	J	J	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.34	—	—	5.00E-01	µg/L	J	J	11-2493	CAMO-11-10713	GELC
R-45	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	µg/L	J	J	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.77	—	—	5.00E-01	µg/L	J	J	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.3	—	—	5.30E-02	mg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	5.30E-02	mg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69	—	—	5.30E-02	mg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.5	—	—	5.30E-02	mg/L	—	—	11-1338	CAMO-11-4608	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.3	—	—	5.30E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	75.1	—	—	1.00E+00	µg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	70.5	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.8	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	78	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.5	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.7	—	—	1.00E+00	µg/L	—	—	12-363	CAMO-12-1497	GELC
R-45	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	73.6	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.7	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	76.2	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.9	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.784	—	—	6.70E-02	µg/L	—	—	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.766	—	—	6.70E-02	µg/L	—	J	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.661	—	—	6.70E-02	µg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.748	—	—	6.70E-02	µg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.609	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.687	—	—	6.70E-02	µg/L	—	—	12-363	CAMO-12-1497	GELC
R-45	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.736	—	—	6.70E-02	µg/L	—	J	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.682	—	—	6.70E-02	µg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.768	—	—	6.70E-02	µg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.623	—	—	5.00E-02	µg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.94	—	—	1.00E+00	µg/L	—	J	12-363	CAMO-12-1496	GELC
R-45	974.9	08/01/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.86	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24643	GELC
R-45	974.9	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.34	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10712	GELC
R-45	974.9	02/11/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.46	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4608	GELC
R-45	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.13	—	—	1.00E+00	µg/L	—	J	12-363	CAMO-12-1497	GELC
R-45	974.9	08/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.88	—	—	1.00E+00	µg/L	—	—	11-2990	CAMO-11-24644	GELC
R-45	974.9	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.44	—	—	1.00E+00	µg/L	—	—	11-2493	CAMO-11-10713	GELC
R-45	974.9	02/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.54	—	—	1.00E+00	µg/L	—	—	11-1338	CAMO-11-4609	GELC
R-45	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.89	—	—	1.00E+00	µg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.416	4.33E-02	2.90E-01	—	pCi/L	—	—	12-363	CAMO-12-1497	GELC
R-45	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0	2.23E-02	3.60E-01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.0236	3.07E-02	3.80E-01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.336	6.33E-02	6.00E-01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.2	4.33E-02	4.20E-01	—	pCi/L	U	U	12-363	CAMO-12-1497	GELC
R-45	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0459	5.67E-02	6.40E-01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.252	8.33E-02	8.70E-01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.802	1.03E-01	8.80E-01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	974.9	11/16/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.53	2.43E-01	2.42E+00	—	pCi/L	U	U	12-436	CAMO-12-1497	ARSL
R-45	974.9	05/20/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.30913	2.87E-01	2.75E+00	—	pCi/L	U	U	11-2528	CAMO-11-10713	ARSL
R-45	974.9	11/19/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.57616	3.94E-01	2.43E+00	—	pCi/L	—	R	11-748	CAMO-11-1282	ARSL
R-45	974.9	11/19/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.97966	2.66E-01	2.43E+00	—	pCi/L	U	U	11-748	CAMO-11-1282	ARSL
R-45	974.9	05/14/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.57474	2.02E-01	2.01E+00	—	pCi/L	U	U	10-3219	CAMO-10-16828	ARSL
R-45	974.9	01/27/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.2772	9.58E-02	2.87E-01	—	pCi/L	—	—	10-1610	CAMO-10-9384	UMTL
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.5	—	—	7.30E-01	mg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.2	—	—	7.30E-01	mg/L	—	—	11-3042	CAMO-11-24671	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.9	—	—	7.30E-01	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.5	—	—	7.30E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0849	—	—	6.60E-02	mg/L	J	J	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0874	—	—	6.60E-02	mg/L	J	J	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.1	—	—	5.00E-02	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	5.00E-02	mg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.72	—	—	6.60E-02	mg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.31	—	—	6.60E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.94	—	—	6.60E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.62	—	—	6.60E-02	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.313	—	—	3.30E-02	mg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.331	—	—	3.30E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.331	—	—	3.30E-02	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56	—	—	4.50E-01	mg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.9	—	—	4.50E-01	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.1	—	—	4.50E-01	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.1	—	—	4.50E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.7	—	—	4.50E-01	mg/L	—	—	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.9	—	—	4.50E-01	mg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.6	—	—	4.50E-01	mg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.4	—	—	4.50E-01	mg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.44	—	—	1.10E-01	mg/L	—	J	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.41	—	—	1.10E-01	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.54	—	—	1.10E-01	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.36	—	—	1.10E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.27	—	—	1.10E-01	mg/L	—	J	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.4	—	—	1.10E-01	mg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.71	—	—	1.10E-01	mg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.52	—	—	1.10E-01	mg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.47	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.28	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.46	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.42	—	—	1.00E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.545	—	—	5.00E-02	µg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.488	—	—	5.00E-02	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.565	—	—	5.00E-02	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.557	—	—	5.00E-02	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	12-384	CAMO-12-1504	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J-	11-3042	CAMO-11-24671	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	J	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.47	—	—	5.00E-02	mg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	J	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	1.00E-01	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.6	—	—	1.00E-01	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	1.00E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.1	—	—	1.00E-01	mg/L	—	—	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	1.00E-01	mg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	1.00E-01	mg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	µS/cm	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	µS/cm	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.3	—	—	1.00E-01	mg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.9	—	—	1.00E-01	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.9	—	—	1.00E-01	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12	—	—	1.00E-01	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	3.40E+00	mg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	3.40E+00	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.44	—	—	3.30E-01	mg/L	J	J	12-383	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.54	—	—	3.30E-01	mg/L	J	J	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.46	—	—	3.30E-01	mg/L	—	J	11-2547	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.24	—	—	3.30E-01	mg/L	—	—	11-1432	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0181	—	—	1.50E-02	mg/L	J	J	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0984	—	—	1.50E-02	mg/L	—	U	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0519	—	—	1.50E-02	mg/L	—	U	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.017	—	—	1.50E-02	mg/L	J	U	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.84	—	—	—	permil	—	—	12-385	CAMO-12-1505	EES6
R-50	1077	11/18/11	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.78	—	—	—	permil	—	—	12-385	CAMO-12-1505	EES6
R-50	1077	05/25/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.37	—	—	—	permil	—	—	11-2543	CAMO-11-10720	EES6
R-50	1077	11/16/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.38	—	—	—	permil	—	—	11-559	CAMO-11-1312	EES6
R-50	1077	07/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.91	—	—	—	permil	—	—	10-3559	CAMO-10-22902	EES6
R-50	1077	05/27/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.06	—	—	—	permil	—	—	10-3271	CAMO-10-17420	EES6
R-50	1077	11/18/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	7.23	—	—	—	permil	—	—	12-385	CAMO-12-1504	EES6
R-50	1077	11/18/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.27	—	—	—	permil	—	—	12-385	CAMO-12-1504	EES6
R-50	1077	11/16/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	7.62	—	—	—	permil	—	—	11-559	CAMO-11-1313	EES6
R-50	1077	07/02/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.55	—	—	—	permil	—	—	10-3559	CAMO-10-22904	EES6
R-50	1077	05/27/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.91	—	—	—	permil	—	—	10-3271	CAMO-10-17421	EES6
R-50	1077	03/06/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.82	—	—	—	permil	—	—	10-2344	CAMO-10-13853	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	1077	03/06/10	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.40	—	—	—	permil	—	—	10-2344	CAMO-10-13853	EES6
R-50	1077	11/18/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.88	—	—	—	permil	—	—	12-385	CAMO-12-1505	EES6
R-50	1077	11/18/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.97	—	—	—	permil	—	—	12-385	CAMO-12-1505	EES6
R-50	1077	05/25/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.83	—	—	—	permil	—	—	11-2543	CAMO-11-10720	EES6
R-50	1077	11/16/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.71	—	—	—	permil	—	—	11-559	CAMO-11-1312	EES6
R-50	1077	07/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.09	—	—	—	permil	—	—	10-3559	CAMO-10-22902	EES6
R-50	1077	05/27/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.66	—	—	—	permil	—	—	10-3271	CAMO-10-17420	EES6
R-50	1077	05/27/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.97	—	—	—	permil	—	—	10-3271	CAMO-10-17420	EES6
R-50	1077	11/18/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.17	—	—	—	permil	—	—	12-385	CAMO-12-1504	EES6
R-50	1077	11/18/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.56	—	—	—	permil	—	—	12-385	CAMO-12-1504	EES6
R-50	1077	05/25/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.27	—	—	—	permil	—	—	11-2543	CAMO-11-10719	EES6
R-50	1077	05/25/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.75	—	—	—	permil	—	—	11-2543	CAMO-11-10719	EES6
R-50	1077	11/16/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.69	—	—	—	permil	—	—	11-559	CAMO-11-1313	EES6
R-50	1077	07/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.23	—	—	—	permil	—	—	10-3559	CAMO-10-22904	EES6
R-50	1077	05/27/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.90	—	—	—	permil	—	—	10-3271	CAMO-10-17421	EES6
R-50	1077	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.1	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.5	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	17.2	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.1	—	—	1.00E+00	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.4	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.5	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.2	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	17.6	—	—	1.00E+00	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	µg/L	J	J	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	µg/L	J	J	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.3	—	—	1.50E+01	µg/L	J	J	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.1	—	—	1.50E+01	µg/L	J	J	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	µg/L	J	J	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	µg/L	J	J	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.4	—	—	1.50E+01	µg/L	J	J	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	59.2	—	—	1.50E+01	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	89.4	—	—	2.00E+00	µg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	71.2	—	—	2.00E+00	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	81	—	—	2.00E+00	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	78.8	—	—	2.00E+00	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	95.1	—	—	2.00E+00	µg/L	—	—	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	71.9	—	—	2.00E+00	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	82.8	—	—	2.00E+00	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	81.1	—	—	2.00E+00	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.47	—	—	1.70E-01	µg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.18	—	—	1.70E-01	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.46	—	—	1.70E-01	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.84	—	—	1.70E-01	µg/L	—	J	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.56	—	—	1.70E-01	µg/L	—	—	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.11	—	—	1.70E-01	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.28	—	—	1.70E-01	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.84	—	—	1.70E-01	µg/L	—	J	11-1433	CAMO-11-4611	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	1077	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.51	—	—	5.00E-01	µg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.66	—	—	5.00E-01	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.59	—	—	5.00E-01	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.3	—	—	5.00E-01	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.86	—	—	5.00E-01	µg/L	—	—	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.62	—	—	5.00E-01	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.37	—	—	5.00E-01	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.5	—	—	5.00E-01	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.8	—	—	5.30E-02	mg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.5	—	—	5.30E-02	mg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.6	—	—	5.30E-02	mg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.6	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.2	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.1	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.7	—	—	1.00E+00	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56.5	—	—	1.00E+00	µg/L	—	—	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.6	—	—	1.00E+00	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.4	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.5	—	—	1.00E+00	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.609	—	—	6.70E-02	µg/L	—	—	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.591	—	—	6.70E-02	µg/L	—	—	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.58	—	—	6.70E-02	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.695	—	—	6.70E-02	µg/L	—	—	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.662	—	—	6.70E-02	µg/L	—	—	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.603	—	—	6.70E-02	µg/L	—	—	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.609	—	—	6.70E-02	µg/L	—	—	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.743	—	—	6.70E-02	µg/L	—	—	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.52	—	—	1.00E+00	µg/L	J	J	12-384	CAMO-12-1504	GELC
R-50	1077	08/04/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.75	—	—	1.00E+00	µg/L	J	J	11-3042	CAMO-11-24671	GELC
R-50	1077	05/25/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.35	—	—	1.00E+00	µg/L	—	—	11-2548	CAMO-11-10719	GELC
R-50	1077	02/23/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.24	—	—	1.00E+00	µg/L	J	J	11-1433	CAMO-11-4610	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.09	—	—	1.00E+00	µg/L	J	J	12-384	CAMO-12-1505	GELC
R-50	1077	08/04/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.95	—	—	1.00E+00	µg/L	J	J	11-3042	CAMO-11-24673	GELC
R-50	1077	05/25/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.87	—	—	1.00E+00	µg/L	J	J	11-2548	CAMO-11-10720	GELC
R-50	1077	02/23/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.31	—	—	1.00E+00	µg/L	J	J	11-1433	CAMO-11-4611	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.167	3.67E-02	3.40E-01	—	pCi/L	U	U	12-384	CAMO-12-1505	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.119	3.67E-02	4.00E-01	—	pCi/L	U	U	12-384	CAMO-12-1505	GELC
R-50	1077	11/18/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	24.75	1.33E+00	3.41E+00	—	pCi/L	—	—	12-436	CAMO-12-1505	ARSL
R-50	1077	08/04/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	12.64428	7.13E-01	2.52E+00	—	pCi/L	—	—	11-3040	CAMO-11-24673	ARSL
R-50	1077	05/25/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	20.1159	1.05E+00	1.95E+00	—	pCi/L	—	—	11-2539	CAMO-11-10720	ARSL
R-50	1077	02/23/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	28.86472	1.47E+00	1.69E+00	—	pCi/L	—	R	11-1429	CAMO-11-4611	ARSL
R-50	1077	02/23/11	WG	UF	RE	—	Rad	LLEE	Tritium	—	29.21595	1.49E+00	1.63E+00	—	pCi/L	—	—	11-1429	CAMO-11-4611	ARSL
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.5	—	—	7.30E-01	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.8	—	—	7.30E-01	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.5	—	—	7.30E-01	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.5	—	—	7.30E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.6	—	—	7.30E-01	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.072	—	—	1.60E-02	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.045	—	—	1.60E-02	mg/L	J	U	11-1440	CAMO-11-4618	GELC
R-50	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.061	—	—	1.60E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	5.00E-02	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	5.00E-02	mg/L	—	—	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	5.00E-02	mg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.09	—	—	6.60E-02	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.07	—	—	6.60E-02	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.08	—	—	6.60E-02	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.09	—	—	6.60E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.38	—	—	3.30E-02	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.363	—	—	3.30E-02	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.429	—	—	3.30E-02	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.399	—	—	3.30E-02	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.409	—	—	3.30E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.7	—	—	4.50E-01	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.3	—	—	4.50E-01	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.6	—	—	4.50E-01	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.4	—	—	4.50E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	4.50E-01	mg/L	—	—	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.5	—	—	4.50E-01	mg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.5	—	—	4.50E-01	mg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.8	—	—	4.50E-01	mg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.13	—	—	1.10E-01	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.19	—	—	1.10E-01	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.72	—	—	1.10E-01	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	1.10E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	1.10E-01	mg/L	—	—	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	1.10E-01	mg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.89	—	—	1.10E-01	mg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	1.10E-01	mg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.17	—	—	1.00E-02	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.53	—	—	5.00E-02	mg/L	—	J	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.56	—	—	5.00E-02	mg/L	—	J+	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.648	—	—	1.00E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.5	—	—	5.00E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.31	—	—	5.00E-02	µg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.331	—	—	5.00E-02	µg/L	—	—	11-3082	CAMO-11-24680	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.342	—	—	5.00E-02	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.332	—	—	5.00E-02	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.331	—	—	5.00E-02	µg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.87	—	—	1.00E-02	SU	H	J-	11-2527	CAMO-11-10727	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.47	—	—	5.00E-02	mg/L	—	J	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	J	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	µS/cm	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00E+00	µS/cm	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.65	—	—	1.00E-01	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.62	—	—	1.00E-01	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.76	—	—	1.00E-01	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.76	—	—	1.00E-01	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.72	—	—	1.00E-01	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	1185	11/28/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	120	—	—	3.40E+00	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	3.40E+00	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	J	11-563	CAMO-11-1315	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.56	—	—	3.30E-01	mg/L	J	J	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.528	—	—	3.30E-01	mg/L	J	J	11-2524	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.397	—	—	3.30E-01	mg/L	J	J	11-1440	CAMO-11-4617	GELC
R-50	1185	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.801	—	—	3.30E-01	mg/L	J	J	11-562	CAMO-11-1316	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.61	—	—	—	permil	—	—	12-438	CAMO-12-1809	EES6
R-50	1185	11/28/11	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.46	—	—	—	permil	—	—	12-438	CAMO-12-1809	EES6
R-50	1185	11/21/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.30	—	—	—	permil	—	—	12-410	CAMO-12-1509	EES6
R-50	1185	11/21/11	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.14	—	—	—	permil	—	—	12-410	CAMO-12-1509	EES6
R-50	1185	05/24/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.05	—	—	—	permil	—	—	11-2523	CAMO-11-10726	EES6
R-50	1185	11/16/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.60	—	—	—	permil	—	—	11-559	CAMO-11-1316	EES6
R-50	1185	07/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.20	—	—	—	permil	—	—	10-3559	CAMO-10-22907	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	1185	05/27/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.71	—	—	—	permil	—	—	10-3281	CAMO-10-18979	EES6
R-50	1185	05/27/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.66	—	—	—	permil	—	—	10-3281	CAMO-10-18979	EES6
R-50	1185	11/28/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.58	—	—	—	permil	—	—	12-438	CAMO-12-1808	EES6
R-50	1185	11/21/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.99	—	—	—	permil	—	—	12-410	CAMO-12-1508	EES6
R-50	1185	11/21/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.00	—	—	—	permil	—	—	12-410	CAMO-12-1508	EES6
R-50	1185	05/24/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.95	—	—	—	permil	—	—	11-2523	CAMO-11-10727	EES6
R-50	1185	11/16/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.99	—	—	—	permil	—	—	11-559	CAMO-11-1315	EES6
R-50	1185	07/02/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	2.02	—	—	—	permil	—	—	10-3559	CAMO-10-22906	EES6
R-50	1185	05/27/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.37	—	—	—	permil	—	—	10-3281	CAMO-10-18980	EES6
R-50	1185	05/27/10	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.29	—	—	—	permil	—	—	10-3281	CAMO-10-18980	EES6
R-50	1185	11/28/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.01	—	—	—	permil	—	—	12-438	CAMO-12-1809	EES6
R-50	1185	11/28/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.04	—	—	—	permil	—	—	12-438	CAMO-12-1809	EES6
R-50	1185	05/24/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.94	—	—	—	permil	—	—	11-2523	CAMO-11-10726	EES6
R-50	1185	11/16/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.94	—	—	—	permil	—	—	11-559	CAMO-11-1316	EES6
R-50	1185	07/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.83	—	—	—	permil	—	—	10-3559	CAMO-10-22907	EES6
R-50	1185	03/11/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.85	—	—	—	permil	—	—	10-2427	CAMO-10-13924	EES6
R-50	1185	03/11/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.10	—	—	—	permil	—	—	10-2427	CAMO-10-13924	EES6
R-50	1185	11/28/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.00	—	—	—	permil	—	—	12-438	CAMO-12-1808	EES6
R-50	1185	05/24/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.79	—	—	—	permil	—	—	11-2523	CAMO-11-10727	EES6
R-50	1185	11/16/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.85	—	—	—	permil	—	—	11-559	CAMO-11-1315	EES6
R-50	1185	07/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.57	—	—	—	permil	—	—	10-3559	CAMO-10-22906	EES6
R-50	1185	05/27/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.44	—	—	—	permil	—	—	10-3281	CAMO-10-18980	EES6
R-50	1185	05/27/10	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.54	—	—	—	permil	—	—	10-3281	CAMO-10-18980	EES6
R-50	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.87	—	—	1.70E+00	µg/L	J	J	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.19	—	—	1.70E+00	µg/L	J	J	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.1	—	—	1.00E+00	µg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.7	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.7	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.3	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.5	—	—	1.00E+00	µg/L	—	—	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.3	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	30.9	—	—	3.00E+01	µg/L	J	J	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	47.2	—	—	3.00E+01	µg/L	J	J	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	37.6	—	—	3.00E+01	µg/L	J	J	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	51.1	—	—	3.00E+01	µg/L	J	J	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	63.2	—	—	3.00E+01	µg/L	J	U	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	132	—	—	3.00E+01	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.31	—	—	1.70E-01	µg/L	—	J	12-440	CAMO-12-1808	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.70E-01	µg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.48	—	—	1.70E-01	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	1.70E-01	µg/L	—	J	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.70E-01	µg/L	—	J	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.70E-01	µg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.49	—	—	1.70E-01	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	1.70E-01	µg/L	—	J	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.47	—	—	5.00E-01	µg/L	J	J	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.75	—	—	5.00E-01	µg/L	J	J	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.03	—	—	5.00E-01	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.38	—	—	5.00E-01	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.44	—	—	5.00E-01	µg/L	J	J	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.72	—	—	5.00E-01	µg/L	J	J	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.07	—	—	5.00E-01	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.86	—	—	5.00E-01	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.6	—	—	5.30E-02	mg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.6	—	—	5.30E-02	mg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.4	—	—	5.30E-02	mg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.9	—	—	5.30E-02	mg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.5	—	—	5.30E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	1185	11/28/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.7	—	—	1.00E+00	µg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.9	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.1	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.7	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.1	—	—	1.00E+00	µg/L	—	—	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54.6	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.9	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.642	—	—	6.70E-02	µg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.582	—	—	6.70E-02	µg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.739	—	—	6.70E-02	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.75	—	—	6.70E-02	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.652	—	—	6.70E-02	µg/L	—	—	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.642	—	—	6.70E-02	µg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.783	—	—	6.70E-02	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.759	—	—	6.70E-02	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.37	—	—	1.00E+00	µg/L	—	—	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.41	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.83	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10727	GELC
R-50	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.97	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.97	—	—	1.00E+00	µg/L	—	—	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.35	—	—	1.00E+00	µg/L	—	—	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1.00E+00	µg/L	—	—	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.54	—	—	1.00E+00	µg/L	—	—	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.27	—	—	3.30E+00	µg/L	J	J	12-440	CAMO-12-1808	GELC
R-50	1185	08/08/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.36	—	—	3.30E+00	µg/L	J	J	11-3082	CAMO-11-24680	GELC
R-50	1185	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.56	—	—	3.30E+00	µg/L	J	J	11-2527	CAMO-11-10727	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	1185	02/24/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.53	—	—	3.30E+00	µg/L	J	J	11-1440	CAMO-11-4618	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.24	—	—	3.30E+00	µg/L	J	J	12-440	CAMO-12-1809	GELC
R-50	1185	08/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.81	—	—	3.30E+00	µg/L	J	J	11-3082	CAMO-11-24679	GELC
R-50	1185	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.64	—	—	3.30E+00	µg/L	J	J	11-2527	CAMO-11-10726	GELC
R-50	1185	02/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.62	—	—	3.30E+00	µg/L	J	J	11-1440	CAMO-11-4617	GELC
R-50	1185	11/28/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12	1.97E-01	2.01E+00	—	pCi/L	U	U	12-456	CAMO-12-1809	ARSL
R-50	1185	11/21/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	23.15	1.24E+00	3.09E+00	—	pCi/L	—	—	12-436	CAMO-12-1509	ARSL
R-50	1185	08/08/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.24527	2.24E-01	2.30E+00	—	pCi/L	U	U	11-3040	CAMO-11-24679	ARSL
R-50	1185	05/24/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.92597	2.55E-01	2.52E+00	—	pCi/L	U	U	11-2528	CAMO-11-10726	ARSL
R-50	1185	02/24/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.9158	2.02E-01	1.92E+00	—	pCi/L	U	R	11-1579	CAMO-11-4617	ARSL
R-50	1185	02/24/11	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.19158	1.92E-01	1.92E+00	—	pCi/L	U	U	11-1579	CAMO-11-4617	ARSL
R-50	1185	11/16/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.54423	3.94E-01	2.43E+00	—	pCi/L	—	R	11-564	CAMO-11-1316	ARSL
R-50	1185	11/16/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.37299	2.55E-01	2.43E+00	—	pCi/L	U	U	11-564	CAMO-11-1316	ARSL
R-61	1125	11/21/11	WG	UF	CS	—	DRO	SW-846:8015M	Total Petroleum HyDROcarbons DRO	—	90.2	—	—	5.40E+01	µg/L	J	J	12-424	CAMO-12-1511	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.2	—	—	7.30E-01	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.7	—	—	7.30E-01	mg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.7	—	—	7.30E-01	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.2	—	—	7.30E-01	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0193	—	—	1.60E-02	mg/L	J	J	12-412	CAMO-12-1515	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0315	—	—	1.60E-02	mg/L	J	U	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	13.5	—	—	5.00E-02	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	5.00E-02	mg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.4	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.4	—	—	5.00E-02	mg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	3.05	—	—	6.60E-02	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.06	—	—	6.60E-02	mg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.35	—	—	6.60E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.59	—	—	6.60E-02	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.318	—	—	3.30E-02	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.326	—	—	3.30E-02	mg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.303	—	—	3.30E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.324	—	—	3.30E-02	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	49.5	—	—	4.50E-01	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49.3	—	—	4.50E-01	mg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.3	—	—	4.50E-01	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.7	—	—	4.50E-01	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	48.6	—	—	4.50E-01	mg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.3	—	—	4.50E-01	mg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.9	—	—	4.50E-01	mg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	4.50E-01	mg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.83	—	—	1.10E-01	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.82	—	—	1.10E-01	mg/L	—	—	12-412	CAMO-12-1510	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.69	—	—	1.10E-01	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	1.10E-01	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.75	—	—	1.10E-01	mg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.91	—	—	1.10E-01	mg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.65	—	—	1.10E-01	mg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.52	—	—	1.10E-01	mg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.55	—	—	5.00E-02	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.41	—	—	5.00E-02	mg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.427	—	—	1.00E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.32	—	—	5.00E-02	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Geninorg	EPA:1664A	Oil and Grease	—	2.08	—	—	1.50E+00	mg/L	J	J	12-424	CAMO-12-1511	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	5.96	—	—	5.00E-01	µg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	5.9	—	—	5.00E-01	µg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.96	—	—	2.50E-01	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.54	—	—	5.00E-01	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.41	—	—	1.00E-02	SU	H	J-	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.44	—	—	1.00E-02	SU	H	J-	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.34	—	—	1.00E-02	SU	H	J-	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.56	—	—	1.00E-02	SU	H	J-	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.59	—	—	5.00E-02	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.62	—	—	5.00E-02	mg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	J	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.61	—	—	5.00E-02	mg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.41	—	—	5.00E-02	mg/L	—	J	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.1	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18	—	—	1.00E-01	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	17.6	—	—	1.00E-01	mg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.4	—	—	1.00E-01	mg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.5	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	1.00E-01	mg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	µS/cm	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	µS/cm	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	209	—	—	1.00E+00	µS/cm	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	µS/cm	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	4.57	—	—	1.00E-01	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.59	—	—	1.00E-01	mg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.27	—	—	1.00E-01	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.68	—	—	1.00E-01	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	1.21	—	—	1.20E+00	mg/L	J	J	12-412	CAMO-12-1511	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	126	—	—	3.40E+00	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	3.40E+00	mg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	65.7	—	—	3.40E+00	mg/L	—	J	11-3264	CAMO-11-24696	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-61	1125	05/20/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	139	—	—	2.40E+00	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.08	—	—	3.30E-01	mg/L	—	—	12-411	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.14	—	—	3.30E-01	mg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	10.1	—	—	3.30E-01	mg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.77	—	—	3.30E-01	mg/L	J	J	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.31	—	—	—	permil	—	—	12-410	CAMO-12-1511	EES6
R-61	1125	11/21/11	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.59	—	—	—	permil	—	—	12-410	CAMO-12-1511	EES6
R-61	1125	08/18/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.00	—	—	—	permil	—	—	11-3267	CAMO-11-24698	EES6
R-61	1125	05/20/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.26	—	—	—	permil	—	—	11-2476	CAMO-11-10852	EES6
R-61	1125	11/21/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.03	—	—	—	permil	—	—	12-410	CAMO-12-1510	EES6
R-61	1125	11/21/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.45	—	—	—	permil	—	—	12-410	CAMO-12-1510	EES6
R-61	1125	08/18/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.90	—	—	—	permil	—	—	11-3267	CAMO-11-24696	EES6
R-61	1125	05/20/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.68	—	—	—	permil	—	—	11-2476	CAMO-11-10853	EES6
R-61	1125	11/21/11	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	47.6	—	—	1.00E+00	µg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47	—	—	1.00E+00	µg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.6	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.2	—	—	1.00E+00	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	58.4	—	—	1.00E+00	µg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	48.7	—	—	1.00E+00	µg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	62.4	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.4	—	—	1.00E+00	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	20.8	—	—	1.50E+01	µg/L	J	J	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	µg/L	J	J	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.7	—	—	1.50E+01	µg/L	J	J	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.1	—	—	1.50E+01	µg/L	J	J	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	19.8	—	—	1.50E+01	µg/L	J	J	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.7	—	—	1.50E+01	µg/L	J	J	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.8	—	—	1.50E+01	µg/L	J	J	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.4	—	—	1.50E+01	µg/L	J	J	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	2.68	—	—	2.00E+00	µg/L	J	J	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.84	—	—	2.00E+00	µg/L	J	J	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00E+00	µg/L	U	U	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.00E+00	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	5.06	—	—	2.00E+00	µg/L	J	J	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.28	—	—	2.00E+00	µg/L	J	J	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.55	—	—	2.00E+00	µg/L	J	J	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.2	—	—	2.00E+00	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Metals	SW-846:6010B	Cobalt	—	2.33	—	—	1.00E+00	µg/L	J	J	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.34	—	—	1.00E+00	µg/L	J	J	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.85	—	—	1.00E+00	µg/L	J	J	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6010B	Cobalt	—	2.25	—	—	1.00E+00	µg/L	J	J	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	2.38	—	—	1.00E+00	µg/L	J	J	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	2.44	—	—	1.00E+00	µg/L	J	J	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-2470	CAMO-11-10853	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6010B	Copper	—	3.58	—	—	3.00E+00	µg/L	J	J	12-412	CAMO-12-1513	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Metals	SW-846:6010B	Iron	—	920	—	—	3.00E+01	µg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	909	—	—	3.00E+01	µg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	2550	—	—	3.00E+01	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	35.3	—	—	3.00E+01	µg/L	J	J	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	1020	—	—	3.00E+01	µg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	1040	—	—	3.00E+01	µg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	3070	—	—	3.00E+01	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	217	—	—	3.00E+01	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	914	—	—	2.00E+00	µg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	902	—	—	2.00E+00	µg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	1100	—	—	2.00E+00	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	113	—	—	2.00E+00	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	894	—	—	2.00E+00	µg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	925	—	—	2.00E+00	µg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	1090	—	—	2.00E+00	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	118	—	—	2.00E+00	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	6.49	—	—	1.70E-01	µg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	6.67	—	—	1.70E-01	µg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	14.6	—	—	1.70E-01	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.06	—	—	1.70E-01	µg/L	—	J	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	6.26	—	—	1.70E-01	µg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	6.62	—	—	1.70E-01	µg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	13.4	—	—	1.70E-01	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.22	—	—	1.70E-01	µg/L	—	J	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	2.34	—	—	5.00E-01	µg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.25	—	—	5.00E-01	µg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.02	—	—	5.00E-01	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.68	—	—	5.00E-01	µg/L	J	J	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	2.36	—	—	5.00E-01	µg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.52	—	—	5.00E-01	µg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.33	—	—	5.00E-01	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.93	—	—	5.00E-01	µg/L	J	J	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	63.6	—	—	5.30E-02	mg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.9	—	—	5.30E-02	mg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.1	—	—	5.30E-02	mg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.6	—	—	5.30E-02	mg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	70.7	—	—	1.00E+00	µg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	70.3	—	—	1.00E+00	µg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	91.5	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.1	—	—	1.00E+00	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	69.8	—	—	1.00E+00	µg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.9	—	—	1.00E+00	µg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	91.1	—	—	1.00E+00	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.2	—	—	1.00E+00	µg/L	—	—	11-2470	CAMO-11-10852	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-61	1125	11/21/11	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.736	—	—	6.70E-02	µg/L	—	—	12-412	CAMO-12-1515	GELC
R-61	1125	11/21/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.73	—	—	6.70E-02	µg/L	—	—	12-412	CAMO-12-1510	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	6.70E-02	µg/L	—	—	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.715	—	—	6.70E-02	µg/L	—	—	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.77	—	—	6.70E-02	µg/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.8	—	—	6.70E-02	µg/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.985	—	—	6.70E-02	µg/L	—	—	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.824	—	—	6.70E-02	µg/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	1125	08/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-3264	CAMO-11-24696	GELC
R-61	1125	05/20/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.91	—	—	1.00E+00	µg/L	J	J	11-2470	CAMO-11-10853	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.27	—	—	1.00E+00	µg/L	J	J	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.49	—	—	1.00E+00	µg/L	J	J	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-3264	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.74	—	—	1.00E+00	µg/L	J	J	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.00465	1.10E-03	4.20E-02	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0104	1.57E-03	3.80E-02	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0098	1.73E-03	3.30E-02	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-2.59	3.27E+00	2.90E+01	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00197	1.47E-03	4.00E-02	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	1.6	4.33E-01	5.10E+00	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.572	5.00E-01	5.60E+00	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0929	4.00E-01	3.70E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.61	4.67E-01	4.30E+00	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	2.16	4.00E-01	5.70E+00	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.3	5.00E-01	6.40E+00	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.95	4.67E-01	4.70E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.642	5.67E-01	4.90E+00	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	2.35	3.23E-01	2.40E+00	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.25	4.33E-01	2.50E+00	—	pCi/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.18	2.37E-01	2.20E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.575	1.90E-01	2.00E+00	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	1.56	2.47E-01	2.20E+00	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.44	2.53E-01	2.40E+00	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.75	3.27E-01	2.90E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.743	1.90E-01	2.50E+00	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-2.67	9.00E-01	9.00E+00	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.51	1.07E+00	1.20E+01	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.9	8.67E-01	8.30E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-0.00186	1.07E-03	2.20E-02	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0038	9.00E-04	2.30E-02	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00225	1.30E-03	2.10E-02	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00411	1.67E-03	2.50E-02	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.00558	1.07E-03	2.30E-02	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0133	1.70E-03	2.40E-02	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00225	2.90E-03	3.40E-02	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00411	9.67E-04	3.80E-02	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-23.9	5.00E+00	5.60E+01	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-61	1125	11/21/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	26.4	6.67E+00	8.20E+01	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.54	4.67E+00	4.60E+01	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	28.9	6.33E+00	4.30E+01	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.529	4.67E-02	2.50E-01	—	pCi/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.435	5.67E-02	4.50E-01	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	0.551	4.00E-01	5.00E+00	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.291	4.33E-01	5.00E+00	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.34	4.67E-01	4.10E+00	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.219	4.67E-01	4.70E+00	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.224	5.00E-02	4.90E-01	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.216	4.33E-02	4.90E-01	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0782	4.67E-02	4.90E-01	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.293	4.33E-02	5.10E-01	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	LLEE	Tritium	—	33.26	1.70E+00	2.05E+00	—	pCi/L	—	—	12-436	CAMO-12-1513	ARSL
R-61	1125	11/21/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	33.63	1.73E+00	2.46E+00	—	pCi/L	—	—	12-436	CAMO-12-1511	ARSL
R-61	1125	08/18/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	14.91131	8.09E-01	2.27E+00	—	pCi/L	—	—	11-3305	CAMO-11-24698	ARSL
R-61	1125	05/20/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	7.75899	4.58E-01	2.11E+00	—	pCi/L	—	U	11-2531	CAMO-11-10852	ARSL
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.526	1.57E-02	4.50E-02	—	pCi/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.483	1.50E-02	4.90E-02	—	pCi/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.576	2.17E-02	7.30E-02	—	pCi/L	—	—	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.65	2.17E-02	7.60E-02	—	pCi/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.021	2.67E-03	2.50E-02	—	pCi/L	U	U	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0186	2.47E-03	2.70E-02	—	pCi/L	U	U	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0198	3.33E-03	5.20E-02	—	pCi/L	U	U	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0109	2.73E-03	5.90E-02	—	pCi/L	U	U	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.251	9.00E-03	2.40E-02	—	pCi/L	—	—	12-412	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.248	9.33E-03	2.70E-02	—	pCi/L	—	—	12-412	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.312	1.43E-02	6.30E-02	—	pCi/L	—	—	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.32	1.27E-02	4.00E-02	—	pCi/L	—	—	11-2470	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	VOA	SW-846:8260B	Acetone	—	4.3	—	—	3.50E+00	µg/L	J	J	12-411	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	—	3.74	—	—	3.50E+00	µg/L	J	J	12-424	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	—	78.1	—	—	3.50E+00	µg/L	—	J	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	UJ	11-2469	CAMO-11-10852	GELC
R-61	1125	11/21/11	WG	UF	CS	FD	VOA	SW-846:8260B	Toluene	—	0.6	—	—	2.50E-01	µg/L	J	J	12-411	CAMO-12-1513	GELC
R-61	1125	11/21/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	0.54	—	—	2.50E-01	µg/L	J	J	12-424	CAMO-12-1511	GELC
R-61	1125	08/18/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	33.2	—	—	2.50E-01	µg/L	—	—	11-3263	CAMO-11-24698	GELC
R-61	1125	05/20/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	14.6	—	—	2.50E-01	µg/L	—	—	11-2469	CAMO-11-10852	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	DRO	SW-846:8015M	Total Petroleum HyDROcarbons DRO	—	89	—	—	5.30E+01	µg/L	J	J	12-398	CAMO-12-1516	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.8	—	—	7.30E-01	mg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	94.4	—	—	7.30E-01	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.3	—	—	7.30E-01	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10	—	—	5.00E-02	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.6	—	—	5.00E-02	mg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.6	—	—	5.00E-02	mg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	5.00E-02	mg/L	—	—	11-2502	CAMO-11-11689	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.95	—	—	6.60E-02	mg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.18	—	—	6.60E-02	mg/L	—	J+	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.17	—	—	6.60E-02	mg/L	—	J+	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.31	—	—	3.30E-02	mg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.241	—	—	3.30E-02	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.344	—	—	3.30E-02	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	4.50E-01	mg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.1	—	—	4.50E-01	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.5	—	—	4.50E-01	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	4.50E-01	mg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.9	—	—	4.50E-01	mg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.3	—	—	4.50E-01	mg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.78	—	—	1.10E-01	mg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.48	—	—	1.10E-01	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.26	—	—	1.10E-01	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.91	—	—	1.10E-01	mg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.39	—	—	1.10E-01	mg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	1.10E-01	mg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.313	—	—	5.00E-02	mg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.362	—	—	1.00E-01	mg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.438	—	—	5.00E-02	mg/L	—	J+	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Geninorg	EPA:1664A	Oil and Grease	—	1.63	—	—	1.50E+00	mg/L	J	J-	12-398	CAMO-12-1516	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.265	—	—	5.00E-02	µg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.205	—	—	5.00E-02	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.306	—	—	5.00E-02	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.2	—	—	1.00E-02	SU	H	J-	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.14	—	—	1.00E-02	SU	H	J-	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.34	—	—	5.00E-02	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.6	—	—	5.00E-02	mg/L	—	J	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.19	—	—	5.00E-02	mg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	5.00E-02	mg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	J	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	24.4	—	—	1.00E-01	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.2	—	—	1.00E-01	mg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.7	—	—	1.00E-01	mg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	164	—	—	1.00E+00	µS/cm	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	203	—	—	1.00E+00	µS/cm	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	µS/cm	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.13	—	—	1.00E-01	mg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.85	—	—	1.00E-01	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.61	—	—	1.00E-01	mg/L	—	J+	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	3.40E+00	mg/L	—	—	12-399	CAMO-12-1518	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-61	1220.4	08/19/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	3.40E+00	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.49	—	—	3.30E-01	mg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	14.7	—	—	3.30E-01	mg/L	—	J	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.573	—	—	3.30E-01	mg/L	J	J	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.08	—	—	—	permil	—	—	12-401	CAMO-12-1516	EES6
R-61	1220.4	11/18/11	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.92	—	—	—	permil	—	—	12-401	CAMO-12-1516	EES6
R-61	1220.4	08/19/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.77	—	—	—	permil	—	—	11-3273	CAMO-11-24703	EES6
R-61	1220.4	05/24/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.86	—	—	—	permil	—	—	11-2503	CAMO-11-11689	EES6
R-61	1220.4	11/18/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.58	—	—	—	permil	—	—	12-401	CAMO-12-1518	EES6
R-61	1220.4	11/18/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.25	—	—	—	permil	—	—	12-401	CAMO-12-1518	EES6
R-61	1220.4	08/19/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.27	—	—	—	permil	—	—	11-3273	CAMO-11-24702	EES6
R-61	1220.4	05/24/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.21	—	—	—	permil	—	—	11-2503	CAMO-11-11691	EES6
R-61	1220.4	05/24/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.89	—	—	—	permil	—	—	11-2503	CAMO-11-11691	EES6
R-61	1220.4	11/18/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.20	—	—	—	permil	—	—	12-401	CAMO-12-1516	EES6
R-61	1220.4	11/18/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.15	—	—	—	permil	—	—	12-401	CAMO-12-1516	EES6
R-61	1220.4	08/19/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.83	—	—	—	permil	—	—	11-3273	CAMO-11-24703	EES6
R-61	1220.4	05/24/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.98	—	—	—	permil	—	—	11-2503	CAMO-11-11689	EES6
R-61	1220.4	11/18/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.06	—	—	—	permil	—	—	12-401	CAMO-12-1518	EES6
R-61	1220.4	11/18/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.03	—	—	—	permil	—	—	12-401	CAMO-12-1518	EES6
R-61	1220.4	08/19/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-24.16	—	—	—	permil	—	—	11-3273	CAMO-11-24702	EES6
R-61	1220.4	05/24/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.26	—	—	—	permil	—	—	11-2503	CAMO-11-11691	EES6
R-61	1220.4	05/24/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.88	—	—	—	permil	—	—	11-2503	CAMO-11-11691	EES6
R-61	1220.4	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.4	—	—	1.00E+00	µg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.2	—	—	1.00E+00	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.9	—	—	1.00E+00	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34	—	—	1.00E+00	µg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.8	—	—	1.00E+00	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	µg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.2	—	—	1.50E+01	µg/L	J	J	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	33.2	—	—	1.50E+01	µg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.7	—	—	1.50E+01	µg/L	J	J	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.5	—	—	1.50E+01	µg/L	J	J	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	33	—	—	1.50E+01	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	µg/L	J	J	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.07	—	—	1.00E+00	µg/L	J	J	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.45	—	—	1.00E+00	µg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.2	—	—	1.00E+00	µg/L	J	J	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	2.16	—	—	1.00E+00	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	1750	—	—	3.00E+01	µg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	5590	—	—	3.00E+01	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	2160	—	—	3.00E+01	µg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	5680	—	—	3.00E+01	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	57.4	—	—	3.00E+01	µg/L	J	J	11-2502	CAMO-11-11689	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-61	1220.4	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	566	—	—	2.00E+00	µg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	908	—	—	2.00E+00	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	22.2	—	—	2.00E+00	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	605	—	—	2.00E+00	µg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	882	—	—	2.00E+00	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	24.8	—	—	2.00E+00	µg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.76	—	—	1.70E-01	µg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	10.9	—	—	1.70E-01	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.70E-01	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	6.48	—	—	1.70E-01	µg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	10.7	—	—	1.70E-01	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.51	—	—	1.70E-01	µg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.38	—	—	5.00E-01	µg/L	J	J	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.59	—	—	5.00E-01	µg/L	J	J	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.58	—	—	5.00E-01	µg/L	J	J	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.62	—	—	5.00E-01	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.501	—	—	5.00E-01	µg/L	J	J	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.8	—	—	5.30E-02	µg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.2	—	—	5.30E-02	mg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.4	—	—	5.30E-02	mg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.1	—	—	1.00E+00	µg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	81.4	—	—	1.00E+00	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.4	—	—	1.00E+00	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.8	—	—	1.00E+00	µg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.2	—	—	1.00E+00	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49	—	—	1.00E+00	µg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	2	—	—	4.50E-01	µg/L	U	U	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	2	—	—	4.50E-01	µg/L	U	UJ	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.521	—	—	4.50E-01	µg/L	J	J	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	2	—	—	4.50E-01	µg/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	2	—	—	4.50E-01	µg/L	U	UJ	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.759	—	—	6.70E-02	µg/L	—	—	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.606	—	—	6.70E-02	µg/L	—	—	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.847	—	—	6.70E-02	µg/L	—	—	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.827	—	—	6.70E-02	µg/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.635	—	—	6.70E-02	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.82	—	—	6.70E-02	µg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.07	—	—	1.00E+00	µg/L	J	J	12-399	CAMO-12-1518	GELC
R-61	1220.4	08/19/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-3277	CAMO-11-24702	GELC
R-61	1220.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.41	—	—	1.00E+00	µg/L	J	J	11-2502	CAMO-11-11691	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.06	—	—	1.00E+00	µg/L	J	J	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.21	—	—	1.00E+00	µg/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00192	1.70E-03	3.50E-02	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00587	1.97E-03	4.90E-02	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	6.4	4.00E+00	3.70E+01	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00172	5.67E-04	3.50E-02	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.76	5.00E-01	5.70E+00	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-6.3	7.33E-01	7.70E+00	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.203	5.33E-01	5.40E+00	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.05	5.67E-01	7.00E+00	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.515	5.33E-01	5.20E+00	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.89	6.67E-01	5.80E+00	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.293	1.63E-01	2.00E+00	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.14	2.03E-01	1.70E+00	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.24	2.43E-01	2.20E+00	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.81	2.90E-01	2.30E+00	—	pCi/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.69	2.73E-01	2.20E+00	—	pCi/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.66	2.97E-01	2.90E+00	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.61	1.03E+00	1.00E+01	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.24	9.00E-01	8.90E+00	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0154	2.20E-03	2.10E-02	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00255	1.47E-03	2.60E-02	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0039	1.30E-03	2.40E-02	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00683	1.13E-03	2.10E-02	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0051	2.07E-03	4.90E-02	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0039	1.60E-03	3.60E-02	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6.14	6.67E+00	7.40E+01	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	8.24	7.00E+00	7.40E+01	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.1	6.67E+00	7.30E+01	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0237	2.63E-02	3.20E-01	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.102	3.67E-02	4.00E-01	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.05	4.33E-01	4.90E+00	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0637	5.33E-01	5.20E+00	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.01	4.67E-01	5.00E+00	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.294	5.00E-02	4.90E-01	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.144	5.00E-02	5.00E-01	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.151	4.67E-02	4.80E-01	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.25	2.13E-01	2.17E+00	—	pCi/L	U	U	12-436	CAMO-12-1516	ARSL
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.28737	2.34E-01	2.33E+00	—	pCi/L	U	U	11-3305	CAMO-11-24703	ARSL
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.38316	2.02E-01	2.11E+00	—	pCi/L	U	U	11-2531	CAMO-11-11689	ARSL
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.472	1.47E-02	4.70E-02	—	pCi/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.4	1.57E-02	6.00E-02	—	pCi/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.552	1.83E-02	7.00E-02	—	pCi/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0155	2.23E-03	2.60E-02	—	pCi/L	U	U	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0244	3.33E-03	4.30E-02	—	pCi/L	U	U	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.01	2.97E-03	5.40E-02	—	pCi/L	U	U	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.208	8.33E-03	2.60E-02	—	pCi/L	—	—	12-399	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.266	1.23E-02	5.10E-02	—	pCi/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.349	1.33E-02	3.70E-02	—	pCi/L	—	—	11-2502	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	—	5.32	—	—	3.50E+00	µg/L	J	J	12-398	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	—	6.52	—	—	3.50E+00	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	UJ	11-2501	CAMO-11-11689	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-61	1220.4	11/18/11	WG	UF	CS	—	VOA	SW-846:8260B	Butanone[2-]	—	2.15	—	—	1.30E+00	µg/L	J	J	12-398	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	VOA	SW-846:8260B	Butanone[2-]	—	1.87	—	—	1.30E+00	µg/L	J	J	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	VOA	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30E+00	µg/L	U	UJ	11-2501	CAMO-11-11689	GELC
R-61	1220.4	11/18/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	0.4	—	—	2.50E-01	µg/L	J	J	12-398	CAMO-12-1516	GELC
R-61	1220.4	08/19/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	2.29	—	—	2.50E-01	µg/L	—	—	11-3277	CAMO-11-24703	GELC
R-61	1220.4	05/24/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	0.38	—	—	2.50E-01	µg/L	J	J	11-2501	CAMO-11-11689	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	112	—	—	7.30E-01	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	7.30E-01	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	106	—	—	7.30E-01	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	93.3	—	—	7.30E-01	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.5	—	—	7.30E-01	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.838	—	—	6.60E-02	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.882	—	—	6.60E-02	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.926	—	—	6.60E-02	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.943	—	—	6.60E-02	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.917	—	—	6.60E-02	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.4	—	—	5.00E-02	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	77.4	—	—	5.00E-02	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	68.1	—	—	5.00E-02	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.4	—	—	5.00E-02	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	68	—	—	5.00E-02	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	76.6	—	—	5.00E-02	mg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	75.4	—	—	5.00E-02	mg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	64.7	—	—	5.00E-02	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	66	—	—	5.00E-02	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70	—	—	5.00E-02	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	97.6	—	—	6.60E-01	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	92	—	—	6.60E-01	mg/L	—	J+	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	92.2	—	—	6.60E-01	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	91.9	—	—	6.60E-01	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	88.5	—	—	6.60E-01	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0016	—	—	1.50E-03	mg/L	J	J	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.00369	—	—	1.50E-03	mg/L	J	U	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.50E-03	mg/L	U	U	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00173	—	—	1.70E-03	mg/L	J	J	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	UJ	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.192	—	—	3.30E-02	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.16	—	—	3.30E-02	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.195	—	—	3.30E-02	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.181	—	—	3.30E-02	mg/L	—	J-	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.208	—	—	3.30E-02	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	219	—	—	4.50E-01	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	241	—	—	4.50E-01	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	212	—	—	4.50E-01	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	207	—	—	4.50E-01	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	211	—	—	3.50E-01	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	237	—	—	4.50E-01	mg/L	—	—	12-352	CASA-12-1373	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	08/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	234	—	—	4.50E-01	mg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	200	—	—	4.50E-01	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	206	—	—	4.50E-01	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	218	—	—	3.50E-01	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.5	—	—	1.10E-01	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.5	—	—	1.10E-01	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.2	—	—	1.10E-01	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.97	—	—	1.10E-01	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10	—	—	8.50E-02	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.2	—	—	1.10E-01	mg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.2	—	—	1.10E-01	mg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.37	—	—	1.10E-01	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.98	—	—	1.10E-01	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.43	—	—	5.00E-02	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.38	—	—	1.00E-01	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.83	—	—	5.00E-02	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.03	—	—	1.00E-01	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.14	—	—	1.00E-01	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.89	—	—	5.00E-02	µg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.895	—	—	1.00E-01	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.902	—	—	5.00E-02	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.936	—	—	5.00E-02	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.981	—	—	1.00E-01	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.29	—	—	1.00E-02	SU	H	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.46	—	—	1.00E-02	SU	H	J-	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J-	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	5.00E-02	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	J	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.99	—	—	5.00E-02	mg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.99	—	—	5.00E-02	mg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.16	—	—	5.00E-02	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.41	—	—	5.00E-02	mg/L	—	J	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	57.5	—	—	1.00E-01	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.5	—	—	1.00E-01	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	51.7	—	—	1.00E-01	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.4	—	—	1.00E-01	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.8	—	—	1.00E-01	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	62.9	—	—	1.00E-01	mg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.5	—	—	1.00E-01	mg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.5	—	—	1.00E-01	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.9	—	—	1.00E-01	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.2	—	—	1.00E-01	mg/L	—	—	11-555	CASA-11-1360	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	719	—	—	1.00E+00	µS/cm	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	651	—	—	1.00E+00	µS/cm	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	712	—	—	1.00E+00	µS/cm	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	78.4	—	—	1.00E+00	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	79.6	—	—	1.00E+00	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	84.9	—	—	1.00E+00	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	84.7	—	—	1.00E+00	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85.5	—	—	1.00E+00	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	491	—	—	3.40E+00	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	454	—	—	3.40E+00	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	487	—	—	2.40E+00	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	456	—	—	2.40E+00	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	465	—	—	2.40E+00	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.115	—	—	3.50E-02	mg/L	—	J+	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.179	—	—	3.50E-02	mg/L	—	U	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.50E-02	mg/L	U	UJ	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.09	—	—	3.30E-02	mg/L	J	J-	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.57	—	—	3.30E-01	mg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.841	—	—	3.30E-01	mg/L	J	J	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.68	—	—	3.30E-01	mg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.86	—	—	3.30E-01	mg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.72	—	—	3.30E-01	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.842	—	—	1.50E-02	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.693	—	—	1.50E-02	mg/L	—	J	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.735	—	—	1.50E-02	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.895	—	—	1.50E-02	mg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.722	—	—	1.50E-02	mg/L	—	J	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-64.69	—	—	—	permil	—	—	12-351	CASA-12-1373	EES6
SCI-1	358.4	07/12/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-65.20	—	—	—	permil	—	—	10-3648	CASA-10-22646	EES6
SCI-1	358.4	05/07/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-63.10	—	—	—	permil	—	—	10-3101	CASA-10-16757	EES6
SCI-1	358.4	02/05/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-63.64	—	—	—	permil	—	—	10-1677	CASA-10-9452	EES6
SCI-1	358.4	11/18/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-66.54	—	—	—	permil	—	—	10-593	CASA-10-3665	EES6
SCI-1	358.4	11/16/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	28.37	—	—	—	permil	—	—	12-351	CASA-12-1374	EES6
SCI-1	358.4	11/16/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	27.68	—	—	—	permil	—	—	12-351	CASA-12-1374	EES6
SCI-1	358.4	07/12/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	25.22	—	—	—	permil	—	—	10-3648	CASA-10-22647	EES6
SCI-1	358.4	05/07/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	24.57	—	—	—	permil	—	—	10-3101	CASA-10-16756	EES6
SCI-1	358.4	02/05/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	23.18	—	—	—	permil	—	—	10-1677	CASA-10-9454	EES6
SCI-1	358.4	11/18/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	24.51	—	—	—	permil	—	—	10-593	CASA-10-3667	EES6
SCI-1	358.4	11/16/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.37	—	—	—	permil	—	—	12-351	CASA-12-1373	EES6
SCI-1	358.4	11/16/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.33	—	—	—	permil	—	—	12-351	CASA-12-1373	EES6
SCI-1	358.4	07/12/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.04	—	—	—	permil	—	—	10-3648	CASA-10-22646	EES6
SCI-1	358.4	05/07/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.02	—	—	—	permil	—	—	10-3101	CASA-10-16757	EES6
SCI-1	358.4	02/05/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-8.76	—	—	—	permil	—	—	10-1677	CASA-10-9452	EES6
SCI-1	358.4	11/18/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.04	—	—	—	permil	—	—	10-593	CASA-10-3665	EES6
SCI-1	358.4	11/18/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.00	—	—	—	permil	—	—	10-593	CASA-10-3665	EES6
SCI-1	358.4	11/16/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	5.84	—	—	—	permil	—	—	12-351	CASA-12-1374	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	11/16/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	5.75	—	—	—	permil	—	—	12-351	CASA-12-1374	EES6
SCI-1	358.4	07/12/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	6.83	—	—	—	permil	—	—	10-3648	CASA-10-22647	EES6
SCI-1	358.4	05/07/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	3.86	—	—	—	permil	—	—	10-3101	CASA-10-16756	EES6
SCI-1	358.4	11/18/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	4.45	—	—	—	permil	—	—	10-593	CASA-10-3667	EES6
SCI-1	358.4	08/03/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	5.34	—	—	—	permil	—	—	09-2755	CASA-09-10348	EES6
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	16.5	—	—	8.50E+00	µg/L	J	J	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.61	—	—	1.70E+00	µg/L	J	J	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.5	—	—	1.50E+00	µg/L	J	J	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	23.4	—	—	8.50E+00	µg/L	J	J	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70E+00	µg/L	U	U	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.37	—	—	1.70E+00	µg/L	J	J	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.42	—	—	1.70E+00	µg/L	J	J	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.62	—	—	1.50E+00	µg/L	J	J	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.7	—	—	1.00E+00	µg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	51.3	—	—	1.00E+00	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.6	—	—	1.00E+00	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.9	—	—	1.00E+00	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1.00E+00	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40.1	—	—	1.00E+00	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.6	—	—	1.00E+00	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.8	—	—	1.00E+00	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.4	—	—	1.00E+00	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.9	—	—	1.00E+00	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	85.8	—	—	1.50E+01	µg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	99.4	—	—	1.50E+01	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	72.8	—	—	1.50E+01	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	88.3	—	—	1.50E+01	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	84.6	—	—	1.50E+01	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	94.1	—	—	1.50E+01	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	96	—	—	1.50E+01	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	69	—	—	1.50E+01	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	89.2	—	—	1.50E+01	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	86.7	—	—	1.50E+01	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	48.7	—	—	1.00E+01	µg/L	J	J	12-352	CASA-12-1374	GELC
SCI-1	358.4	11/16/11	WG	F	RE	—	Metals	SW-846:6020	Chromium	—	8.96	—	—	2.00E+00	µg/L	J	J	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.5	—	—	2.00E+00	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.6	—	—	2.00E+00	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.7	—	—	2.00E+00	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.9	—	—	2.50E+00	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	69.9	—	—	1.00E+01	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	11/16/11	WG	UF	RE	—	Metals	SW-846:6020	Chromium	—	12.2	—	—	2.00E+00	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.8	—	—	2.00E+00	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.5	—	—	2.00E+00	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.9	—	—	2.00E+00	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.6	—	—	2.50E+00	µg/L	—	—	11-555	CASA-11-1360	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	7.6	—	—	3.00E+00	µg/L	J	J	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	4.74	—	—	3.00E+00	µg/L	J	J	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.19	—	—	3.00E+00	µg/L	J	J	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.49	—	—	3.00E+00	µg/L	J	J	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.61	—	—	3.00E+00	µg/L	J	J	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.02	—	—	3.00E+00	µg/L	J	J	11-555	CASA-11-1360	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	235	—	—	3.00E+01	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	211	—	—	3.00E+01	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	184	—	—	3.00E+01	µg/L	—	J	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	74.9	—	—	3.00E+01	µg/L	J	J	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	92.6	—	—	3.00E+01	µg/L	J	J	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	77	—	—	1.70E-01	µg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	11/16/11	WG	F	RE	—	Metals	SW-846:6020	Molybdenum	—	77.3	—	—	1.70E-01	µg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	68.9	—	—	1.70E-01	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	74.3	—	—	1.70E-01	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	85.1	—	—	1.70E-01	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	94.5	—	—	1.00E-01	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	76.7	—	—	1.70E-01	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	11/16/11	WG	UF	RE	—	Metals	SW-846:6020	Molybdenum	—	74.7	—	—	1.70E-01	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	68.8	—	—	1.70E-01	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	89.2	—	—	1.70E-01	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	87.2	—	—	1.70E-01	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	90.8	—	—	1.00E-01	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	50.8	—	—	2.50E+00	µg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	11/16/11	WG	F	RE	—	Metals	SW-846:6020	Nickel	—	5.13	—	—	5.00E-01	µg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.5	—	—	5.00E-01	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.16	—	—	5.00E-01	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.61	—	—	5.00E-01	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.3	—	—	5.00E-01	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	22.1	—	—	2.50E+00	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	11/16/11	WG	UF	RE	—	Metals	SW-846:6020	Nickel	—	5.15	—	—	5.00E-01	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.51	—	—	5.00E-01	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.83	—	—	5.00E-01	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.34	—	—	5.00E-01	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.31	—	—	5.00E-01	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.3	—	—	5.30E-02	mg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	5.30E-02	mg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.8	—	—	5.30E-02	mg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.5	—	—	5.30E-02	mg/L	—	—	11-1404	CASA-11-4554	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.2	—	—	5.30E-02	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Silver	—	0.229	—	—	2.00E-01	µg/L	J	J	12-352	CASA-12-1374	GELC
SCI-1	358.4	11/16/11	WG	F	RE	—	Metals	SW-846:6020	Silver	—	0.237	—	—	2.00E-01	µg/L	J	J	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Silver	—	0.4	—	—	2.00E-01	µg/L	J	J	12-352	CASA-12-1373	GELC
SCI-1	358.4	11/16/11	WG	UF	RE	—	Metals	SW-846:6020	Silver	—	0.401	—	—	2.00E-01	µg/L	J	J	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Silver	—	0.401	—	—	2.00E-01	µg/L	J	J	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	314	—	—	1.00E+00	µg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	338	—	—	1.00E+00	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	301	—	—	1.00E+00	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	299	—	—	1.00E+00	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	298	—	—	1.00E+00	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	337	—	—	1.00E+00	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	327	—	—	1.00E+00	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	285	—	—	1.00E+00	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	298	—	—	1.00E+00	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	302	—	—	1.00E+00	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.84	—	—	6.70E-02	µg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	11/16/11	WG	F	RE	—	Metals	SW-846:6020	Uranium	—	3.09	—	—	6.70E-02	µg/L	—	—	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.95	—	—	6.70E-02	µg/L	—	—	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.06	—	—	6.70E-02	µg/L	—	—	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.7	—	—	6.70E-02	µg/L	—	—	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.82	—	—	5.00E-02	µg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.09	—	—	6.70E-02	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	11/16/11	WG	UF	RE	—	Metals	SW-846:6020	Uranium	—	3.45	—	—	6.70E-02	µg/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2	—	—	6.70E-02	µg/L	—	—	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.62	—	—	6.70E-02	µg/L	—	—	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.76	—	—	6.70E-02	µg/L	—	—	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.83	—	—	5.00E-02	µg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.08	—	—	1.00E+00	µg/L	J	J	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.13	—	—	1.00E+00	µg/L	J	J	11-3243	CASA-11-24763	GELC
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.25	—	—	1.00E+00	µg/L	J	J	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.66	—	—	1.00E+00	µg/L	J	J	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.49	—	—	1.00E+00	µg/L	J	J	11-555	CASA-11-1361	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.36	—	—	1.00E+00	µg/L	J	J	12-352	CASA-12-1373	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.19	—	—	1.00E+00	µg/L	J	J	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.07	—	—	1.00E+00	µg/L	J	J	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.68	—	—	1.00E+00	µg/L	J	J	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.67	—	—	1.00E+00	µg/L	J	J	11-555	CASA-11-1360	GELC
SCI-1	358.4	11/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.6	—	—	3.30E+00	µg/L	J	J	12-352	CASA-12-1374	GELC
SCI-1	358.4	08/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-3243	CASA-11-24763	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	05/24/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-2518	CASA-11-10804	GELC
SCI-1	358.4	02/18/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.64	—	—	3.30E+00	µg/L	J	J	11-1404	CASA-11-4554	GELC
SCI-1	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-555	CASA-11-1361	GELC
SCI-1	358.4	08/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-3243	CASA-11-24764	GELC
SCI-1	358.4	05/24/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-2518	CASA-11-10805	GELC
SCI-1	358.4	02/18/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.08	—	—	3.30E+00	µg/L	J	J	11-1404	CASA-11-4553	GELC
SCI-1	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-555	CASA-11-1360	GELC
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00297	9.00E-04	2.60E-02	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.037	3.67E-03	4.40E-02	—	pCi/L	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0296	3.33E-03	4.20E-02	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00449	1.60E-03	3.90E-02	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00706	1.27E-03	3.40E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00279	7.67E-04	2.70E-02	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.888	4.33E-01	4.60E+00	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.281	4.00E-01	4.10E+00	—	pCi/L	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.837	4.67E-01	4.60E+00	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.54	5.67E-01	5.00E+00	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.615	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.905	4.67E-01	4.70E+00	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.709	4.33E-01	4.00E+00	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.8	4.00E-01	4.70E+00	—	pCi/L	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.76	5.00E-01	4.40E+00	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.753	5.00E-01	5.00E+00	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.986	4.00E-01	4.30E+00	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.83	4.67E-01	5.20E+00	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	358.4	08/22/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	3.73	4.57E-01	2.91E+00	—	pCi/L	—	J	192311	GF070800SCI101	GELC
SCI-1	358.4	06/15/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	2.68	2.64E-01	1.95E+00	—	pCi/L	—	J	188134	GF070600SCI101	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.45	6.00E-01	3.40E+00	—	pCi/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.4	4.33E-01	2.90E+00	—	pCi/L	—	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.89	4.67E-01	3.10E+00	—	pCi/L	—	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/22/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5	4.43E-01	2.66E+00	—	pCi/L	—	J	192311	GU070800SCI101	GELC
SCI-1	358.4	06/15/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.698	2.21E-01	2.31E+00	—	pCi/L	U	U	188134	GU070600SCI101	GELC
SCI-1	358.4	08/22/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.8	3.87E-01	3.35E+00	—	pCi/L	—	J	192311	GF070800SCI101	GELC
SCI-1	358.4	06/15/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.43	3.02E-01	2.97E+00	—	pCi/L	U	U	188134	GF070600SCI101	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.59	3.67E-01	3.00E+00	—	pCi/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.414	2.80E-01	3.00E+00	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.25	1.80E-01	1.70E+00	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/22/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.5	4.67E-01	4.16E+00	—	pCi/L	—	J	192311	GU070800SCI101	GELC
SCI-1	358.4	06/15/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.54	3.43E-01	3.03E+00	—	pCi/L	—	J	188134	GU070600SCI101	GELC
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.37	2.17E+00	2.00E+01	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.488	9.00E-01	9.40E+00	—	pCi/L	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.869	9.00E-01	9.20E+00	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	28.6	4.33E+00	4.60E+01	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	23.1	4.00E+00	4.10E+01	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.85	3.10E+00	3.20E+01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00179	2.60E-03	2.50E-02	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00181	1.03E-03	2.10E-02	—	pCi/L	U	U	12-352	CASA-12-1373	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.00E-04	2.40E-02	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.03E-03	3.70E-02	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0212	2.83E-03	2.90E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0054	2.33E-03	2.50E-02	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00358	1.70E-03	3.10E-02	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00362	8.67E-04	2.90E-02	—	pCi/L	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00181	1.37E-03	2.50E-02	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00221	1.27E-03	2.60E-02	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00193	1.70E-03	3.50E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0036	1.20E-03	3.10E-02	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	9.84	4.67E+00	4.70E+01	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-20.9	5.00E+00	5.30E+01	—	pCi/L	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.6	7.00E+00	7.10E+01	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	17.8	7.00E+00	7.80E+01	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	27.1	4.67E+00	5.20E+01	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.88	6.00E+00	6.10E+01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.319	3.00E-02	1.40E-01	—	pCi/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0524	2.17E-02	2.50E-01	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.348	3.67E-02	2.80E-01	—	pCi/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.142	4.00E-02	4.40E-01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.369	5.33E-02	4.40E-01	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.362	4.33E-02	3.50E-01	—	pCi/L	—	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.105	7.67E-02	8.00E-01	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.592	7.67E-02	6.30E-01	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	2.3	1.33E-01	5.30E-01	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.413	5.67E-02	5.20E-01	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.847	4.00E-01	3.50E+00	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0544	3.67E-01	4.30E+00	—	pCi/L	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.555	3.67E-01	3.50E+00	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.52	5.33E-01	5.60E+00	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.56	4.00E-01	4.30E+00	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.67	4.67E-01	5.20E+00	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.192	3.03E-02	2.80E-01	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0157	4.67E-02	4.90E-01	—	pCi/L	U	U	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0308	3.10E-02	3.50E-01	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0589	4.67E-02	4.90E-01	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0186	3.17E-02	3.60E-01	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.105	2.43E-02	2.50E-01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	60.72	3.07E+00	2.33E+00	—	pCi/L	—	—	12-353	CASA-12-1373	ARSL
SCI-1	358.4	05/24/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	77.40	3.91E+00	2.17E+00	—	pCi/L	—	—	11-2519	CASA-11-10805	ARSL
SCI-1	358.4	11/16/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	298.64	1.50E+01	2.55E+00	—	pCi/L	—	R	11-556	CASA-11-1360	ARSL
SCI-1	358.4	11/16/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	87.39	4.41E+00	2.55E+00	—	pCi/L	—	—	11-556	CASA-11-1360	ARSL
SCI-1	358.4	05/07/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	68.65	3.46E+00	1.82E+00	—	pCi/L	—	R	10-3122	CASA-10-16757	ARSL
SCI-1	358.4	05/07/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	70.25	3.53E+00	1.82E+00	—	pCi/L	—	—	10-3122	CASA-10-16757	ARSL
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	83.34	9.58E-01	2.87E-01	—	pCi/L	—	—	10-1680	CASA-10-9452	UMTL
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.56	3.33E-02	6.00E-02	—	pCi/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.91	5.00E-02	6.20E-02	—	pCi/L	—	—	12-352	CASA-12-1373	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.64	4.67E-02	1.30E-01	—	pCi/L	—	—	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.45	4.00E-02	6.80E-02	—	pCi/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.28	3.33E-02	7.60E-02	—	pCi/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.6	3.33E-02	5.20E-02	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0882	5.00E-03	3.20E-02	—	pCi/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0722	5.33E-03	3.20E-02	—	pCi/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0166	5.00E-03	6.10E-02	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.072	5.33E-03	3.90E-02	—	pCi/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0342	3.33E-03	3.70E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0717	4.33E-03	2.80E-02	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.728	1.80E-02	3.10E-02	—	pCi/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.915	2.67E-02	2.70E-02	—	pCi/L	—	—	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.774	2.67E-02	7.80E-02	—	pCi/L	—	—	10-3651	CASA-10-22646	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.677	2.10E-02	4.40E-02	—	pCi/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.647	1.90E-02	3.70E-02	—	pCi/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.809	1.90E-02	2.70E-02	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	358.4	11/16/11	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.56	—	—	2.50E-01	µg/L	HJ	J-	12-352	CASA-12-1373	GELC
SCI-1	358.4	07/12/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.56	—	—	2.50E-01	µg/L	J	J	10-3649	CASA-10-22646	GELC
SCI-1	358.4	05/07/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.5	—	—	2.50E-01	µg/L	J	J	10-3090	CASA-10-16757	GELC
SCI-1	358.4	02/05/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.53	—	—	2.50E-01	µg/L	J	J	10-1678	CASA-10-9452	GELC
SCI-1	358.4	11/18/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.532	—	—	2.50E-01	µg/L	J	J	10-594	CASA-10-3665	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.3	—	—	7.30E-01	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.7	—	—	7.30E-01	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	83.1	—	—	7.30E-01	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.1	—	—	7.30E-01	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.8	—	—	7.30E-01	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.546	—	—	6.60E-02	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.505	—	—	6.60E-02	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.505	—	—	6.60E-02	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.506	—	—	6.60E-02	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.47	—	—	6.60E-02	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.7	—	—	5.00E-02	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.5	—	—	5.00E-02	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	68.3	—	—	5.00E-02	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.6	—	—	5.00E-02	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	69.2	—	—	5.00E-02	mg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	68	—	—	5.00E-02	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	67.1	—	—	5.00E-02	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	65.2	—	—	5.00E-02	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	67.8	—	—	3.30E-01	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	60	—	—	6.60E-01	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.9	—	—	6.60E-01	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	63.5	—	—	3.30E-01	mg/L	—	J+	11-1387	CASA-11-4555	GELC
SCI-2	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57	—	—	6.60E-01	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00837	—	—	1.50E-03	mg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00689	—	—	1.50E-03	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0072	—	—	1.50E-03	mg/L	—	—	11-2608	CASA-11-10807	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	02/17/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00565	—	—	1.70E-03	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.21	—	—	3.30E-02	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.199	—	—	3.30E-02	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.249	—	—	3.30E-02	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.226	—	—	3.30E-02	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.215	—	—	3.30E-02	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	247	—	—	4.50E-01	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	228	—	—	4.50E-01	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	235	—	—	4.50E-01	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	228	—	—	4.50E-01	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	238	—	—	4.50E-01	mg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	234	—	—	4.50E-01	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	231	—	—	4.50E-01	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	223	—	—	4.50E-01	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	16.6	—	—	1.10E-01	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.1	—	—	1.10E-01	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.6	—	—	1.10E-01	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15	—	—	1.10E-01	mg/L	N	J-	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.7	—	—	1.10E-01	mg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.6	—	—	1.10E-01	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.4	—	—	1.10E-01	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.7	—	—	1.10E-01	mg/L	N	J-	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.9	—	—	5.00E-02	mg/L	—	J-	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.57	—	—	1.00E-01	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.46	—	—	1.00E-01	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.25	—	—	5.00E-02	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.4	—	—	2.50E-01	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.07	—	—	1.00E-01	µg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.01	—	—	1.00E-01	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.06	—	—	1.00E-01	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.05	—	—	1.00E-01	µg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.04	—	—	1.00E-01	µg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.51	—	—	1.00E-02	SU	H	J-	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.74	—	—	1.00E-02	SU	H	J-	11-3176	CASA-11-24766	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.13	—	—	5.00E-02	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.63	—	—	5.00E-02	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.72	—	—	5.00E-02	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.6	—	—	5.00E-02	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.91	—	—	5.00E-02	mg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.74	—	—	5.00E-02	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.72	—	—	5.00E-02	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.5	—	—	5.00E-02	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.4	—	—	1.00E-01	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.6	—	—	1.00E-01	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.8	—	—	1.00E-01	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.6	—	—	1.00E-01	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.4	—	—	1.00E-01	mg/L	—	—	12-331	CASA-12-1376	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	08/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22	—	—	1.00E-01	mg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.4	—	—	1.00E-01	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.1	—	—	1.00E-01	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	606	—	—	1.00E+00	µS/cm	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	590	—	—	1.00E+00	µS/cm	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	92.2	—	—	5.00E-01	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	84	—	—	1.00E+00	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	86.4	—	—	1.00E+00	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	91.6	—	—	5.00E-01	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85.7	—	—	1.00E+00	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	406	—	—	3.40E+00	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	407	—	—	3.40E+00	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	420	—	—	2.40E+00	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	414	—	—	2.40E+00	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	450	—	—	2.40E+00	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.0827	—	—	3.50E-02	mg/L	J	J+	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	1	—	—	3.50E-01	mg/L	U	U	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.50E-02	mg/L	U	U	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.115	—	—	3.30E-02	mg/L	—	U	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.31	—	—	3.30E-01	mg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.777	—	—	3.30E-01	mg/L	J	J	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.16	—	—	3.30E-01	mg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.07	—	—	3.30E-01	mg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.025	—	—	1.50E-02	mg/L	J	J	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.144	—	—	1.50E-02	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0371	—	—	1.50E-02	mg/L	J	U	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.064	—	—	1.50E-02	mg/L	—	U	11-1387	CASA-11-4555	GELC
SCI-2	548	11/16/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.052	—	—	1.50E-02	mg/L	—	U	11-555	CASA-11-1362	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-66.18	—	—	—	permil	—	—	12-330	CASA-12-1376	EES6
SCI-2	548	07/15/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-65.82	—	—	—	permil	—	—	10-3715	CASA-10-22650	EES6
SCI-2	548	05/06/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-65.87	—	—	—	permil	—	—	10-3101	CASA-10-16763	EES6
SCI-2	548	05/06/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-65.10	—	—	—	permil	—	—	10-3101	CASA-10-16763	EES6
SCI-2	548	02/08/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-64.14	—	—	—	permil	—	—	10-1695	CASA-10-9489	EES6
SCI-2	548	11/17/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-69.26	—	—	—	permil	—	—	10-549	CASA-10-3716	EES6
SCI-2	548	11/17/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-69.57	—	—	—	permil	—	—	10-549	CASA-10-3716	EES6
SCI-2	548	11/14/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	13.01	—	—	—	permil	—	—	12-330	CASA-12-1378	EES6
SCI-2	548	11/14/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	13.24	—	—	—	permil	—	—	12-330	CASA-12-1378	EES6
SCI-2	548	07/15/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	11.39	—	—	—	permil	—	—	10-3715	CASA-10-22651	EES6
SCI-2	548	05/06/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	12.00	—	—	—	permil	—	—	10-3101	CASA-10-16761	EES6
SCI-2	548	02/08/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	11.98	—	—	—	permil	—	—	10-1695	CASA-10-9490	EES6
SCI-2	548	11/17/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	11.92	—	—	—	permil	—	—	10-549	CASA-10-3717	EES6
SCI-2	548	11/14/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.00	—	—	—	permil	—	—	12-330	CASA-12-1376	EES6
SCI-2	548	11/14/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.05	—	—	—	permil	—	—	12-330	CASA-12-1376	EES6
SCI-2	548	07/15/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.61	—	—	—	permil	—	—	10-3715	CASA-10-22650	EES6
SCI-2	548	05/06/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.09	—	—	—	permil	—	—	10-3101	CASA-10-16763	EES6
SCI-2	548	02/08/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-8.89	—	—	—	permil	—	—	10-1695	CASA-10-9489	EES6
SCI-2	548	02/08/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.40	—	—	—	permil	—	—	10-1695	CASA-10-9489	EES6

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	11/17/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.29	—	—	—	permil	—	—	10-549	CASA-10-3716	EES6
SCI-2	548	11/17/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.18	—	—	—	permil	—	—	10-549	CASA-10-3716	EES6
SCI-2	548	11/14/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.27	—	—	—	permil	—	—	12-330	CASA-12-1378	EES6
SCI-2	548	11/14/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.98	—	—	—	permil	—	—	12-330	CASA-12-1378	EES6
SCI-2	548	07/15/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	3.42	—	—	—	permil	—	—	10-3715	CASA-10-22651	EES6
SCI-2	548	05/06/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.17	—	—	—	permil	—	—	10-3101	CASA-10-16761	EES6
SCI-2	548	11/17/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.56	—	—	—	permil	—	—	10-549	CASA-10-3717	EES6
SCI-2	548	08/04/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.64	—	—	—	permil	—	—	09-2771	CASA-09-10368	EES6
SCI-2	548	11/14/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	70	—	—	1.00E+00	µg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	65	—	—	1.00E+00	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	65.4	—	—	1.00E+00	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	65	—	—	1.00E+00	µg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	66.4	—	—	1.00E+00	µg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65.7	—	—	1.00E+00	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.5	—	—	1.00E+00	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	61.7	—	—	1.00E+00	µg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.4	—	—	1.50E+01	µg/L	J	J	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.5	—	—	1.50E+01	µg/L	J	J	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	µg/L	J	J	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.1	—	—	1.50E+01	µg/L	J	J	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.5	—	—	1.50E+01	µg/L	J	J	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.5	—	—	1.50E+01	µg/L	J	J	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	µg/L	J	J	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	µg/L	J	J	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	501	—	—	1.00E+01	µg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	504	—	—	2.00E+00	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	508	—	—	2.00E+00	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	441	—	—	2.00E+00	µg/L	E	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	524	—	—	1.00E+01	µg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	513	—	—	2.00E+00	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	502	—	—	2.00E+00	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	466	—	—	2.00E+00	µg/L	E	—	11-1387	CASA-11-4556	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	32.4	—	—	3.00E+01	µg/L	J	J	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	44.3	—	—	3.00E+01	µg/L	J	J	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	36.8	—	—	3.00E+01	µg/L	J	J	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	50.3	—	—	3.00E+01	µg/L	J	J	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	32.5	—	—	3.00E+01	µg/L	J	J	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.684	—	—	1.70E-01	µg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.702	—	—	1.70E-01	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.68	—	—	1.70E-01	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.795	—	—	1.70E-01	µg/L	—	U	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.718	—	—	1.70E-01	µg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.737	—	—	1.70E-01	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.674	—	—	1.70E-01	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.817	—	—	1.70E-01	µg/L	—	U	11-1387	CASA-11-4556	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	11/14/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.5	—	—	2.50E+00	µg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.8	—	—	5.00E-01	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17	—	—	5.00E-01	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.5	—	—	5.00E-01	µg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.4	—	—	2.50E+00	µg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	17.2	—	—	5.00E-01	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.9	—	—	5.00E-01	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	17.4	—	—	5.00E-01	µg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.3	—	—	5.30E-02	mg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.9	—	—	2.70E-01	mg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.5	—	—	5.30E-02	mg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.9	—	—	5.30E-02	mg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.9	—	—	5.30E-02	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	350	—	—	1.00E+00	µg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	321	—	—	1.00E+00	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	316	—	—	1.00E+00	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	322	—	—	1.00E+00	µg/L	—	—	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	336	—	—	1.00E+00	µg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	328	—	—	1.00E+00	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	310	—	—	1.00E+00	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	316	—	—	1.00E+00	µg/L	—	—	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	6.70E-02	µg/L	—	—	12-331	CASA-12-1378	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	6.70E-02	µg/L	—	—	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	6.70E-02	µg/L	—	—	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.39	—	—	6.70E-02	µg/L	—	J	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.63	—	—	6.70E-02	µg/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	6.70E-02	µg/L	—	—	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.54	—	—	6.70E-02	µg/L	—	—	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	6.70E-02	µg/L	—	J	11-1387	CASA-11-4556	GELC
SCI-2	548	08/11/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-3176	CASA-11-24766	GELC
SCI-2	548	06/02/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1.78	—	—	1.00E+00	µg/L	J	U	11-2608	CASA-11-10806	GELC
SCI-2	548	02/17/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.03	—	—	1.00E+00	µg/L	J	J	11-1387	CASA-11-4555	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.29	—	—	1.00E+00	µg/L	J	J	12-331	CASA-12-1376	GELC
SCI-2	548	08/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-3176	CASA-11-24765	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	1.61	—	—	1.00E+00	µg/L	J	U	11-2608	CASA-11-10807	GELC
SCI-2	548	02/17/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-1387	CASA-11-4556	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00387	1.30E-03	3.00E-02	—	pCi/L	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00643	1.50E-03	3.70E-02	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00744	1.33E-03	2.10E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00092	3.67E-03	3.10E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000905	6.67E-04	3.70E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.04	5.33E-01	5.30E+00	—	pCi/L	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.15	6.33E-01	6.50E+00	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.507	2.90E-01	3.00E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.84	5.00E-01	4.40E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.25	5.33E-01	4.60E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.549	4.67E-01	5.50E+00	—	pCi/L	U	U	12-331	CASA-12-1376	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.582	5.00E-01	4.70E+00	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.184	3.67E-01	3.50E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.807	5.67E-01	5.90E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.81	4.33E-01	4.70E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.564	2.47E-01	2.80E+00	—	pCi/L	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.935	2.70E-01	2.80E+00	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.21	1.63E-01	2.80E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.37	2.83E-01	2.60E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.97	3.00E-01	2.50E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.43	3.33E-01	2.90E+00	—	pCi/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.69	3.67E-01	2.80E+00	—	pCi/L	—	—	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.64	3.13E-01	1.90E+00	—	pCi/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.65	3.20E-01	2.50E+00	—	pCi/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.36	3.27E-01	2.60E+00	—	pCi/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.65	9.33E-01	8.70E+00	—	pCi/L	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.02	9.00E-01	8.50E+00	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.685	6.33E-01	6.10E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.4	4.33E+00	4.30E+01	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.94	3.30E+00	3.40E+01	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00411	1.67E-03	2.30E-02	—	pCi/L	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00231	1.10E-03	3.10E-02	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0037	3.03E-03	2.90E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00226	1.70E-03	3.80E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	9.33E-04	3.30E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00822	1.37E-03	3.20E-02	—	pCi/L	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0185	2.90E-03	3.10E-02	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0074	2.13E-03	2.70E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00678	2.00E-03	2.60E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00198	1.47E-03	3.30E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.7	6.33E+00	7.10E+01	—	pCi/L	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	22.8	7.00E+00	7.80E+01	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	3.97	4.67E+00	4.70E+01	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.14	7.33E+00	7.70E+01	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.9	4.33E+00	5.00E+01	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.26	9.00E-02	4.30E-01	—	pCi/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	02/13/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.248	3.33E-02	2.40E-01	—	pCi/L	—	U	09-907	CASA-09-2992	GELC
SCI-2	548	11/18/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.622	8.33E-02	7.20E-01	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	548	10/21/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.421	5.00E-02	4.20E-01	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0965	7.33E-02	7.90E-01	—	pCi/L	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	02/13/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.00341	4.33E-02	4.90E-01	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	548	11/18/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.854	7.67E-02	5.40E-01	—	pCi/L	—	—	09-341	CASA-09-959	GELC
SCI-2	548	10/21/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.673	6.33E-02	4.40E-01	—	pCi/L	—	—	09-142	CASA-09-501	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.46	4.00E-01	5.10E+00	—	pCi/L	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.24	4.33E-01	3.60E+00	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.794	3.67E-01	3.80E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.83	5.33E-01	4.70E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.4	3.67E-01	3.30E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0583	4.67E-02	4.90E-01	—	pCi/L	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.181	5.00E-02	4.90E-01	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	4.54	1.60E-01	4.30E-01	—	pCi/L	—	R	10-3084	CASA-10-16763	GELC
SCI-2	548	05/06/10	WG	UF	RE	—	Rad	EPA:905.0	Strontium-90	<	0.303	5.00E-02	4.90E-01	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0364	3.67E-02	4.20E-01	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00923	4.33E-02	4.80E-01	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	491.00	2.90E+01	1.80E+02	—	pCi/L	—	—	12-331	CASA-12-1376	GELC
SCI-2	548	06/02/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.83	1.81E-01	1.85E+00	—	pCi/L	U	R	11-2626	CASA-11-10807	ARSL
SCI-2	548	06/02/11	WG	UF	RE	—	Rad	LLEE	Tritium	—	334.75	1.68E+01	4.31E+00	—	pCi/L	—	—	11-2626	CASA-11-10807	ARSL
SCI-2	548	11/16/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	680.05	2.59E+01	2.07E+02	—	pCi/L	—	R	11-556	CASA-11-1363	ARSL
SCI-2	548	11/16/10	WG	UF	RE	—	Rad	EPA:906.0	Tritium	—	680.05	2.59E+01	2.07E+02	—	pCi/L	—	—	11-556	CASA-11-1363	ARSL
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	505.14	2.63E+01	2.30E+02	—	pCi/L	—	R	10-3122	CASA-10-16763	ARSL
SCI-2	548	05/06/10	WG	UF	DUP	—	Rad	EPA:906.0	Tritium	<	505.14	2.63E+01	2.30E+02	—	pCi/L	—	R	10-3122	CASA-10-16763	ARSL
SCI-2	548	05/06/10	WG	UF	RE	—	Rad	EPA:906.0	Tritium	—	505.14	2.63E+01	2.30E+02	—	pCi/L	—	—	10-3122	CASA-10-16763	ARSL
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.97	3.33E-02	1.30E-01	—	pCi/L	—	J+	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.736	2.07E-02	4.20E-02	—	pCi/L	—	—	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.771	2.50E-02	5.00E-02	—	pCi/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.797	2.23E-02	5.10E-02	—	pCi/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.727	2.10E-02	7.10E-02	—	pCi/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0325	5.67E-03	7.00E-02	—	pCi/L	U	U	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0346	3.20E-03	2.50E-02	—	pCi/L	—	—	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00753	1.80E-03	4.60E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0135	2.13E-03	2.90E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0317	3.67E-03	3.60E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.532	2.27E-02	5.90E-02	—	pCi/L	—	J+	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.429	1.33E-02	2.90E-02	—	pCi/L	—	—	10-3718	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.393	1.50E-02	4.60E-02	—	pCi/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.474	1.47E-02	3.30E-02	—	pCi/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.442	1.43E-02	4.40E-02	—	pCi/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	548	11/14/11	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.31	—	—	2.50E-01	µg/L	J	J	12-331	CASA-12-1376	GELC
SCI-2	548	07/15/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.37	—	—	2.50E-01	µg/L	J	J	10-3716	CASA-10-22650	GELC
SCI-2	548	05/06/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.33	—	—	2.50E-01	µg/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	548	02/08/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.31	—	—	2.50E-01	µg/L	J	J	10-1694	CASA-10-9489	GELC
SCI-2	548	11/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.311	—	—	2.50E-01	µg/L	J	J	10-552	CASA-10-3716	GELC

Appendix D

Analytical Chemistry Screening Results

The following pages provide lists of (1) acronyms, abbreviations, symbols, and various analytical codes, (2) analytical laboratory qualifier codes, (3) secondary validation flag codes, and (4) secondary validation reason codes that may be used in Appendix D. Please note that these are comprehensive lists, and this periodic monitoring report may not include all of the acronyms, abbreviations, symbols, and codes in the lists.

The secondary data validation summary is provided in Appendix F.

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
%D	percent difference
%R	percent recovery
%RSD	percent 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 chromatograph/mass spectrometer
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
IS	internal standard
LAL	lower acceptance limit

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
LANL	Los Alamos National Laboratory
LC/MS/MS	liquid chromatography/mass spectrometry/mass spectrometry
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 Environment Department
NMWQCC	New Mexico Water Quality Control Commission
OPR	ongoing precision recovery
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzo-p-dioxin
PCDF	polychlorinated dibenzofuran
PQL	practical quantitation limit
Prelim	preliminary
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RF	response factor
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RRT	relative retention time
RT	retention time
Scr	screening
SDG	sample delivery group
SMO	Sample Management Office
SSC	suspended sediment concentration
SU	standard unit
TCDD	tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzofuran
TDS	total dissolved solids

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
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
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
PEK	performance evaluation known
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	
ANION	anions
DIOX/FUR, Diox/Fur	dioxins and furans
DRO	diesel range organics
GAMMA, GAMMA_SPEC	gamma spectroscopy
Geninorg, GENINORG	general inorganics

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Analytical Suite Codes (continued)	
GRO	gasoline range organics
GROSSA	gross alpha
GROSSB	gross beta
HERB	herbicides
HEXP	high explosives
INORGANIC	inorganics
ISOTOPE, Isotope	isotope ratios
METALS, Metals	metals
PCB	polychlorinated biphenyls
PCB_CONG, PCB Cong	PCB congeners
PEST	pesticides
PEST/PCB, PESTPCB	pesticides and PCBs
RAD, Rad	radiochemistry (not gamma)
SVOA	semivolatile organics
SVOC	semivolatile organic compounds
VOA	volatile organics
VOC	volatile organic compounds
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
RE	reanalysis
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate
Lab Codes	
ALTC	Alta Analytical Laboratory, Inc., San Diego, CA
ARSL	American Radiation Services–Primary
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.
GELC	General Engineering Laboratories, Inc., Charleston, SC
GEO	Geochron Laboratories, Boston, MA
HENV	Health and Environmental Laboratory (Johnson Controls, Northern New Mexico)

Acronyms and Abbreviations (continued)

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

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

Code	Description
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.

Secondary Validation Reason Codes

Code	Description
12a	Metals interference check sample percent recovery (%R) value is ≥50% and <80%.
CB0	The absolute retention time (RT) of chlorinated biphenyl congener (CB) 209 must be ≥55 min if the SPB-Octyl column is used. If a GC column or column system alternate to the SPB-Octyl column is used, the absolute RT of CB 209 must be ≥ the laboratory-established minimum RT for CB 209. If the laboratory has not established a minimum RT value for CB 209, the RT for CB 209 must be ≥55 min. If an SPB-Octyl column was used and the absolute RT of CB 209 is <55 min, qualify all associated results as R. If a GC column or column systems alternate to the SPB-Octyl column was used and the absolute RT is < the laboratory established minimum RT for CB 209, or <55 min if the laboratory has not established a minimum RT, qualify all associated results as R. The absolute RTs of the Labeled Toxics/LOC/window defining standard congeners in the verification test must be within ±15 s of the respective RTs in the calibration or, if an alternate column or column system is employed, within ±15 s of the respective RTs in the calibration for the alternate column or column system. The relative retention times (RRTs) of native CBs and labeled compounds in the verification test must be within their respective RRT limits or, if an alternate column or column system is employed, within their respective RRT limits for the alternate column or column system. If the RT or RRT of any compound is not within the limits specified, the GC is not performing properly. In this event, adjust the GC and repeat the verification test or recalibrate, or replace the GC column and either verify calibration or recalibrate. The RRT of each CB must be within ±0.5% of the mean RRT determined from the initial calibration or ±0.5% of the RRT from the most recent calibration verification standard. If the RRT of any CB is outside of the RRT window, qualify all associated results as R. If the RT criteria are not met, qualify all associated results as R.
CB0b	Required RT documentation is missing. Data may not be acceptable for use. Contact the Sample Management Office (SMO) or external laboratory for information.
CB3	To assess method performance on the sample matrix, the laboratory must spike all samples with the Labeled Toxics/LOC/Window defining standard spiking solution and all sample extracts with the labeled cleanup standard spiking solution. The recovery of each labeled compound must be within the limits listed in Table 6 of the U.S. Environmental Protection Agency (EPA) Method 1668A. If the recovery of any Labeled Toxics/LOC/Window defining standard compound is <10%, qualify all not detected results as R and all detected results as J-.
CB3a	The labeled compound is < the lower acceptance limit (LAL) but ≥10% R. The recovery of each labeled compound must be within the limits in Table 6 of EPA Method 1668A. If the recovery of any Labeled Toxics/LOC/Window defining standard compound is below acceptance limits, qualify all detects for that sample fraction as J and all nondetects for that sample fraction as UJ if the recovery is ≥10%.
CB3b	The labeled compound is > the upper acceptance limit (UAL). The recovery of each labeled compound must be within the limits listed in Table 6 of EPA Method 1668A. If the recovery of any Labeled Toxics/LOC/Window defining standard compound is above acceptance limits, qualify all detects for that sample fraction as J and all nondetects for that sample fraction as UJ.
CB3d	Required labeled compound information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
CB4	The sample result is ≤5 times the concentration of the related analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
CB4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was >5 times.

Secondary Validation Reason Codes (continued)

Code	Description
CB4d	The sample result is ≤5 times the concentration of the related analyte in the trip blank, rinsate blank, and equipment blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
CB4e	Required method blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
CB7	The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit.
CB7a	Isotope dilution shall be used for calibration of the toxics and beginning and ending level of chlorination (LOC) CBs. A 5- or 6-point calibration is prepared for each native congener. The relative response factor (RRF) percent standard deviation (%RSD) for all native toxins/LOC CBs must be <20%. If a linear curve is used for initial calibration, the r^2 of the curve must be >0.99. 1. If the %RSD for any target compound is >20% but ≤40%, qualify all associated detects as J and, if any other calibration criteria have been exceeded for that compound, qualify all associated nondetects as UJ. 2. If the %RSD for any target compound is >40% but ≤60%, qualify all associated detects as J and all associated nondetects as UJ. 3. If the %RSD for any target compound is >60%, qualify all associated detects as J and all associated nondetects as R. 4. If the r^2 for any target compound is <0.99 but ≥0.90, qualify all associated detects as J and, if any other calibration criteria have been exceeded for that compound, qualify all associated nondetects as UJ. 5. If the r^2 for any target compound is <0.90 but ≥0.80, qualify all associated detects as J and all associated nondetects as UJ. 6. If the r^2 for any target compound is <0.80, qualify all associated detects as J and all associated nondetects as R.
CB7b	The affected analytes did not meet the ion abundance ratios criteria in the initial calibration and/or continuing calibration verification (CCV). Calibration using internal standards is used for determination of native CBs for which a labeled compound is not available. For these CBs, calibration is performed at a single point. Compounds should be quantitated using the appropriate reference internal standard listed in Table 2 of EPA Method 1668A. Ion abundance ratios must meet the criteria in Attachment 4, Theoretical Ion Abundance Ratios and QC Limits for EPA Method 1668A, of this procedure or must be within 15% of the theoretical ratio of the ion monitored. If the ion abundance criteria are not met, qualify all detected results for that analyte as R.
CB7c	The ICV and/or CCV were recovered outside the method limits (see CB7a for initial calibration [ICAL] specifications). At the beginning of each 12-h period during which analysis is performed, calibration is verified for all native CBs and labeled compounds. The ion abundance ratios for all CBs must be within the limits in Attachment 4, and all compounds must meet the calibration verification recovery limits listed in Attachment 5, QA Acceptance Criteria for CBs in Calibration Verification, Initial Precision and Recovery, OPR, and Samples for EPA Method 1668A. RRTs of native CBs and labeled compounds in the calibration verification must be within ±0.5% of the mean RRT determined from the initial calibration or most recent calibration verification standard. The diluted combined 209 congener solution must be analyzed as a final step in the calibration verification and must meet the minimum analysis and resolution specifications of the method. If the ion abundance ratio for any calibration verification compound is outside of the method limits, qualify all associated detects as J and all associated nondetects as UJ. If the verification limits are not met for any calibration verification compound and the recovery is above the verification limits, qualify all associated detects as J+. If the verification limits are not met for any calibration verification compound and the recovery is below the verification limits, qualify all associated detects as J- and all associated nondetects as UJ if the recovery is ≥10% and as R if the recovery is <10%. If the RRT of any compound is outside of the RRT window, qualify all associated results as R.

Secondary Validation Reason Codes (continued)

Code	Description
CB7d	The ICV and/or CCV were not analyzed at the appropriate method frequency. At the beginning of each 12-h period during which analysis is performed, calibration is verified for all native CBs and labeled compounds. Use professional judgment based on when ICVs and CCVs were analyzed (also, see CB7f).
CB7f	Required calibration information is missing or samples were analyzed on an expired calibration. Contact the SMO or external laboratory for information.
CB8	The affected analyte is considered rejected because ion abundance ratios did not meet specifications. For identification of any CB or labeled compound, the ion abundance ratios must be within the limits specified in Attachment 4, or ±15% of the calibration verification standard. If ion abundance ratio criteria were not met for any compound, qualify all associated results as R.
CB8a	The ion ratio documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
CB9	The extraction/analytical holding time was exceeded by less than 2 times the published method for holding times. There are no demonstrated maximum holding times associated with the CBs in EPA Method 1668, aqueous, solid, semisolid, tissues, or other sample matrices. If stored in the dark at 0–4ºC and preserved as given above (if required), aqueous samples may be stored for up to 1 yr. Similarly, if stored in the dark at <−10ºC, solid semisolid, multiphase, and tissue samples may be stored for up to 1 yr. Store sample extracts in the dark at <−10ºC until analyzed. If stored in the dark at <−10ºC, sample extracts may be stored for up to 1 yr.
CB9a	The extraction/analytical holding time was exceeded by more than 2 times the published method for holding times. There are no demonstrated maximum holding times associated with the CBs in EPA Method 1668, aqueous, solid, semisolid, tissues, or other sample matrices. If stored in the dark at 0–4ºC and preserved as given above (if required), aqueous samples may be stored for up to 1 yr. Similarly, if stored in the dark at <−10ºC, solid, semisolid, multiphase, and tissue samples may be stored for up to 1 yr. Store sample extracts in the dark at<−10ºC until analyzed. If stored in the dark at <−10ºC, sample extracts may be stored for up to 1 yr.
CB12	The ongoing precision recovery (OPR) %R was less than 10%. OPR is a method blank spiked with known quantities of analytes. The OPR is analyzed exactly like a sample. Its purpose is to assure that the results produced by the laboratory remain within the limits specified in this EPA method for precision and recovery. OPR must be established for every batch of samples extracted and analyzed and must meet the recovery and %RSD limits listed in Attachment 5. If the OPR criteria are not met and reanalysis was not performed, the laboratory performance and method accuracy are in question: 1. If the OPR recovery is <10%, qualify all detects as J- and all associated nondetects as R. 2. If recoveries of more than half of the compounds in the OPR analysis are below 10%, qualify all associated defects as J- and all associated nondetects as R. NOTE: If recoveries for more than half of the compounds in the OPR analysis are below the acceptance range, the laboratory has not shown that it can actually meet program-required detection limits.
CB12a	The OPR sample %R was < the LAL but >10%. If the OPR recovery is < the LAL, qualify all associated detects as J- and all associated nondetects as “UJ” if the recovery is ≥10%.
CB12b	The OPR sample %R was > the UAL. If the OPR recovery is > the UAL, qualify all associated detects as J+. If recoveries of more than half of the compounds in the OPR analysis are above the acceptance range, qualify all associated detects as J+.
CB12c	The OPR sample documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.

Secondary Validation Reason Codes (continued)

Code	Description
CB12d	If recoveries of more than half of the compounds in the OPR analysis exceed the acceptance range, both above and below, qualify all associated detects as J and all associated nondetects as UJ.
CB15	The affected analytes are considered suspect because the sample was diluted without any target analytes identified because of matrix interference. (Qualify as R if the analytical laboratory cannot provide proof for matrix interference.)
CB16	Gas chromatograph/mass spectrometer (GC/MS) instrument performance checks are performed to ensure mass resolution, identification, and to some degree, sensitivity. These criteria are not sample-specific. Conformance is determined using standard materials; therefore, these criteria should be met in all circumstances. Failure to meet either the resolution or the retention window criteria invalidates all calibration or sample data collected during the 12-h time window. If mass spectrometer performance was not evaluated at the required frequency or if method criteria were not met, qualify all associated detects and nondetects as R.
CB16c	The required instrument performance sample information is missing. Contact the SMO or external laboratory for information.
CB19	The project chemist identified quality deficiencies in the reported data that require further qualification. This code can only be used under advisement by the project chemist.
CB88	Duplicate, dilution, or reanalysis.
DF0	The internal standard (IS) RT and qualitative criteria for target compound identification were not met. For 2,3,7,8-substituted compounds that have an isotopically labeled IS or recovery standard present in the sample extract, the RT must be −1 to +3 seconds of the isotopically labeled standard. For 2,3,7,8-substituted compounds that do not have an isotopically labeled IS or recovery standard present in the sample extract, the RT must fall within 0.005 RRT units of the RRT measured in the continuing calibration. For non-2,3,7,8-substituted compounds, the RT must be within the corresponding homologous RT windows established by analyzing the column performance check solution. If the RT of any compound is outside of the RT window, qualify all associated results as R.
DF0b	RRT documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
DF1d	Required IS information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
DF4	The sample result is ≤5 times the concentration of the related analyte in the method blank. The criteria for the frequency of extraction and analysis of method blanks as stated in Section 9.5 of Method 1613B shall be followed and demonstrated in the documented data. The maximum amount of polychlorinated dibenzo-p-dioxin (PCDD) and polychlorinated dibenzofuran (PCDF) isomer contamination in method blanks is stated in Table 2 of Method 1613B. The method blank must be measured on each GC/MS system that is used to measure a group of samples. This requirement includes measuring method blanks on a second GC column if confirmatory analysis of sample extracts on a second column is required by the method or by the laboratory statement of work. Any PCDD or PCDF measurement in a sample that is also measured in any associated blank is qualified with a U flag if the sample concentration is <5 times the blank concentration.

Secondary Validation Reason Codes (continued)

Code	Description
DF4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was >5 times. The criteria for the frequency of extraction and analysis of method blanks as stated in Section 9.5 of Method 1613B shall be followed and demonstrated in the documented data. The maximum amount of PCDD and PCDF isomer contamination in method blanks is stated in Table 2 of Method 1613B. The method blank must be measured on each GC/MS system that is used to measure a group of samples. This requirement includes measuring method blanks on a second GC column if confirmatory analysis of sample extracts on a second column is required by the method or by the laboratory statement of work. If the maximum contamination requirements of specific tetrachlorodibenzo-p-dioxin (TCDD) and tetrachlorodibenzofuran (TCDF) isomers stated in Table 2 of Method 1613B are not met, then all isomers in all samples associated with a method blank shall be qualified with a J flag.
DF4d	The sample result is ≤5 times the concentration of the related analyte in the trip blank, rinsate blank, or equipment blank. Any PCDD or PCDF measurement in a sample that is also measured in any associated blank is qualified with a U flag if the sample concentration is less than 5 times the blank concentration.
DF4e	Required method blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information. If the frequency of measuring method blanks is not met by the laboratory in the data submitted, then the results of all samples that do not meet the frequency of extraction and measurement of method blanks shall be qualified with an R flag.
DF7	The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit. There shall be an initial calibration curve consisting of five points for each analyte. The initial calibration curve shall be determined < 30 d from the time the first samples of a sample delivery group (SDG) are measured by the laboratory. The laboratory shall use the same calibration standards with the same lot number for all internal standards and for all labeled standards used in measuring the initial calibration curve, verification standards, field samples, and method blanks on both the primary GC column and the secondary confirmation GC column.
DF7a	The affected analytes were analyzed with an initial calibration curve that exceeded the %RSD criteria. A 5-point calibration is prepared for each labeled and unlabeled compound. The RRF %RSD for the unlabeled standards must be ≤30%. Ion abundance ratios must meet the criteria listed in Attachment 4. If the %RSD is >20% for any unlabeled calibration standard, or >30% for any labeled calibration standard, but ≤40%, qualify all associated detects as J and, if any other calibration criteria have been exceeded for that compound, qualify all associated nondetects as UJ. If the %RSD is >40% but ≤60% for either a labeled or unlabeled calibration standard, qualify all associated detects as J and all associated nondetects as UJ. If the %RSD is >60% for either a labeled or unlabeled calibration standard, qualify all associated detects as J and all associated nondetects as R. If the ion abundance criteria were not met for any calibration compound, qualify all associated detects as J and all associated nondetects as UJ. If the affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit, qualify the results as not detected. Ion abundance must meet the criteria in Attachment 4.
DF7b	The affected analytes were analyzed with an out-of-range ion abundance in the initial calibration and/or CCV. Ion abundance must meet the criteria in Attachment 4. If the ion abundance criteria are not met, qualify results for that analyte as R.

Secondary Validation Reason Codes (continued)

Code	Description
DF7c	The ICV and/or CCV were recovered outside the method-specific limits. See DF7a for ICAL specifications. The ion abundance must be within the limits in Attachment 4. For the calibration verification analyzed at the beginning of a 12-h period, the effect on data quality of a standard that does not meet criteria must be assessed using professional judgment. Guidance is provided in Section 7.7.4.4 of EPA Method 8290. For the calibration verification analyzed at the end of a 12-h period, a percent difference (%D) of 25% for unlabeled compounds and 35% for labeled compounds is acceptable; however, in this instance, the mean response factors (RFs) obtained from the beginning and ending daily calibration runs are used to calculate analyte concentrations instead of the RFs obtained from the initial calibration. If the %D of the ending calibration is >25% for any unlabeled compound and/or >35% for any labeled compound, then successful performance of another initial calibration must be analyzed within 2 h of sample analysis for the data to be acceptable. In this case, the mean RFs from the beginning and ending daily calibration runs are still used to calculate analyte concentrations. 1. If the ion abundance ratio for any compound is outside of the method limits, qualify all associated detects as J and all associated nondetects as UJ. 2. If the %D criteria were not met for any CCV compound at the beginning of a 12-h period and the %D is positive, qualify all associated detects as J+. 3. If the %D criteria were not met for any CCV compound at the beginning of a 12-h period and the %D is negative, qualify all associated detects as J- and, if any other calibration criteria have been exceeded for that compound, qualify all associated nondetects as UJ. 4. If the %D criteria were not met for any compound at the end of a 12-h period, a new initial calibration was analyzed within 2 h of sample analysis, and the %D is positive, qualify all associated detects as J+. 5. If the %D criteria were not met for any compound at the end of a 12-h period, a new initial calibration was analyzed within 2 h of sample analysis, and the %D is negative, qualify all associated detects as J- and, if any other calibration criteria have been exceeded for that compound, qualify all associated nondetects as UJ. 6. If the %D criteria were not met for any compound at the end of a 12-h period and a new initial calibration was not analyzed within 2 h of sample analysis, qualify all sample data analyzed during that 12-h period as R.
DF7d	The ICV and/or CCV were not analyzed at the appropriate method frequency. Note that EPA Contract Laboratory Program protocol DFLM01.1 requires that the GC/MS system be calibrated based upon a daily calibration check standard, whereas EPA Methods 1613B and 8290 require that the GC/MS system criteria of a daily calibration verification standard be met with each 12-h batch of samples measured and that response factors for native target compounds are derived from the 5-point initial calibration.
DF7f	Required calibration information is missing or samples were analyzed on an expired calibration. Contact the SMO or external laboratory for information.
DF8	The affected analyte is considered rejected because the ion abundances did not meet specifications. For identification of any compound, the ion abundance ratios must be within the limits specified in Attachment 4. If ion abundance ratio criteria were not met for any compound, qualify all associated results as R. If the RT of any compound is outside of the RT window, qualify all associated results as R.
DF8a	The ion abundance documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
DF8b	The GC column performance solution is used for defining the homologous GC RT windows and to document the chromatographic resolution. Column performance must be evaluated at the beginning of each analytical period and must meet method acceptance criteria (see Section 8.2 of EPA Method 8290) before sample analysis may begin. If GC column performance was not evaluated at the required frequency or if method criteria were not met, qualify all associated detects as J and all associated nondetects as UJ.

Secondary Validation Reason Codes (continued)

Code	Description
DF8c	The DB-5 GC column generally used for PCDD and PCDF analyses does not adequately separate 2,3,7,8-TCDF from its closest eluting isomer. If 2,3,7,8-TCDF is detected in a sample, the result must be confirmed on a second column capable of separating 2,3,7,8-TCDF from all other TCDF homologues (as proven by successful analysis of the GC column performance column mix with <25% valley between 2,3,7,8-TCDF and its closest eluting isomer). If 2,3,7,8-TCDF was detected in a sample and the result was not confirmed on a second column with successful analysis of the GC column performance mix, qualify all associated detects as U.
DF9	The extraction/analytical holding time was exceeded by <2 times the published method for holding times. Regulations require that water samples be preserved by neutralizing any chlorine residual with 0.008% sodium thiosulfate and cooling to 4ºC using a holding time of 7 d from day of collection to day of extraction of the sample. In addition, the maximum holding time of extracts is 40 d from day of extraction to day of injection of the extract. The holding time and preservation requirements of 2,3,7,8-TCDD and of other measured PCDD and PCDF isomers in nonwater matrixes have not been promulgated by EPA. Therefore, the data validator should use the holding time specified in EPA Method 8290, which specifies that all samples, except fish and adipose tissue samples, must be stored at 4ºC in the dark, extracted within 30 d, and completely analyzed within 45 d of extraction. Fish and adipose samples must be stored at −20ºC in the dark, extracted within 30 d, and completely analyzed within 45 d of collection (see Section 6.4 of EPA Method 8290). EPA Method 1613B does not set holding times for PCDD or PCDF isomers. The EPA method does state that water samples that contain a chlorine residual should be treated with 80 mg of sodium thiosulfate per liter of water, samples should be maintained at 4ºC in the dark, and extracts should be analyzed within 40 d of extraction.
DF9a	The extraction/analytical holding time was exceeded by >2 times the published method for holding times.
DF12	The laboratory control sample (LCS) %R was <10%.
DF12a	The LCS %R was < the LAL but >10%. Follow the external laboratory limits.
DF12b	The LCS %R was > the UAL. Follow the external laboratory limits.
DF12c	The LCS documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
DF12d	The MS/matrix spike duplicate (MS/MSD) %R was <10%.
DF12e	The MS/MSD %R was >10% but <70%.
DF12f	The MS/MSD %R was >130%.
DF12g	The MS/MSD RPD was >30%.
DF12h	The laboratory must spike all samples with the sample fortification solution and all sample extracts with recovery standard solution. The recovery acceptance criteria for each compound are 40% to 135%. The fortification sample %R was <10%.
DF12i	The laboratory must spike all samples with the sample fortification solution and all sample extracts with recovery standard solution. The recovery acceptance criteria for each compound are 40% to 135%. The fortification sample %R was <40% but >10%
DF12j	The laboratory must spike all samples with the sample fortification solution and all sample extracts with recovery standard solution. The recovery acceptance criteria for each compound are 40% to 135%. The fortification sample %R was >135%.
DF12k	The fortification sample documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.

Secondary Validation Reason Codes (continued)

Code	Description
DF15	The affected analytes have elevated detection limits and may not meet project data quality objectives (DQOs) because the sample was diluted without any target analytes identified because of matrix interference. (Qualify nondetected results as rejected if the analytical laboratory cannot provide proof for matrix interference.)
DF15a	Sample cleanup was not performed. If run log notations, spectral data, and/or IS or labeled compound recoveries indicate interferences and extract cleanup was not performed, qualify all associated detects as J and all nondetects as UJ.
DF16	The instrument performance sample did not pass method acceptance criteria.
DF16c	The required instrument performance sample information is missing. Contact the SMO or external laboratory for information.
DF19	The project chemist identified quality deficiencies in the reported data that require further qualification. This code can only be used under advisement by the project chemist.
DF88	Duplicate, dilution, or reanalysis.
DR0	The retention time criteria were not met.
DR0b	Required retention time documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
DR3	The surrogate is < 10 %R, which indicates the potential for a severely low bias in the results. Follow the external laboratory limits.
DR3a	The surrogate is < the LAL but ≥10%R, which indicates the potential for a low bias in the results. Follow the external laboratory limits.
DR3b	The surrogate %R value is > the UAL, which indicates a potential for a high bias in the results and a potential for false positive results. Follow the external laboratory limits.
DR3d	Required surrogate information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
DR4	The sample result is ≤ 5 times the concentration of the related analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
DR4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was > 5 times.
DR4d	The sample result is ≤ 5 times the concentration of the related analyte in the trip blank, rinsate blank, or equipment blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
DR4e	Required method blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
DR7	The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit.
DR7a	The affected analytes were analyzed with an initial calibration curve that exceeded the %RSD criteria, and/or the associated multipoint calibration correlation coefficient is less than 0.995.
DR7c	The ICV and/or CCV were recovered outside the method-specific limits.
DR7d	The ICV and/or CCV were not analyzed at the appropriate method frequency.
DR7f	Required calibration information is missing or samples were analyzed on an expired calibration. Contact the SMO or external laboratory for information.

Secondary Validation Reason Codes (continued)

Code	Description
DR9	The extraction/analytical holding time was > 1 times and ≤ 2 times the applicable holding time requirement.
DR9a	The extraction/analytical holding times were exceeded by more than 2 times the published method for holding times.
DR12	The LCS %R was less than 10%. Follow the external laboratory limits.
DR12a	The LCS %R was less than the LAL but greater than or equal to 10%. Follow the external laboratory limits.
DR12b	The LCS %R was greater than the UAL. Follow the external laboratory limits.
DR12c	The LCS documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
DR12d	The MS/MSD %R was <10%.
DR12e	The MS/MSD %R was ≥10% but <70%.
DR12f	The MS/MSD %R was >130%.
DR12g	The MS/MSD RPD was >30%.
DR15	The affected analytes have elevated detection limits and may not meet project DQOs because the sample was diluted without any target analytes identified because of matrix interference. (Qualify as R if the analytical laboratory cannot provide proof for matrix interference.)
DR19	The project chemist identified quality deficiencies in the reported data that require further qualification. This code can only be used under advisement by the project chemist.
DR88	Duplicate, dilution, or reanalysis.
GR0	The retention time criteria were not met.
GR0b	Required retention time documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
GR3	The surrogate is <10%R, which indicates the potential for a severely low bias in the results. Follow the external laboratory limits.
GR3a	The surrogate is < the LAL but ≥10%R, which indicates the potential for a low bias in the results. Follow the external laboratory limits.
GR3b	The surrogate %R value is > the UAL, which indicates a potential for a high bias in the results and a potential for false positive results. Follow the external laboratory limits.
GR3d	Required surrogate information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
GR4	The sample result is ≤ 5 times the concentration of the related analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
GR4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was >5 times.
GR4d	The sample result is ≤ 5 times the concentration of the related analyte in the trip blank, rinsate blank, or equipment blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
GR4e	Required method blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
GR7	The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit.

Secondary Validation Reason Codes (continued)

Code	Description
GR7a	The affected analytes were analyzed with an initial calibration curve that exceeded the %RSD criteria, and/or the associated multipoint calibration correlation coefficient is less than 0.995.
GR7c	The ICV and/or CCV were recovered outside the method-specific limits.
GR7d	The ICV and/or CCV were not analyzed at the appropriate method frequency.
GR7f	Required calibration information is missing or samples were analyzed on an expired calibration. Contact the SMO or external laboratory for information.
GR9	The extraction/analytical holding time was > 1 times and ≤ 2 times the applicable holding time requirement.
GR9a	The extraction/analytical holding times were exceeded by more than 2 times the published method for holding times.
GR12	The LCS %R was less than 10%. Follow the external laboratory limits.
GR12a	The LCS %R was less than the LAL but greater than or equal to 10%. Follow the external laboratory limits.
GR12b	The LCS %R was greater than the UAL. Follow the external laboratory limits.
GR12c	The LCS documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
GR12d	The MS/MSD %R was <10%.
GR12e	The MS/MSD %R was ≥10% but <70%.
GR12f	The MS/MSD %R was >130%.
GR12g	The MS/MSD RPD was >30%.
GR15	The affected analytes have elevated detection limits and may not meet project DQOs because the sample was diluted without any target analytes identified because of matrix interference. (Qualify as R if the analytical laboratory cannot provide proof for matrix interference.)
GR19	The project chemist identified quality deficiencies in the reported data that require further qualification. This code can only be used under advisement by the project chemist.
GR88	Duplicate, dilution, or reanalysis.
H0	The analyte RT shifted by more than 0.05 min from the midlevel standard of the initial calibration. Reject nondetects for HPLC.
H0a	Analyte is positively confirmed but outside the RT window; however, spectral matches must be provided (HEXP–diode array detector).
H0b	Required RT documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
H12	The LCS %R was <10%. Follow external laboratory limits located within the associated data package.
H12a	The LCS %R was < the LAL but >10%. Follow external laboratory limits located within the associated data package.
H12b	The LCS %R was > the UAL. Follow the external laboratory limits located within the associated data package.
H12c	The LCS documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.

Secondary Validation Reason Codes (continued)

Code	Description
H15	The affected analytes have elevated detection limits and may not meet project DQOs because the sample was diluted without any target analytes identified because of matrix interference. Qualify as R if the analytical laboratory cannot provide proof for cleanup or matrix interference.
H19	The Los Alamos National Laboratory (LANL) project chemist identified quality deficiencies in the reported data that require further qualification. This code can ONLY be used by the project chemist or under advisement of the project chemist.
H3	The surrogate is <10%R, which indicates the potential for a severely low bias in the results. Follow external laboratory limits located within the associated data package.
H3a	The surrogate is < the LAL but ≥10%R, which indicates the potential for a low bias in the results. Follow the external laboratory limits located within the associated data package.
H3b	The surrogate %R value is > the UAL, which indicates a potential for a high bias in the results and a potential for false positive results. Follow the external laboratory limits located within the associated data package.
H3c	At least one surrogate is > the UAL and one surrogate is < the LAL, which indicates a greater than normal degree of uncertainty in the result. Follow external laboratory limits located within the associated data package.
H3d	Required surrogate information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
H4	The sample result is ≤5 times the concentration of the related analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
H4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was >5 times.
H4d	The sample result is ≤5 times the concentration of the related analyte in the trip blank, rinsate blank, or equipment blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
H4e	Required method blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
H7	The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit.
H7a	The affected analytes were analyzed with an initial calibration curve that exceeded the %RSD criteria, and/or the associated multipoint calibration correlation coefficient is <0.995.
H7c	The ICV and/or CCV were recovered outside the method-specific limits.
H7d	The ICV and/or CCV were not analyzed at the appropriate method frequency.
H7f	Required calibration information is missing or samples were analyzed on an expired calibration. Contact the SMO or external laboratory for information.
H8	The analyte was not confirmed on a second dissimilar column, or diode array spectrums do not match library.
H8a	The required second dissimilar column or diode array documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
H9	The extraction/analytical holding time was exceeded by < 2 times the published method for holding times.
H9a	The extraction/analytical holding time was exceeded by >2 times the published method for holding times.

Secondary Validation Reason Codes (continued)

Code	Description
H9b	The affected analytes are regarded as rejected because the analytical holding time was exceeded.
H88	Duplicate, dilution, or reanalysis.
HE0	The IS retention time has shifted by >30 s.
HE0b	Required retention time documentation is missing. Data may not be acceptable for use. Contact the SMO and external laboratory for information.
HE1a	The quantitating IS area count is <25% of the expected value, which indicates increased potential for false negative results and other possible problems with sample quantitation. Follow the method-specific windows. Qualify data as R if the IS area count is <25%.
HE1b	If the IS was used for quantification and its area count is <70% but >25% of the average of that obtained from the calibration standards, qualify all associated detects as J+ and all associated nondetects as UJ.
HE1c	The IS area counts must not vary by >70% to 130% from the average of those obtained from the calibration standards or from the midlevel calibration standard. If the internal standard was used for quantification and its area count is >130% of the average of that obtained from the calibration standards, qualify all associated detects as J- and all associated nondetects as UJ.
HE1d	Required IS information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
HE3	The surrogate is <10% recovery, which indicates the potential for a severely low bias in the results. Follow the external laboratory limits. Qualify nondetected results as R and detected results as J-. Also, if an initial dilution was performed on any sample and surrogate recovery is <10% recovery and all results are nondetect, qualify all sample results as R.
HE3a	The surrogate is < the LAL but ≥10% recovery, which indicates the potential for a low bias in the results. Follow the external laboratory limits. Qualify nondetected results as UJ and detected results as J-. Also, if an initial dilution was performed on any sample and at least one surrogate recovery is < the LAL but ≥10%, or all surrogate recoveries are <10% and the results for one or more compounds are > the PQL, qualify nondetected results as UJ and detected results as J-.
HE3b	The surrogate %R value is > the UAL, which indicates the potential for a high bias in the results and a potential for false positive results. Follow the external laboratory limits.
HE3c	At least one surrogate is > the UAL and one surrogate is < the LAL, which indicates a greater than normal degree of uncertainty in the result. Follow the external laboratory limits.
HE3d	Required surrogate information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information. Sample and blank surrogate recoveries must be within limits specified by the laboratory. Surrogate compound recoveries shall be calculated using the procedure described in SW-846 EPA Method 8000B. Reported recoveries shall be accompanied by the applicable acceptance limits. Results from spiked or replicate QC samples that have surrogate recoveries <10% cannot be used to evaluate associated sample results.
HE4	The sample result is ≤ 5 times the concentration of the related analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
HE4a	The affected analytes are considered estimates and biased high because this analyte was identified in the method blank but was > 5 times.
HE4d	The sample result is ≤ 5 times the concentration of the related analyte in the trip blank, rinsate blank, and equipment blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.

Secondary Validation Reason Codes (continued)

Code	Description
HE4e	Required method blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
HE4f	The absence of sample carryover must be determined and verified. If examination of the run logs indicates that any samples in the analytical run of interest required dilution and there is no documentation of a rinse or blank analysis immediately following the original undiluted analysis, then sample carryover may be suspected in the subsequent sample. If any target analyte found in the sample requiring dilution exceeded the high calibration standard and was also found in the following sample at a concentration < 5 times the PQL, qualify the result for that analyte in the second sample as R. If no data are available for the sample that required dilution, the laboratory has not documented that carryover was evaluated, and any analyte was also found in the following sample as a concentration <5 times the PQL, qualify the result for that analyte in the second sample as N.
HE7	The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit. The liquid chromatography/mass spectrometry/mass spectrometry (LC/MS/MS) instrument calibration shall be performed using a minimum of five (5) calibration standards. The lowest point of the curve must be at or below the reporting limit. If calibration curves are used, five (5) standards are required for a linear (first-order) calibration model, six (6) standards are required for a quadratic (second-order) model, and seven (7) standards are required for a third-order polynomial. Higher-order curves should not normally be used. If the laboratory uses a higher-order equation to establish a calibration curve, it should be evaluated for the appropriate application. If an insufficient number of calibration standards was used, the PQLs were incorrect, or all points were not analyzed within a 24-h period, qualify all associated detects as J and all associated nondetects as UJ.
HE7a	The affected analytes were analyzed with an initial calibration curve that exceeded the %RSD criteria, and/or the associated multipoint calibration coefficient is <0.99.
HE7b	The affected analytes were analyzed with an RRF of <0.05 in the initial calibration and/or CCV. If the average RF for any target analyte is < the specified minimum RF, or <0.05 if no minimum is specified, qualify all associated detects as J. Qualify all associated nondetects as UJ if the RF is ≥0.01 or as R if the RF is <0.01.
HE7c	The ICV and/or CCV were recovered outside the method limits. The %D between the ICV and CCV standard concentrations and their true values shall be calculated according to the formula in Attachment 4 and must be ≤20%. The evaluation of CCV data applies to all CCVs that bracket samples of interest. If the %D was reported with the wrong sign (e.g., +%D for negative bias), document the occurrence in the data validation report and assess any infractions using the correct sign. 1. If the %D between a measured ICV and/or CCV concentration and its true value for any analyte is >20%, qualify all associated detects as J+. 2. If the %D between a measured ICV and/or CCV concentration and its true value for any analyte is >20% but ≤40% and negative (low bias), qualify all associated detects as J- and, if any other calibration criteria have been exceeded for that compound, qualify all associated nondetects as UJ. 3. If the %D between a measured ICV and/or CCV concentration and its true value for any analyte is >40% but ≤60% and negative, qualify all associated detects as J and all associated nondetects as UJ. 4. If the %D between a measured ICV and/or CCV concentration and its true value for any analyte is >60% and is negative, qualify all associated detects as J- and all associated nondetects as R.

Secondary Validation Reason Codes (continued)

Code	Description
HE7d	The ICV and/or CCV were not analyzed at the appropriate method frequency. An ICV standard is analyzed immediately following an initial calibration. For high-explosive analysis, the ICV standard analysis results are not required to be reported in the data package unless the samples in the SDG were analyzed after the initial calibration but before a CCV standard analysis was performed. In this case, the ICV %D is assessed according to the calibration verification criteria described below for the associated samples. If a CCV is analyzed before samples and ICV data are also reported in the package, both the ICV %D and the appropriate CCV %D are to be assessed as described below. If both ICV %D and CCV %D infractions occur, the worst infraction should be evaluated for result qualification. A CCV must be analyzed in the following instances: • at the beginning of each analytical run; • at least once every 10 samples; and • at the end of each analytical run. If multiple CCVs were analyzed to obtain a passing CCV, the calibration is not verified and the calibration frequency is not met. If the ICV and CCV standards were not analyzed at the proper frequency, or if either a required ICV or CCV was not analyzed, or if all target compounds were not present in any ICV or CCV standard, qualify all associated detects as J and all associated nondetects as UJ. If all required ICVs and CCVs were not analyzed, qualify all associated detects as J and all associated nondetects as R.
HE7f	Required calibration information is missing or samples were analyzed on an expired calibration. Contact the SMO or external laboratory for information.
HE8a	The mass spectral documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
HE9	The extraction/analytical holding time was exceeded by < 2 times the published method for holding times.
HE9a	The extraction/analytical holding time was exceeded by > 2 times the published method for holding times.
HE12	An LCS should be analyzed at a frequency of once per data package, once per matrix, or once per 20 analytical samples, whichever is most frequent. The LCS must meet all sample acceptance criteria and all method-specific LCS requirements. The LCS for high explosives must meet laboratory-derived acceptance criteria. If surrogate and IS recovery acceptance criteria are not met for the LCS analysis, the LCS must be reanalyzed. If the recovery acceptance criteria are not reported in the analytical data package, recovery limits of 70% to 130% should be used as the criteria. If, based on professional judgment, the laboratory's internal acceptance criteria are excessively wide or acceptable recoveries are significantly biased, notify the program manager. The LCS %R was <10%. Qualify detected results as J- and not detected results as R.
HE12a	The LCS %R was < the LAL but >10%. Follow the external laboratory limits. Qualify detected results as J- and not detected results as UJ.
HE12b	The LCS %R was > the UAL. Follow the external laboratory limits. Qualify detected results as J+.
HE12c	The LCS documentation is missing. Data may not be acceptable for use. Contact the SMO or the external laboratory for information.

Secondary Validation Reason Codes (continued)

Code	Description
HE12d	The MS/MSD %R was <10%. The MS/MSD data shall not be used to evaluate associated field sample results unless the MS/MSD sample was from the same client and of similar matrix. If the acceptance criteria are not reported, recovery limits are 70% to 130%. The MS and MSD %R must be within the limits unless the sample concentration is > 4 times the spike concentration. The MS and MSD results may be used in conjunction with other QC results to determine the need for qualification of the data. An effort to determine to what extent the results of the MS/MSD affect the associated data should first be made. This determination should be made considering the MS/MSD sample matrix, the surrogate and internal standard recoveries, and the LCS results. Professional judgment should be used to determine if MS/MSD failure warrants qualification of only the results for the failed compounds or if the compounds associated with the failed MS compound are affected. Generally, unless evidence exists to warrant qualification of other compounds, only the compounds in the MS spiking mixture shall be qualified. If the surrogate, internal standard, and LCS recoveries are within the required acceptance criteria and either the MS or MSD recovery for any target analyte is <10%, qualify results as R.
HE12e	If the MS/MSD %R was >10%, but <70%, qualify all detects as J and all nondetects as UJ.
HE12f	If the MS/MSD %R was >130%, qualify all associated detects as J+.
HE12g	If the MS/MSD RPD was >30%, and the acceptance criteria are not reported, recovery limits of 70% to 130% and an RPD of ≤30% should be used as the criteria. For solid and waste samples, it may be appropriate to accept an RPD of up to 40% based on professional judgment.
HE15	If the affected analytes are considered suspect because the sample was diluted without any target analytes identified because of matrix interference, qualify as R if the analytical laboratory cannot provide proof for matrix interference.
HE15a	The PQLs must be adjusted to reflect all sample dilutions, concentrations, splits, cleanup activities, and dry weight factors that are not accounted for by the method. Samples must be diluted and reanalyzed when any analyte exceeds the calibration range. Data from the original sample analysis should be included when any sample requires dilution because of one or more analytes exceeding the calibration range. The original undiluted results document the actual MDLs for nondetects. If the PQLs have not been properly adjusted, request an amended report from the laboratory. If an initial dilution was required because of expected high concentrations of nontarget analytes or because one or more target analytes were expected to greatly exceed the instrument working range and the laboratory was not able to analyze the undiluted sample, note the dilution and elevated MDLs in the data validation report. If any target analyte exceeded the calibration range and the original undiluted sample result was reported, qualify all detects from the undiluted analysis that exceeded the calibration range as J. If any target analyte exceeded the calibration range and the sample was diluted and reanalyzed and the diluted sample data were reported, qualify all nondetects from the diluted analysis as UJ. If any target analyte exceeded the calibration range and the original undiluted sample analysis was not reported, request this information from the laboratory. If data from the original sample analysis are unavailable, refer to HEXP3 and HEXP3a for assessment of initially diluted samples with low surrogate recovery. The laboratory shall strive to make dilutions in such a way that the final concentration is measured in the midrange of the calibration curve and that results are not reported from measurements below the lowest concentration standard. If the instrument response (reported result/dilution factor) for a diluted sample is less than that of the lowest concentration standard, qualify all associated detects from the diluted analysis as J.

Secondary Validation Reason Codes (continued)

Code	Description
HE16	The contract-required detection limit (CDRL) check standard (CRI) sample did not pass method-acceptance criteria. CRI analysis recoveries for high explosives analysis must be within limits specified by the Laboratory. If acceptance criteria are not reported, the recovery acceptance range shall be 70% to 130%. 1. If frequency criteria were not met, qualify all detects < 5 times the PQL as J and all nondetects as UJ. 2. If the recovery is > the UAL, qualify all associated detects < 5 times the PQL as J+. 3. If the recovery is < the LAL but ≥30%, qualify all associated detects < 5 times the PQL as J- and all associated nondetects as UJ. 4. If the recovery is <30%, qualify all associated detects < 5 times the PQL as J- and all associated nondetects as R.
HE16c	The required CRI sample information is missing. Contact the SMO or the external laboratory for information.
HE19	The project chemist identified quality deficiencies in the reported data that require further qualification. This code can ONLY be used by the project chemist or under advisement of the project chemist.
HE88	Duplicate, dilution, or reanalysis.
HE99	Duplicate, dilution, or reanalysis.
I1	The sample result was reported as detected between the IDL and the estimated detection limit.
I1a	The quantitating IS area count is <10% for metals window in relation to the initial calibration blank. Follow method-specific windows.
I1b	The IS area count for the quantitating IS is <60% but >10% for metals window in relation to the initial calibration blank. Follow method-specific windows.
I1c	The IS area count for the quantitating IS is >125% in relation to the metals initial calibration blank. Follow method-specific windows.
I1d	Required IS information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
I2	Metals interference check sample %R value is <50%.
I2a	Metals interference check sample %R value is ≥50% and <80%.
I2b	Metals interference check sample %R value is >120%.
I2c	Metals interference check sample was not analyzed with the samples.
I4	The sample result is ≤ 5 times the concentration of the related analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
I4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was >5 times.
I4b	The sample result is ≤ 5 times the concentration of the related analyte in the instrument blank and continuing calibration blank (CCB), which indicates the reported detection is considered indistinguishable from contamination in the blank.
I4c	CCBs were not analyzed at the appropriate method frequency.
I4d	The sample result is ≤ 5 times the concentration of the related analyte in the trip blank, rinsate blank, or equipment blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.

Secondary Validation Reason Codes (continued)

Code	Description
14e	Required method blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
I6	The associated MS recovery was <10%. Follow the external laboratory limits located within the associated data package.
I6a	The associated MS recovery was < the LAL but >10%. Follow the external laboratory limits located within the associated data package.
I6b	The associated MS recovery was > the UAL. Follow the external laboratory limits located within the associated data package.
I6c	Required MS information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information. If LCS information is present, do not qualify as R. Qualify data based on LCS information.
I7	The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit.
I7a	The affected analytes were analyzed with an initial calibration curve that exceeded the %RSD criteria, and/or the associated multipoint calibration correlation coefficient is <0.995.
I7c	The ICV and/or CCV were recovered outside the method-specific limits.
I7d	The ICV and/or CCV were not analyzed at the appropriate method frequency.
I7f	Required calibration information is missing or samples were analyzed on an expired calibration. Contact the SMO or external laboratory for information.
I9	The extraction holding time was exceeded by < 2 times the published method for holding times.
I9a	The extraction holding time was exceeded by > 2 times the published method for holding times.
I9b	The affected analytes are regarded as rejected because the analytical holding time was exceeded.
I10a	The sample and the duplicate sample results were ≥ 5 times the RL, and the duplicate RPD was > 20% for water samples and > 35% for soil samples.
I10d	The duplicate sample was not prepared and/or analyzed with the samples for unspecified reasons. The duplicate information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
I12	The LCS %R was <10%. Follow the external laboratory limits located within the associated data package.
I12a	The LCS %R was < the LAL but >10%. Follow the external laboratory limits located within the associated data package.
I12b	The LCS %R was > the UAL. Follow the external laboratory limits located within the associated data package.
I12c	The LCS documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information. Do not qualify as R if MS/MSD information is present. Qualify according to MS/MSD criteria.
I16	The instrument performance sample did not pass the method acceptance criteria.
I16a	The mass calibration is not within 0.1 atomic mass unit, or %RSD exceeds 5% for any isotope (Be, Mg, Co, In, Pb).
I16b	Samples were analyzed outside specific method tune time criteria.
I16c	The required instrument performance sample information is missing. Contact the SMO or external laboratory for information.

Secondary Validation Reason Codes (continued)

Code	Description
I18	Serial dilution sample RPD was >10% and the sample results was > 50 times the MDL (> 100 times the MDL for inductively coupled plasma mass spectrometry). Qualify ONLY the sample used for the serial dilution.
I18a	Serial dilution sample was not analyzed with the samples.
I19	The project chemist identified quality deficiencies in the reported data that require further qualification. This code can ONLY be used by the project chemist or under advisement of the project chemist.
I88	Duplicate, dilution, or reanalysis.
J_LAB	Qualification of data via data validation did not occur based on QC requirements in this procedure. Adhere to the external laboratory qualifiers found within the Form I analytical data summary sheets generated by the external laboratory.
NQ	Qualification of data via data validation did not occur based on QC requirements in this procedure. Adhere to the external laboratory qualifiers found within the Form I analytical data summary sheets generated by the external laboratory.
P0	The analyte RT shifted by >0.05 min from the midlevel standard of the initial calibration.
P0b	Required RT documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
P3	The surrogate is <10%R, which indicates the potential for a severely low bias in the results. Follow the external laboratory limits located within the associated data package.
P3a	The surrogate is < the LAL but ≥10%R, which indicates the potential for a low bias in the results. Follow the external laboratory limits.
P3b	The surrogate %R value is > the UAL, which indicates a potential for a high bias in the results and a potential for false positive results. Follow the external laboratory limits located within the associated data package.
P3c	At least one surrogate is > the UAL and one surrogate is < the LAL, which indicates a greater than normal degree of uncertainty in the result. Follow the external laboratory limits located within the associated data package.
P3d	Required surrogate information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
P4	The sample result is ≤ 5 times the concentration of the related analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
P4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was > 5 times.
P4b	The sample result is ≤ 5 times the concentration of the related analyte in the instrument and CCB, which indicates the reported detection is considered indistinguishable from contamination in the blank.
P4d	The sample result is ≤ 5 times the concentration of the related analyte in the trip blank, rinsate blank, or equipment blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
P4e	Required blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
P7	The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit.
P7a	The affected analytes were analyzed with an initial calibration curve that exceeded the %RSD criteria, and/or the associated multipoint calibration correlation coefficient is <0.995.

Secondary Validation Reason Codes (continued)

Code	Description
P7c	The ICV and/or CCV were recovered outside the method-specific limits.
P7d	The ICV and/or CCV were not analyzed at the appropriate method frequency.
P7e	The multicomponent standard was not analyzed within 72 h of the initial analysis.
P7f	Required calibration information is missing or samples were analyzed on an expired calibration. Contact the SMO or external laboratory for information.
P8	The analyte was not confirmed on a second dissimilar column.
P8a	The required dissimilar column documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
P9	The extraction/analytical holding time was exceeded by < 2 times the published method for holding times.
P9a	The extraction/analytical holding time was exceeded by > 2 times the published method for holding times.
P9b	The affected analytes are regarded as rejected because the analytical holding time was exceeded.
P12	The LCS %R was <10%. Follow the external laboratory limits located within the associated data package.
P12a	The LCS %R was < the LAL but >10%. Follow the external laboratory limits located within the associated data package.
P12b	The LCS %R was > the UAL. Follow the external laboratory limits located within the associated data package.
P12c	The LCS documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information located within the associated data package.
P13	The breakdown criteria have been exceeded. This can cause low bias in reported results. If compound is detected, qualify as J-. If compounds are not present, but breakdown products are present, qualify as R. If compounds and no breakdown products are present, qualify as UJ (4,4'-DDT and endrin).
P13a	The breakdown criteria have been exceeded. This can cause high bias in the reported results and potential false positive results for the breakdown products endrin ketone, endrin aldehyde, DDD, and DDE (dichlorodiphenyldichloroethylene).
P13b	The breakdown documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
P15	The affected analytes have elevated detection limits and may not meet project DQOs because the sample was diluted without any target analytes identified because of matrix interference. Qualify as R if the analytical laboratory cannot provide proof for cleanup or matrix interference.
P19	The project chemist identified quality deficiencies in the reported data that require further qualification. This code can ONLY be used by the project chemist or under advisement of the project chemist.
P88	Duplicate, dilution, or reanalysis.
PE0	The perchlorate RRT is outside the acceptance range of 0.98 to 1.02 s.
PE0b	Required RT documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.

Secondary Validation Reason Codes (continued)

Code	Description
PE1a	This IS area count is <25% of the expected value. If the IS is used only as a RT check (perchlorate analysis), the RRT of the IS must fall within the acceptance range of 0.98 to 1.02, and the IS recovery should be evaluated using the surrogate criteria. If recovery acceptance limits are not reported in the data package, recovery should be evaluated based on reported MS acceptance limits.
PE1b	If the IS area count is <70% but >25% of the average of that obtained from the calibration standards, qualify all associated detects as J and all associated nondetects as UJ. If the IS is used only as a RT check (perchlorate analysis), the RRT of the IS must fall within the acceptance range of 0.98 to 1.02, and the IS recovery should be evaluated using the surrogate criteria. If recovery acceptance limits are not reported in the data package, recovery should be evaluated based on reported MS acceptance limits.
PE1c	If the IS is >130% of the average of that obtained from the calibration standards, qualify all associated detects as J and all associated nondetects as UJ. If the IS is used only as a RT check (perchlorate analysis), the RRT of the IS must fall within the acceptance range of 0.98 to 1.02, and the IS recovery should be evaluated using the surrogate criteria. If recovery acceptance limits are not reported in the data package, recovery should be evaluated based on reported MS acceptance limits.
PE1d	Required IS information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
PE4	The sample result is ≤ 5 times the concentration of the related analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
PE4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was > 5 times.
PE4d	The sample result is ≤ 5 times the concentration of the related analyte in the trip blank, rinsate blank, and equipment blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
PE4e	Required method blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
PE7	The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit. LC/MS/MS instrument calibration shall be performed using a minimum of five (5) calibration standards. The lowest point of the curve must be at or below the reporting limit. If calibration curves are used, five (5) standards are required for a linear (first-order) calibration model, six (6) standards are required for a quadratic (second-order) model, and seven (7) standards are required for a third-order polynomial. Higher-order curves should not normally be used. If the laboratory uses a higher-order equation to establish a calibration curve, it should be evaluated for the appropriate application. If an insufficient number of calibration standards was used, the PQLs were incorrect, or all points were not analyzed within a 24-h period, qualify all associated detects as J and all associated nondetects as UJ.
PE7a	The affected analytes were analyzed with an initial calibration curve that exceeded the %RSD criteria, and/or the associated multipoint calibration coefficient is <0.99.

Secondary Validation Reason Codes (continued)

Code	Description
PE7c	The ICV and/or CCV were recovered outside the method limits. The %D between the ICV and CCV standard concentrations and their true values must be ≤15%. The evaluation of CCV data applies to all CCVs that bracket samples of interest. If the %D was reported with the wrong sign (e.g., +%D for negative bias), document the occurrence in the data validation report and assess any infractions using the correct sign. 1. If the %D between a measured ICV and/or CCV concentration and its true value for any analyte is >15%, qualify all associated detects as J+. 2. If the %D between a measured ICV and/or CCV concentration and its true value for any analyte is >15% but ≤40% and negative (low bias), qualify all associated detects as J- and, if any other calibration criteria have been exceeded for that compound, qualify all associated nondetects as UJ. 3. If the %D between a measured ICV and/or CCV concentration and its true value for any analyte is >40% but ≤60% and negative, qualify all associated detects as J- and all associated nondetects as UJ. 4. If the %D between a measured ICV and/or CCV concentration and its true value for any analyte is >60% and is negative, qualify all associated detects as J- and all associated nondetects as R.
PE7d	The ICV and/or CCV were not analyzed at the appropriate method frequency. An ICV standard is analyzed immediately following an initial calibration. The ICV standard analysis results are not required to be reported in the data package unless the samples in the SDG were analyzed after the initial calibration but before a CCV standard analysis was performed. In this case, the ICV %D is assessed according to the calibration verification criteria described below for the associated samples. If a CCV is analyzed before samples and ICV data are also reported in the package, both the ICV %D and the appropriate CCV %D are to be assessed as described below. If both %D and CCV %D infractions occur, the worst infraction should be evaluated for result qualification. A CCV must be analyzed in the following instances: • at the beginning of each analytical run; • at least once every 10 samples; and • at the end of each analytical run. If multiple CCVs were analyzed to obtain a passing CCV, the calibration is not verified and the calibration frequency is not met. If the ICV and CCV standards were not analyzed at the proper frequency, or if either a required ICV or CCV was not analyzed, or if all target compounds were not present in any ICV or CCV standard, qualify all associated detects as J and all associated nondetects as UJ. If all required ICVs and CCVs were not analyzed, qualify all associated detects as J and all associated nondetects as R.
PE7f	Required calibration information is missing or samples were analyzed on an expired calibration. Contact the SMO or external laboratory for information.
PE8	The affected analyte is considered not detected because ion abundance ratios did not meet specifications. The natural isotopic abundances for the chlorine isotopes give a 35Cl/37Cl ratio of approximately 3.08. Laboratories must statistically derive isotope ratio acceptance criteria to be used as an additional confirmation of analyte identity. When the laboratory does not specify acceptance criteria, the mean of the ratio population shall not deviate by more than 10% from the 3.08 theoretical value and the standard deviation shall not significantly exceed 0.2. Between the MDL and the PQL, the individual sample isotope acceptance limits shall be near the population mean ±20% (approximately 3 sigma). Above the PQL, the individual sample isotope ratio acceptance limits shall be near the population mean ±15% (approximately 2 sigma). When isotope ratio acceptance criteria are not met, the laboratory must provide supporting data and explanatory case narrative comments in the data package. If the isotope ratios were not reported, calculate the ratio if the raw data were supplied or request an amended report from the laboratory if the raw data were not supplied. If an isotope ratio is outside the acceptance limits, qualify the detect results as J or R based on professional judgment.
PE8a	The ion ratio documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.

Secondary Validation Reason Codes (continued)

Code	Description
PE9	The extraction/analytical holding time was exceeded by < 2 times the published method for holding times.
PE9a	The extraction/analytical holding time was exceeded by < 2 times the published method for holding times.
PE12	An LCS should be analyzed at a frequency of once per data package, once per matrix, or once per 20 analytical samples, whichever is most frequent. The LCS must meet all sample acceptance criteria and all method-specific LCS requirements. The LCS for perchlorate must meet laboratory-derived acceptance criteria. If IS recovery acceptance criteria are not met for the LCS analysis, the LCS must be reanalyzed. If the recovery acceptance criteria are not reported in the analytical data package, recovery limits of 85% to 115% (perchlorate limits) should be used as the criteria. The LCS percent recovery was <10%. Qualify detected results as J- and not detected results as R.
PE12a	The LCS percent recovery was < the LAL but >10%. Follow the external laboratory limits. Qualify detected results as J- and not detected results as UJ.
PE12b	The LCS percent recovery was > the UAL. Follow the external laboratory limits. Qualify detected results as J+.
PE12c	The LCS documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
PE12d	The MS/MSD %R was <10%. The MS/MSD data shall not be used to evaluate associated field sample results unless the MS/MSD sample was from the same client and of similar matrix. For perchlorate, the MS/MSD recovery acceptance criteria are 75% to 125% with an RPD of ≤20%. For solid and waste samples, it may be appropriate to accept an RPD of up to 30% based on professional judgment. The MS and MSD %R must be within the limits unless the sample concentration is > 4 times the spike concentration. The MS and MSD results may be used in conjunction with other QC results to determine the need for qualification of the data. An effort to determine to what extent the results of the MS/MSD affect the associated data should first be made. This determination should be made considering the MS/MSD sample matrix, the surrogate and internal standard recoveries, and the LCS results. Professional judgment should be used to determine if MS/MSD failure warrants qualification of only the results for the failed compounds or if results for all compounds associated with the failed MS compound are affected. Generally, unless evidence exists to warrant qualification of other compounds, only the compounds in the MS spiking mixture shall be qualified. If the surrogate, internal standard, and LCS recoveries are within the required acceptance criteria and either the MS or MSD recovery for any target analyte is <10%, qualify results as R.
PE12e	The MS/MSD %R was >10% but <75%. Qualify all detects as J and all nondetects as UJ.
PE12f	The MS/MSD %R was >125%. Qualify all associated detects as J+.
PE12g	The MS/MSD RPD was >20%. If the acceptance criteria are not reported, recovery limits of 75% to 125% and an RPD of 20% should be used as the criteria. For solid and waste samples, it may be appropriate to accept an RPD of up to 30% based on professional judgment.
PE15	The affected analytes are considered suspect because the sample was diluted without any target analytes identified because of matrix interference. Qualify as R if the analytical laboratory cannot provide proof for matrix interference.

Secondary Validation Reason Codes (continued)

Code	Description
PE15a	The sample was diluted because target analytes were greater than the initial verification calibration. The PQLs must be adjusted to reflect all sample dilutions, concentrations, splits, cleanup activities, and dry weight factors that are not accounted for by the method. Samples must be diluted and reanalyzed when any analyte exceeds the calibration range. Data from the original sample analysis should be included when any sample requires dilution because of one or more analytes exceeding the calibration range. The original undiluted results document the actual MDLs for nondetects. If the PQLs have not been properly adjusted, request an amended report from the laboratory. If an initial dilution was required because of expected high concentrations of nontarget analytes or because one or more target analytes were expected to greatly exceed the instrument working range and the laboratory was not able to analyze the undiluted sample, note the dilution and elevated MDLs in the data validation report. If any target analyte exceeded the calibration range and the original undiluted sample result was reported, qualify all detects from the undiluted analysis that exceeded the calibration range as J. If any target analyte exceeded the calibration range and the sample was diluted and reanalyzed and the diluted sample data were reported, qualify all nondetects from the diluted analysis as UJ. If any target analyte exceeded the calibration range and the original undiluted sample analysis was not reported, request this information from the laboratory. The laboratory shall strive to make dilutions in such a way that the final concentration is measured in the midrange of the calibration curve and that results are not reported from measurements below the lowest concentration standard. If the instrument response (reported result/dilution factor) for a diluted sample is less than that of the lowest concentration standard, qualify all associated detects from the diluted analysis as J.
PE16	The CRI sample did not pass method-acceptance criteria. CRI analysis recoveries for perchlorate analysis must be within limits specified by the Laboratory. If acceptance criteria are not reported, the recovery acceptance range shall be 70% to 130%. 1. If frequency criteria were not met, qualify all detects < 5 times the PQL as J and all nondetects as UJ. 2. If the recovery is > the UAL, qualify all associated detects < 5 times the PQL as J+. 3. If the recovery is < the LAL but ≥30%, qualify all associated detects < 5 times the PQL as J- and all associated nondetects as UJ. 4. If the recovery is <30%, qualify all associated detects < 5 times the PQL as J- and all associated nondetects as R.
PE16a	The interference check sample recovery was not within ±20% of the known value. The laboratory shall analyze an interference check sample from a matrix containing 500 ppm each of chloride, sulfate, carbonate, and bicarbonate in every batch. The concentration of this standard will be at the PQL. To determine that perchlorate is adequately isolated and recovered under the specific conditions used, this standard should recover within ±20% of the known value. If frequency criteria were not met, note the deficiency in the data validation report. If the recovery is not within ±20% of the known value, note the deficiency in the data validation report. Qualify not detected results as UJ and detected results as J.
PE16c	The required CRI sample information is missing. Contact the SMO or external laboratory for information.
PE19	The project chemist identified quality deficiencies in the reported data that require further qualification. This code can ONLY be used by the project chemist or under advisement of the project chemist.
PE88	Duplicate, dilution, or reanalysis.
R3	The tracer is <10%R. Follow the external laboratory limits located within the associated data package. Tracer %R is not applicable for gamma spectroscopy.
R3a	The tracer is < the LAL but ≥10%R. Follow the external laboratory limits located within the associated data package. Tracer %R is not applicable for gamma spectroscopy.
R3b	The tracer %R value is > the UAL. Follow the external laboratory limits located within the associated data package. Tracer %R is not applicable for gamma spectroscopy.

Secondary Validation Reason Codes (continued)

Code	Description
R3d	Required tracer information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information. Tracer% R is not applicable for gamma spectroscopy.
R4	The sample result is ≤ 5 times the concentration of the related analyte in the method blank.
R4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was > 5 times.
R4d	The sample result is ≤ 5 times the concentration of the related analyte in the trip blank, rinsate blank, or equipment blank.
R4e	Required method blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
R5	The results for the affected analytes are considered not detected (U) because the associated sample concentration was less than or equal to the minimum detectable concentration (MDC).
R5a	The analyte should be regarded as rejected because spectral interferences prevent positive identification of the analytes.
R5b	The MDC and/or total propagated uncertainty (TPU) documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
R6	The duplicate sample was not prepared and/or analyzed with the samples for unspecified reasons. The duplicate information is missing.
R6a	The associated MS recovery was <10%. Follow the external laboratory limits. MS/MSD is not applicable to gamma spectroscopy.
R6b	The associated MS recovery was above the UAL. Follow the external laboratory limits. MS/MSD is not applicable to gamma spectroscopy.
R6c	Required MS information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information. If LCS information is present, do not qualify as R. Qualify data based on LCS information. MS/MSD is not applicable to gamma spectroscopy.
R9	The holding time was > 1 and ≤ 2 times the applicable holding time requirement.
R9a	The holding time was > 2 times the applicable holding time requirement.
R10	Associated duplicate sample has a duplicate error ratio or relative error ratio greater than the analytical laboratory's acceptance limits.
R10d	The duplicate sample was not prepared and/or analyzed with the samples for unspecified reasons. The duplicate information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
R11	The results for the affected analytes should be regarded as not detected (U) because the associated sample concentration was less than 3 times the 1 sigma TPU.
R12	The LCS %R was <10%. Follow the external laboratory limits located within the associated data package.
R12a	The LCS %R was < the LAL but >10%. Follow the external laboratory limits located within the associated data package.
R12b	The LCS %R was > the UAL. Follow the external laboratory limits located within the associated data package.
R12c	The LCS documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
R19	The LANL project chemist identified quality deficiencies in the reported data that require further qualification. This code can ONLY be used by the LANL project chemist or under advisement of the LANL project chemist.
R88	Duplicate, dilution, or reanalysis.

Secondary Validation Reason Codes (continued)

Code	Description
SV0	The IS RT has shifted by >30 s.
SV0a	Analyte is positively confirmed but outside the IS retention window; however, spectral matches must be provided.
SV0b	Required RT documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
SV1a	The quantitating IS area count is <10% of the expected value. Follow the method-specific windows.
SV1b	The IS area count for the quantitating IS is <50% but >10% for the organics window relative to the previous continuing calibration. Follow the method-specific windows.
SV1c	The IS area count for the quantitating IS is >200% of the area count for the previous organic continuing calibration. Follow the method-specific windows.
SV1d	Required IS information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
SV3	The surrogate is <10%R, which indicates the potential for a severely low bias in the results. Follow the external laboratory limits located within the associated data package.
SV3a	The surrogate is < the LAL but ≥ 10%R, which indicates the potential for a low bias in the results. Follow the external laboratory limits.
SV3b	The surrogate %R value is > the UAL, which indicates a potential for a high bias in the results and a potential for false positive results. Follow the external laboratory limits located within the associated data package.
SV3c	At least one surrogate is > the UAL and one surrogate is < the LAL, which indicates a greater than normal degree of uncertainty in the result. Follow the external laboratory limits located within the associated data package.
SV3d	Required surrogate/tracer information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
SV4	The sample result is ≤ 5 times (10 times for common organic laboratory contaminants) the concentration of the related analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
SV4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was > 5 times (10 times for common laboratory contaminants).
SV4d	The sample result is ≤ 5 times the concentration of the related analyte in the trip blank, rinsate blank, or equipment blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
SV4e	Required method blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
SV7	The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit.
SV7a	The affected analytes were analyzed with an initial calibration curve that exceeded the %RSD criteria, and/or the associated multipoint calibration correlation coefficient is <0.995.
SV7b	The affected analytes were analyzed with an RRF of <0.05 in the initial calibration and/or CCV.
SV7c	The ICV and/or CCV were recovered outside the method-specific limits.
SV7d	The ICV and/or CCV were not analyzed at the appropriate method frequency.

Secondary Validation Reason Codes (continued)

Code	Description
SV7f	Required calibration information is missing or samples were analyzed on an expired calibration. Contact the SMO or external laboratory for information.
SV8	The affected analyte is considered not detected because mass spectrum did not meet specifications.
SV8a	The mass spectrum column documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
SV9	The extraction holding time is exceeded by < 2 times the published method for holding times.
SV9a	The extraction holding time was exceeded by > 2 times the published method for holding times.
SV9b	The affected analytes are regarded as rejected because the analytical holding time was exceeded.
SV12	The LCS %R was <10%. Follow the external laboratory limits located within the associated data package.
SV12a	The LCS %R was < the LAL but >10%. Follow the external laboratory limits located within the associated data package.
SV12b	The LCS %R was > the UAL. Follow the external laboratory limits located within the associated data package.
SV12c	The LCS documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information located within the associated data package.
SV15	The affected analytes have elevated detection limits and may not meet project DQOs because the sample was diluted without any target analytes identified because of matrix interference. Qualify as R if the analytical laboratory cannot provide proof for matrix interference.
SV16	The instrument performance sample did not pass the method acceptance criteria.
SV16b	Samples were analyzed outside specific method tune time criteria.
SV16c	The required instrument performance sample information is missing. Contact the SMO or external laboratory for information.
SV19	The project chemist identified quality deficiencies in the reported data that requires further qualification. This code can ONLY be used by the project chemist or under advisement of the project chemist.
SV88	Duplicate, dilution, or reanalysis.
U_LAB	Qualification of data via data validation did not occur based on QC requirements in this procedure. Adhere to the external laboratory qualifiers found within the Form I analytical data summary sheets generated by the external laboratory.
V0	The IS RT has shifted by >30 s.
V0a	Analyte is positively confirmed but outside the IS retention window; however, spectral matches must be provided.
V0b	Required RT documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
V1a	The quantitating IS area count is <10% of the expected value. Follow the method-specific windows.
V1b	The IS area count for the quantitating IS is <50% but >10% for the organics window relative to the previous continuing calibration. Follow the method-specific windows.

Secondary Validation Reason Codes (continued)

Code	Description
V1c	The IS area count for the quantitating IS is >200% of the area count for the previous organic continuing calibration. Follow the method-specific windows.
V1d	Required IS information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
V3	The surrogate is <10%R, which indicates the potential for a severely low bias in the results. Follow the external laboratory limits located within the associated data package.
V3a	The surrogate is < the LAL but ≥10%R, which indicates the potential for a low bias in the results. Follow the external laboratory limits.
V3b	The surrogate %R value is > the UAL, which indicates a potential for a high bias in the results and a potential for false positive results. Follow the external laboratory limits located within the associated data package.
V3c	At least one surrogate is > the UAL and one surrogate is < the LAL, which indicates a greater than normal degree of uncertainty in the result. Follow the external laboratory limits located within the associated data package.
V3d	Required surrogate/tracer information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
V4	The sample result is ≤ 5 times (10 times for common organic laboratory contaminants) the concentration of the related analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
V4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was > 5 times (10 times for common laboratory contaminants).
V4d	The sample result is ≤ 5 times the concentration of the related analyte in the trip blank, rinsate blank, or equipment blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
V4e	Required method blank information is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
V7	The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit.
V7a	The affected analytes were analyzed with an initial calibration curve that exceeded the %RSD criteria, and/or the associated multipoint calibration correlation coefficient is <0.995.
V7b	The affected analytes were analyzed with an RRF of < 0.05 in the initial calibration and/or CCV.
V7c	The ICV and/or CCV were recovered outside the method-specific limits.
V7d	The ICV and/or CCV were not analyzed at the appropriate method frequency.
V7f	Required calibration information is missing or samples were analyzed on an expired calibration. Contact the SMO or external laboratory for information.
V8	The affected analyte is considered not detected because mass spectrum did not meet specifications.
V8a	The mass spectrum column documentation is missing. Data may not be acceptable for use. Contact the SMO or external laboratory for information.
V9	The extraction/analytical holding time is exceeded by < 2 times the published method for holding times.
V9a	The extraction/analytical holding time was exceeded by >2 times the published method for holding times.

Secondary Validation Reason Codes (continued)

Code	Description
V12	The LCS %R was <10%. Follow the external laboratory limits located within the associated data package.
V12a	The LCS %R was < the LAL but >10%. Follow the external laboratory limits located within the associated data package.
V12b	The LCS %R was > the UAL. Follow the external laboratory limits located within the associated data package.
V12c	The IS area count for the quantitating IS is >200% of the area count for the previous organic continuing calibration. Follow the method-specific windows.
V15	The affected analytes have elevated detection limits and may not meet project DQOs because the sample was diluted without any target analytes identified because of matrix interference. Qualify as R if the analytical laboratory cannot provide proof for matrix interference.
V16	The instrument performance sample did not pass the method acceptance criteria.
V16b	Samples were analyzed outside specific method tune time criteria.
V16c	The required instrument performance sample information is missing. Contact the SMO or external laboratory for information.
V19	The project chemist identified quality deficiencies in the reported data that require further qualification. This code can ONLY be used under advisement by the project chemist.
V88	Duplicate, dilution, or reanalysis.

Table D-1
Previously Unreported Chromium Investigation Monitoring Group Groundwater Tritium

Zone	Location	Well Class	Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Intermediate	SCI-1	SINGLE	358.4	05/07/10	H-3	UF	RE	—*	—	70.25	10.60	1.82001	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	SCI-1	SINGLE	358.4	11/16/10	H-3	UF	RE	—	—	87.39	13.22	2.5544	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	SCI-2	SINGLE	548	05/06/10	H-3	UF	DUP	—	<	505.14	78.75	229.6209	—	pCi/L	EPA:906.0	ARSL	—	R	R5a
Intermediate	SCI-2	SINGLE	548	05/06/10	H-3	UF	RE	—	—	505.14	78.75	229.6209	—	pCi/L	EPA:906.0	ARSL	—	—	—
Intermediate	SCI-2	SINGLE	548	11/16/10	H-3	UF	RE	—	—	680.05	77.73	206.9964	—	pCi/L	EPA:906.0	ARSL	—	—	—
Intermediate	SCI-2	SINGLE	548	06/02/11	H-3	UF	RE	—	—	334.75	50.39	4.31055	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-43	MULTI	903.9	05/10/10	H-3	UF	DUP	—	<	−0.96	0.48	1.62843	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	R	R5a
Regional	R-43	MULTI	903.9	05/10/10	H-3	UF	RE	—	<	−0.97	0.48	1.64	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-43	MULTI	903.9	11/16/10	H-3	UF	RE	—	<	−0.29	0.73	2.49054	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-43	MULTI	969.1	05/10/10	H-3	UF	DUP	—	<	1.21	0.57	1.72422	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	R	R5a
Regional	R-43	MULTI	969.1	05/10/10	H-3	UF	RE	—	<	1.22	0.58	1.74	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	U	R5
Regional	R-43	MULTI	969.1	11/16/10	H-3	UF	RE	—	<	0.48	0.80	2.65019	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-11	SINGLE	855	05/05/10	H-3	UF	DUP	—	<	4.60	0.99	2.20317	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	R	R5a
Regional	R-11	SINGLE	855	05/05/10	H-3	UF	RE	—	—	4.64	1.00	2.22	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-11	SINGLE	855	11/11/10	H-3	UF	RE	—	—	5.36	1.12	2.29896	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-35b	SINGLE	825.4	11/11/10	H-3	UF	RE	—	<	0.32	0.80	2.68212	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-35a	SINGLE	1013.1	11/11/10	H-3	UF	RE	—	<	−0.06	0.70	2.39475	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-36	SINGLE	766.9	11/11/10	H-3	UF	RE	—	—	21.20	3.32	2.29896	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-1	SINGLE	1031.1	11/12/10	H-3	UF	RE	—	<	−0.42	0.70	2.33089	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-15	SINGLE	958.6	11/09/10	H-3	UF	RE	—	—	33.81	5.14	1.88387	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-42	SINGLE	931.8	11/10/10	H-3	UF	RE	—	—	329.75	75.39	234.2266	—	pCi/L	EPA:906.0	ARSL	—	—	—
Regional	R-28	SINGLE	934.3	11/10/10	H-3	UF	RE	—	—	218.53	32.82	1.78808	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-45	MULTI	880	11/19/10	H-3	UF	RE	—	—	4.50	1.02	2.42668	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-45	MULTI	974.9	11/19/10	H-3	UF	RE	—	<	1.98	0.80	2.42668	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-61	MULTI	1125	08/18/11	H-3	UF	CS	—	—	14.91131	2.42668	2.26703	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—

Table D-1 (continued)

Zone	Location	Well Class	Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Regional	R-61	MULTI	1220.4	08/19/11	H-3	UF	CS	—	<	0.28737	0.70246	2.33089	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-50	MULTI	1077	11/16/10	H-3	UF	RE	—	—	28.48156	4.40634	2.5544	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-50	MULTI	1077	02/23/11	H-3	UF	RE	FD	—	27.26822	4.18283	1.5965	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-50	MULTI	1077	02/23/11	H-3	UF	RE	—	—	29.22	4.47	1.62843	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-50	MULTI	1077	08/04/11	H-3	UF	CS	FD	—	16.16	2.62	2.26703	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-50	MULTI	1077	08/04/11	H-3	UF	CS	—	—	12.64	2.14	2.52247	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-50	MULTI	1077	08/04/11	H-3	UF	CS	PEB	<	−0.77	0.67	2.29896	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-50	MULTI	1185	11/16/10	H-3	UF	RE	FD	<	0.96	0.67	2.20317	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-50	MULTI	1185	11/16/10	H-3	UF	RE	—	<	1.37299	0.76632	2.42668	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-50	MULTI	1185	02/24/11	H-3	UF	RE	—	<	−0.19158	0.57474	1.9158	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-50	MULTI	1185	08/08/11	H-3	UF	CS	—	<	−1.24527	0.67053	2.29896	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-44	MULTI	895	11/18/10	H-3	UF	RE	—	<	1.94773	0.76632	2.29896	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-44	MULTI	985.3	11/18/10	H-3	UF	RE	—	<	0.47895	0.76632	2.58633	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-13	SINGLE	958.3	11/09/10	H-3	UF	RE	—	<	0.89	0.70	2.29896	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

*— = None.

Table D-2
Chromium Investigation Monitoring Group Groundwater Radioactivity

Zone	Location	Well Class	Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Load Date	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE Drinking Water DCG Screening Level	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	SCI-1	SINGLE	358.4	11/16/11	GROSSA	UF	CS	—*	—	5.45	1.8	3.4	pCi/L	GELC	EPA:900	12/16/11	—	—	—	30	0.18	—	—	15	0.36	—	—
Intermediate	SCI-1	SINGLE	358.4	11/16/11	Ra-226	UF	CS	—	—	0.319	0.09	0.14	pCi/L	GELC	EPA:903.1	12/16/11	—	—	—	100	—	4	0.08	5	0.06	30	0.01
Intermediate	SCI-1	SINGLE	358.4	11/16/11	Ra-228	UF	CS	—	<	0.362	0.13	0.35	pCi/L	GELC	EPA:904	12/16/11	—	U	R11	100	—	4	0.09	5	0.07	30	0.01
Intermediate	SCI-2	SINGLE	548	11/14/11	H-3	UF	CS	—	—	491	87	180	pCi/L	GELC	EPA:906.0	12/14/11	—	—	—	2,000,000	—	80,000	0.01	20,000	0.02	—	—
Intermediate	SCI-2	SINGLE	548	11/14/11	Ra-226	UF	CS	—	—	1.26	0.27	0.43	pCi/L	GELC	EPA:903.1	12/15/11	—	—	—	100	0.01	4	0.32	5	0.25	30	0.04
Regional	R-43	MULTI	969.1	11/15/11	Ra-226	UF	CS	—	—	0.756	0.18	0.2	pCi/L	GELC	EPA:903.1	12/16/11	—	—	—	100	0.01	4	0.19	5	0.15	30	0.03
Regional	R-11	SINGLE	855	11/16/11	Ra-228	UF	CS	—	—	0.763	0.24	0.65	pCi/L	GELC	EPA:904	12/20/11	—	—	—	100	0.01	4	0.19	5	0.15	30	0.03
Regional	R-35b	SINGLE	825.4	11/09/11	Ra-226	UF	CS	—	—	0.472	0.14	0.31	pCi/L	GELC	EPA:903.1	12/12/11	—	—	—	100	—	4	0.12	5	0.09	30	0.02
Regional	R-35a	SINGLE	1013.1	11/17/11	Ra-226	UF	CS	—	—	0.523	0.16	0.36	pCi/L	GELC	EPA:903.1	12/22/11	—	—	—	100	0.01	4	0.13	5	0.1	30	0.02
Intermediate	MCOI-5	SINGLE	689	11/08/11	H-3	UF	CS	—	—	2320	260	180	pCi/L	GELC	EPA:906.0	12/08/11	—	—	—	2,000,000	—	80,000	0.03	20,000	0.12	—	—
Intermediate	MCOI-6	SINGLE	686	11/09/11	H-3	UF	CS	FD	—	4180	440	180	pCi/L	GELC	EPA:906.0	12/12/11	—	—	—	2,000,000	—	80,000	0.05	20,000	0.21	—	—
Intermediate	MCOI-6	SINGLE	686	11/09/11	H-3	UF	CS	—	—	4280	450	180	pCi/L	GELC	EPA:906.0	12/12/11	—	—	—	2,000,000	—	80,000	0.05	20,000	0.21	—	—
Regional	R-1	SINGLE	1031.1	11/18/11	Ra-228	UF	CS	—	—	0.525	0.16	0.4	pCi/L	GELC	EPA:904	12/22/11	—	—	—	100	0.01	4	0.13	5	0.11	30	0.02
Regional	R-42	SINGLE	931.8	11/10/11	H-3	UF	CS	—	—	315	71	170	pCi/L	GELC	EPA:906.0	12/12/11	—	—	—	2,000,000	—	80,000	—	20,000	0.02	—	—
Regional	R-45	MULTI	974.9	11/16/11	Ra-226	UF	CS	—	—	0.416	0.13	0.29	pCi/L	GELC	EPA:903.1	12/20/11	—	—	—	100	—	4	0.1	5	0.08	30	0.01
Regional	R-61	MULTI	1125	11/21/11	Ra-226	UF	CS	—	—	0.529	0.14	0.25	pCi/L	GELC	EPA:903.1	12/22/11	—	—	—	100	0.01	4	0.13	5	0.11	30	0.02
Regional	R-44	MULTI	985.3	11/17/11	Ra-226	UF	CS	—	<	0.448	0.15	0.31	pCi/L	GELC	EPA:903.1	12/22/11	—	U	R11	100	—	4	0.11	5	0.09	30	0.01
Regional	R-44	MULTI	985.3	11/17/11	Ra-228	UF	CS	—	<	0.567	0.19	0.52	pCi/L	GELC	EPA:904	12/22/11	—	U	R11	100	0.01	4	0.14	5	0.11	30	0.02

*— = None.

Table D-3
Chromium Investigation Monitoring Group Groundwater Tritium

Zone	Location	Well Class	Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Intermediate	SCI-1	SINGLE	358.4	11/16/11	H-3	UF	CS	—*	—	60.72	9.22	2.33	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-43	MULTI	903.9	11/15/11	H-3	UF	CS	—	<	−0.27	0.66	2.25	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-43	MULTI	969.1	11/15/11	H-3	UF	CS	FD	<	−0.69	0.68	2.34	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-43	MULTI	969.1	11/15/11	H-3	UF	CS	—	<	0.47	0.70	2.32	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-11	SINGLE	855	11/16/11	H-3	UF	CS	—	—	4.02	0.99	2.42	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-35b	SINGLE	825.4	11/09/11	H-3	UF	CS	—	<	−0.72	0.69	2.37	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-35a	SINGLE	1013.1	11/17/11	H-3	UF	CS	—	<	−0.52	0.68	2.34	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-36	SINGLE	766.9	11/16/11	H-3	UF	CS	—	—	12.08	2.02	2.31	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-1	SINGLE	1031.1	11/18/11	H-3	UF	CS	FD	<	−0.37	0.71	2.42	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-1	SINGLE	1031.1	11/18/11	H-3	UF	CS	—	<	−0.61	0.67	2.31	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-1	SINGLE	1031.1	11/18/11	H-3	UF	CS	PEB	<	−0.69	0.68	2.33	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-15	SINGLE	958.6	11/10/11	H-3	UF	CS	—	—	29.99	4.64	2.34	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-45	MULTI	880	11/16/11	H-3	UF	CS	—	<	1.55	0.75	2.33	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-45	MULTI	974.9	11/16/11	H-3	UF	CS	—	<	0.53	0.73	2.42	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-61	MULTI	1125	11/21/11	H-3	UF	CS	FD	—	33.26	5.10	2.05	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-61	MULTI	1125	11/21/11	H-3	UF	CS	—	—	33.63	5.19	2.46	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-61	MULTI	1220.4	11/18/11	H-3	UF	CS	—	<	−1.25	0.64	2.17	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-50	MULTI	1077	11/18/11	H-3	UF	CS	—	—	24.75	3.98	3.41	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-50	MULTI	1185	11/21/11	H-3	UF	CS	—	—	23.15	3.71	3.09	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-50	MULTI	1185	11/28/11	H-3	UF	CS	—	<	0.12	0.59	2.01	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-44	MULTI	895	11/17/11	H-3	UF	CS	—	<	0.62	0.73	2.4	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-44	MULTI	985.3	11/17/11	H-3	UF	CS	—	<	−0.42	0.63	2.17	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-13	SINGLE	958.3	11/22/11	H-3	UF	CS	—	<	−1.10	0.71	2.43	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

*— = None.

Table D-4
Chromium Investigation Monitoring Group Groundwater General Inorganic Chemistry

Analyte	Zone	Location	Well Class	Depth (ft)	Date	Field Preparation Code	Field QC Type Code	Lab Sample Type Code	Symbol	Result	Uncertainty	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)	Consent Order Screening Level	Ratio (Result/Screening Level)
ClO4	Intermediate	MCOI-5	SINGLE	689	11/08/11	F	—*	CS	—	75.1	—	5	µg/L	GELC	—	—	—	15	5.01	—	—	4	18.78
ClO4	Intermediate	MCOI-6	SINGLE	686	11/09/11	F	FD	CS	—	63.1	—	5	µg/L	GELC	—	—	—	15	4.21	—	—	4	15.78
ClO4	Intermediate	MCOI-6	SINGLE	686	11/09/11	F	—	CS	—	63.1	—	5	µg/L	GELC	—	—	—	15	4.21	—	—	4	15.78
ClO4	Regional	R-15	SINGLE	958.6	11/10/11	F	—	CS	—	8.14	—	1	µg/L	GELC	—	—	—	15	0.54	—	—	4	2.04
ClO4	Regional	R-61	MULTI	1125	11/21/11	F	FD	CS	—	5.96	—	0.5	µg/L	GELC	—	—	—	—	—	—	—	4	1.49
ClO4	Regional	R-61	MULTI	1125	11/21/11	F	—	CS	—	5.9	—	0.5	µg/L	GELC	—	—	—	—	—	—	—	4	1.48
NO3+NO2-N	Regional	R-43	MULTI	903.9	11/15/11	F	—	CS	—	5.14	—	0.1	mg/L	GELC	—	—	—	10	0.51	10	0.51	—	—
NO3+NO2-N	Regional	R-36	SINGLE	766.9	11/16/11	F	—	CS	—	5.14	—	0.1	mg/L	GELC	—	—	—	10	0.51	10	0.51	—	—
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	11/09/11	F	FD	CS	—	8.93	—	0.1	mg/L	GELC	—	—	—	10	0.89	10	0.89	—	—
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	11/09/11	F	—	CS	—	8.76	—	0.1	mg/L	GELC	—	—	—	10	0.88	10	0.88	—	—
NO3+NO2-N	Regional	R-42	SINGLE	931.8	11/10/11	F	—	CS	—	6.56	—	0.1	mg/L	GELC	—	—	—	10	0.66	10	0.66	—	—

*— = None.

Table D-5
Chromium Investigation Monitoring Group Groundwater Perchlorate

Zone	Location	Well Class	Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Intermediate	SCI-1	SINGLE	358	11/16/11	—*	F	CS	ClO4	SW-846:6850	—	0.89	0.05	µg/L	1	—	—	—	GELC
Intermediate	SCI-2	SINGLE	548	11/14/11	—	F	CS	ClO4	SW-846:6850	—	1.07	0.1	µg/L	2	—	—	—	GELC
Regional	R-43	MULTI	904	11/15/11	—	F	CS	ClO4	SW-846:6850	—	0.94	0.1	µg/L	2	—	—	—	GELC
Regional	R-43	MULTI	969	11/15/11	—	F	CS	ClO4	SW-846:6850	—	0.421	0.05	µg/L	1	—	—	—	GELC
Regional	R-43	MULTI	969	11/15/11	FD	F	CS	ClO4	SW-846:6850	—	0.454	0.05	µg/L	1	—	—	—	GELC
Regional	R-11	SINGLE	855	11/16/11	—	F	CS	ClO4	SW-846:6850	—	1.55	0.2	µg/L	4	—	—	—	GELC
Regional	R-35b	SINGLE	825	11/09/11	—	F	CS	ClO4	SW-846:6850	—	0.581	0.05	µg/L	1	—	—	—	GELC
Regional	R-35a	SINGLE	1013	11/17/11	—	F	CS	ClO4	SW-846:6850	—	0.406	0.05	µg/L	1	—	—	—	GELC
Regional	R-36	SINGLE	767	11/16/11	—	F	CS	ClO4	SW-846:6850	—	0.845	0.05	µg/L	1	—	—	—	GELC
Intermediate	MCOI-5	SINGLE	689	11/08/11	—	F	CS	ClO4	SW-846:6850	—	75.1	5	µg/L	100	—	—	—	GELC
Intermediate	MCOI-6	SINGLE	686	11/09/11	—	F	CS	ClO4	SW-846:6850	—	63.1	5	µg/L	100	—	—	—	GELC
Intermediate	MCOI-6	SINGLE	686	11/09/11	FD	F	CS	ClO4	SW-846:6850	—	63.1	5	µg/L	100	—	—	—	GELC
Regional	R-1	SINGLE	1031	11/18/11	—	F	CS	ClO4	SW-846:6850	—	0.349	0.05	µg/L	1	—	—	—	GELC
Regional	R-1	SINGLE	1031	11/18/11	FD	F	CS	ClO4	SW-846:6850	—	0.343	0.05	µg/L	1	—	—	—	GELC
Regional	R-1	SINGLE	1031	11/18/11	PEB	UF	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Regional	R-15	SINGLE	959	11/10/11	—	F	CS	ClO4	SW-846:6850	—	8.14	1	µg/L	20	—	—	—	GELC
Regional	R-42	SINGLE	932	11/10/11	—	F	CS	ClO4	SW-846:6850	—	1.22	0.1	µg/L	2	—	—	—	GELC
Regional	R-28	SINGLE	934	11/15/11	—	F	CS	ClO4	SW-846:6850	—	1.05	0.1	µg/L	2	—	—	—	GELC
Regional	R-45	MULTI	880	11/16/11	—	F	CS	ClO4	SW-846:6850	—	0.546	0.05	µg/L	1	—	—	—	GELC
Regional	R-45	MULTI	975	11/16/11	—	F	CS	ClO4	SW-846:6850	—	0.408	0.05	µg/L	1	—	—	—	GELC
Regional	R-61	MULTI	1125	11/21/11	—	F	CS	ClO4	SW-846:6850	—	5.9	0.5	µg/L	10	—	—	—	GELC
Regional	R-61	MULTI	1125	11/21/11	FD	F	CS	ClO4	SW-846:6850	—	5.96	0.5	µg/L	10	—	—	—	GELC
Regional	R-61	MULTI	1220	11/18/11	—	F	CS	ClO4	SW-846:6850	—	0.265	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1077	11/18/11	—	F	CS	ClO4	SW-846:6850	—	0.545	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1185	11/28/11	—	F	CS	ClO4	SW-846:6850	—	0.31	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	895	11/17/11	—	F	CS	ClO4	SW-846:6850	—	0.403	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	985	11/17/11	—	F	CS	ClO4	SW-846:6850	—	0.34	0.05	µg/L	1	—	—	—	GELC
Regional	R-13	SINGLE	958	11/22/11	—	F	CS	ClO4	SW-846:6850	—	0.418	0.05	µg/L	1	—	—	—	GELC

*— = None.

Table D-6
Chromium Investigation Monitoring Group Groundwater Metals

Zone	Location	Well Class	Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	SCI-1	SINGLE	358.4	11/16/11	As	F	CS	—*	—	16.5	8.5	µg/L	GELC	J	J	J_LAB	SW-846:6020	10	1.65	—	—
Intermediate	SCI-1	SINGLE	358.4	11/16/11	As	UF	CS	—	—	23.4	8.5	µg/L	GELC	J	J	J_LAB	SW-846:6020	10	2.34	—	—
Intermediate	SCI-1	SINGLE	358.4	11/16/11	Cr	F	CS	—	—	48.7	10	µg/L	GELC	J	J	J_LAB	SW-846:6020	—	—	50	0.97
Intermediate	SCI-1	SINGLE	358.4	11/16/11	Cr	UF	CS	—	—	69.9	10	µg/L	GELC	—	—	—	SW-846:6020	100	0.7	—	—
Intermediate	SCI-2	SINGLE	548	11/14/11	Cr	F	CS	—	—	501	10	µg/L	GELC	—	—	—	SW-846:6020	100	5.01	50	10.02
Intermediate	SCI-2	SINGLE	548	11/14/11	Cr	UF	CS	—	—	524	10	µg/L	GELC	—	—	—	SW-846:6020	100	5.24	—	—
Regional	R-43	MULTI	903.9	11/15/11	Cr	F	CS	—	—	37	10	µg/L	GELC	J	J	J_LAB	SW-846:6020	—	—	50	0.74
Intermediate	MCOI-6	SINGLE	686	11/09/11	Cr	F	CS	FD	—	60.9	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.61	50	1.22
Intermediate	MCOI-6	SINGLE	686	11/09/11	Cr	F	CS	—	—	61.8	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.62	50	1.24
Intermediate	MCOI-6	SINGLE	686	11/09/11	Cr	UF	CS	FD	—	62.2	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.62	—	—
Intermediate	MCOI-6	SINGLE	686	11/09/11	Cr	UF	CS	—	—	62.9	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.63	—	—
Regional	R-42	SINGLE	931.8	11/10/11	Cr	F	CS	—	—	935	2	µg/L	GELC	—	—	—	SW-846:6020	100	9.35	50	18.7
Regional	R-42	SINGLE	931.8	11/10/11	Cr	UF	CS	—	—	1040	10	µg/L	GELC	—	—	—	SW-846:6020	100	10.4	—	—
Regional	R-28	SINGLE	934.3	11/15/11	Cr	F	CS	—	—	455	10	µg/L	GELC	—	—	—	SW-846:6020	100	4.55	50	9.1
Regional	R-28	SINGLE	934.3	11/15/11	Cr	UF	CS	—	—	445	10	µg/L	GELC	—	—	—	SW-846:6020	100	4.45	—	—
Regional	R-61	MULTI	1125	11/21/11	Fe	F	CS	FD	—	920	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	0.92
Regional	R-61	MULTI	1125	11/21/11	Fe	F	CS	—	—	909	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	0.91
Regional	R-61	MULTI	1125	11/21/11	Mn	F	CS	FD	—	914	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	4.57
Regional	R-61	MULTI	1125	11/21/11	Mn	F	CS	—	—	902	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	4.51
Regional	R-61	MULTI	1220.4	11/18/11	Fe	F	CS	—	—	1750	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	1.75
Regional	R-61	MULTI	1220.4	11/18/11	Mn	F	CS	—	—	566	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	2.83
Regional	R-50	MULTI	1077	11/18/11	Cr	F	CS	—	—	89.4	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.89	50	1.79
Regional	R-50	MULTI	1077	11/18/11	Cr	UF	CS	—	—	95.1	2	µg/L	GELC	—	—	—	SW-846:6020	100	0.95	—	—

*— = None.

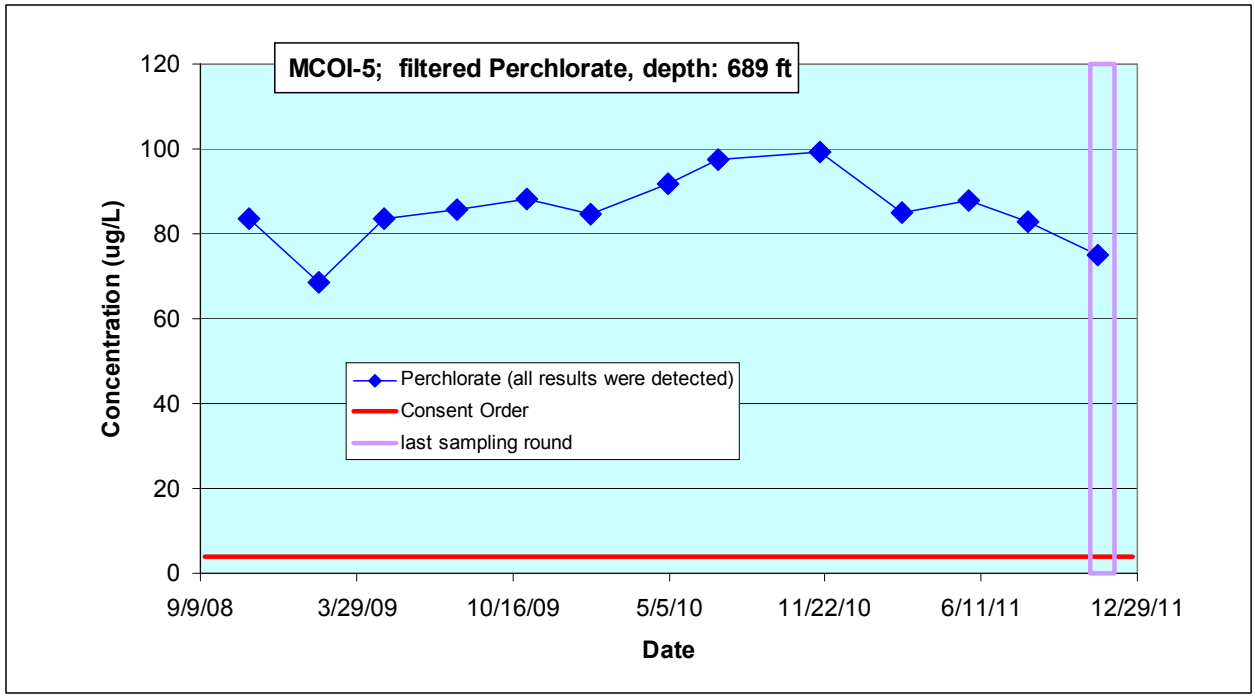
Table D-7
Chromium Investigation Monitoring Group Groundwater Organic Chemistry

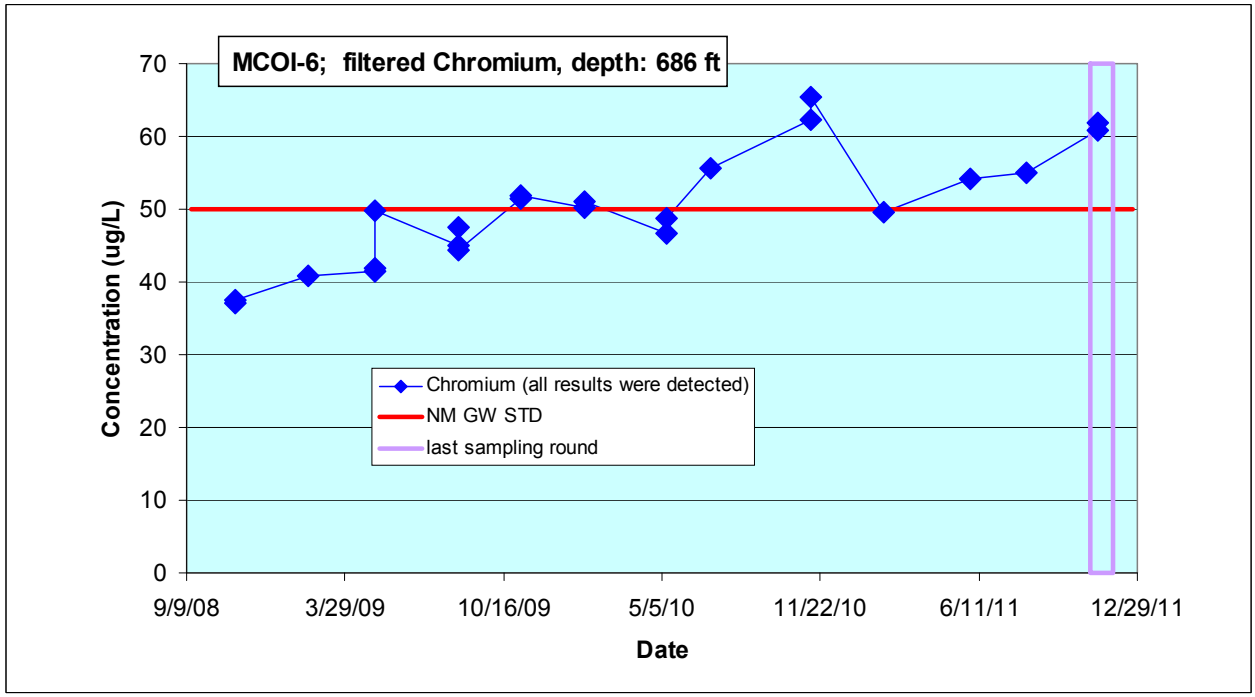
Zone	Location	Well Class	Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	SCI-1	SINGLE	358.4	11/16/11	—*	UF	CS	VOA	Chloroform	67-66-3	—	0.56	0.25	µg/L	1	HJ	J-	V9	SW-846:8260B	GELC	80	0.01	1.9	0.29	—	—	100	0.01
Intermediate	SCI-2	SINGLE	548	11/14/11	—	UF	CS	VOA	Chloroform	67-66-3	—	0.31	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.16	—	—	100	—
Intermediate	MCOI-5	SINGLE	689	11/08/11	—	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	5.19	3.3	µg/L	1	J	J	SV7c	SW-846:8270C	GELC	—	—	6.7	0.77	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	11/09/11	FD	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	3.39	3.2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	0.57	48	0.07	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	11/09/11	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	3.36	3.1	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	0.56	48	0.07	—	—	—	—-
Intermediate	MCOI-6	SINGLE	686	11/09/11	FD	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	12.1	3.2	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	6.7	1.81	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	11/09/11	—	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	12.1	3.1	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	6.7	1.81	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	11/09/11	FD	UF	CS	VOA	Chloroform	67-66-3	—	0.35	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.18	—	—	100	—
Intermediate	MCOI-6	SINGLE	686	11/09/11	—	UF	CS	VOA	Chloroform	67-66-3	—	0.34	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.18	—	—	100	—
Regional	R-1	SINGLE	1031.1	11/18/11	PEB	UF	CS	DIOX/FUR	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	—	0.00000142	0.00000115	µg/L	1	J	J	J_LAB	SW-846:8290	CFA	0.00003	0.05	0.0000052	0.27	—	—	—	—
Regional	R-1	SINGLE	1031.1	11/18/11	PEB	UF	CS	DIOX/FUR	Tetrachlorodibenzodioxins (Total)	41903-57-5	—	0.00000142	0.00000115	µg/L	1	J	J	J_LAB	SW-846:8290	CFA	—	—	—	—	—	—	—	—
Regional	R-28	SINGLE	934.3	11/15/11	—	UF	CS	VOA	Chloromethane	74-87-3	—	0.34	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Regional	R-61	MULTI	1125	11/21/11	—	UF	CS	DRO	Total Petroleum Hydrocarbons Diesel Range Organics	TPH-DRO	—	90.2	54	µg/L	1	J	J	J_LAB	SW-846:8015M_ EXTRACTABLE	GELC	—	—	—	—	—	—	—	—
Regional	R-61	MULTI	1125	11/21/11	FD	UF	CS	VOA	Acetone	67-64-1	—	4.3	3.5	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	22,000	—	—	—
Regional	R-61	MULTI	1125	11/21/11	—	UF	CS	VOA	Acetone	67-64-1	—	3.74	3.5	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	22,000	—	—	—-
Regional	R-61	MULTI	1125	11/21/11	FD	UF	CS	VOA	Toluene	108-88-3	—	0.6	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-61	MULTI	1125	11/21/11	—	UF	CS	VOA	Toluene	108-88-3	—	0.54	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-61	MULTI	1220.4	11/18/11	—	UF	CS	DRO	Total Petroleum Hydrocarbons Diesel Range Organics	TPH-DRO	—	89	53	µg/L	1	J	J	DR12e	SW-846:8015M_ EXTRACTABLE	GELC	—	—	—	—	—	—	—	—
Regional	R-61	MULTI	1220.4	11/18/11	—	UF	CS	VOA	Acetone	67-64-1	—	5.32	3.5	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	22,000	—	—	—
Regional	R-61	MULTI	1220.4	11/18/11	—	UF	CS	VOA	Butanone[2-]	78-93-3	—	2.15	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	7100	—	—	—
Regional	R-61	MULTI	1220.4	11/18/11	—	UF	CS	VOA	Toluene	108-88-3	—	0.4	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—

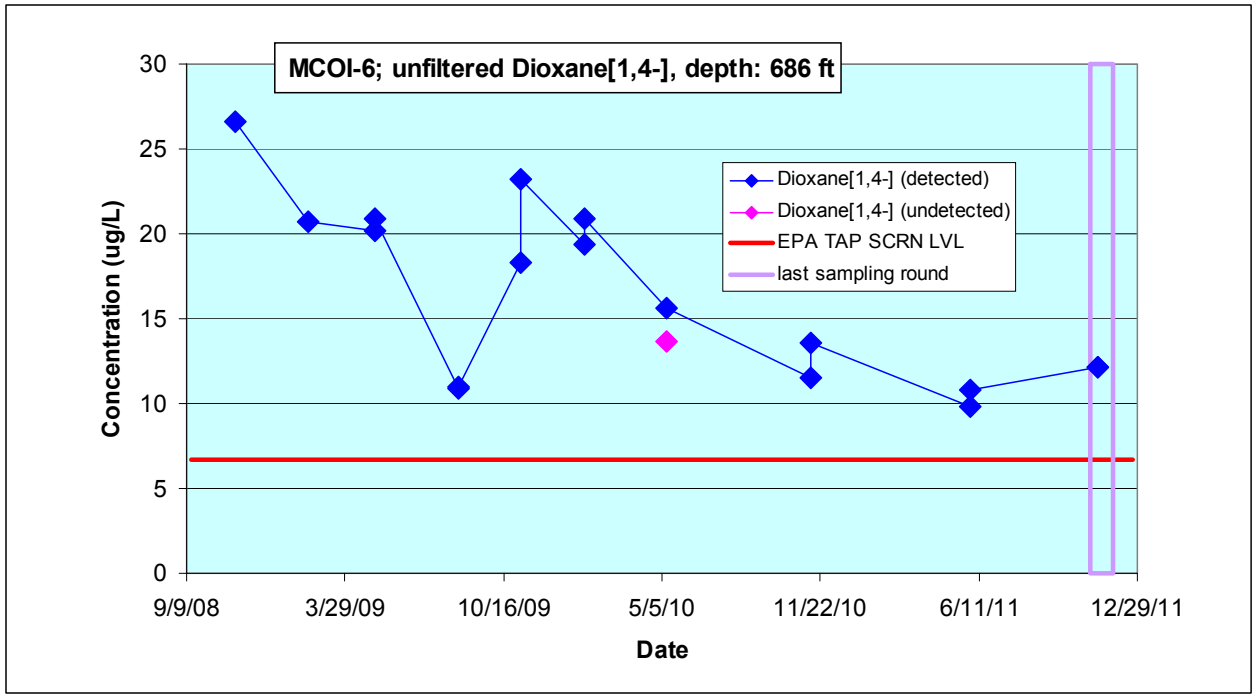
*— = None.

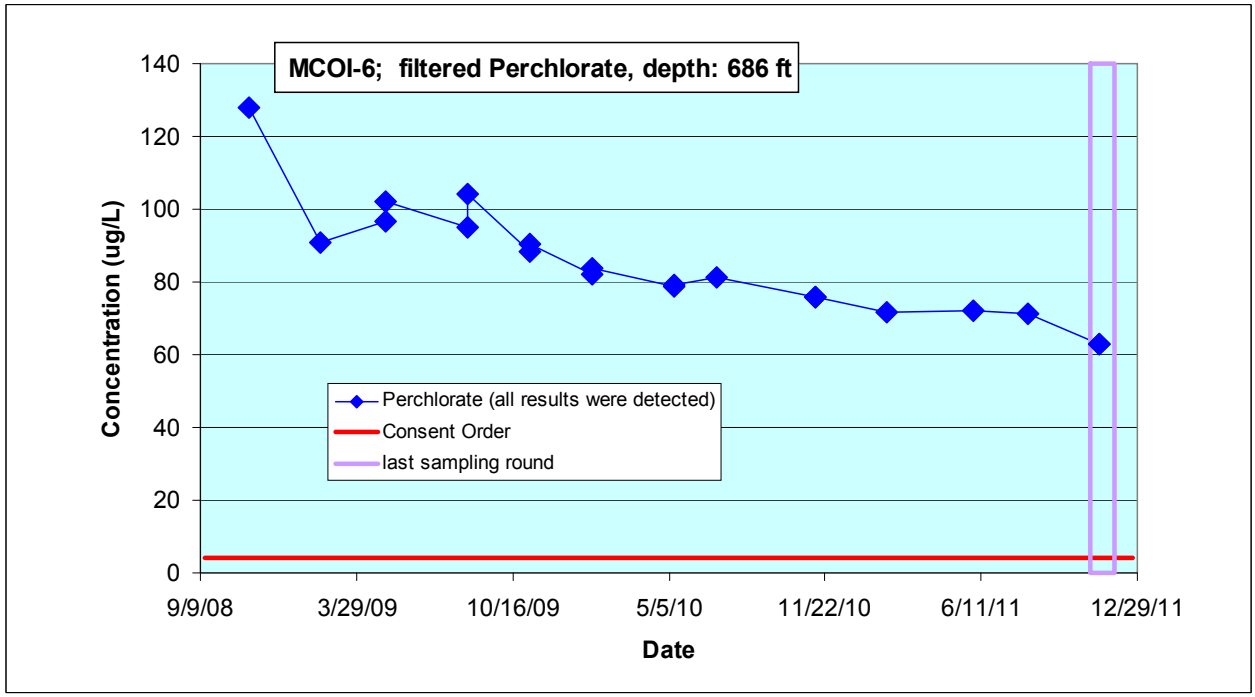
Appendix E

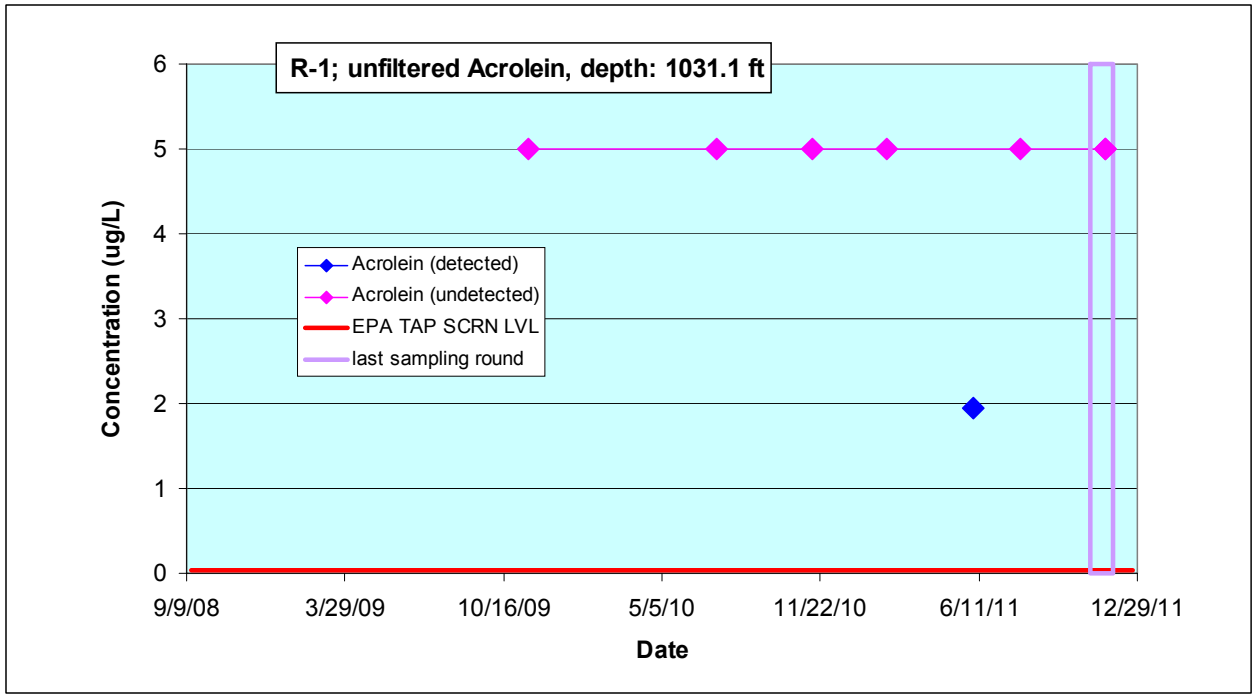
Analytical Chemistry Graphs of Screening-Level Exceedances

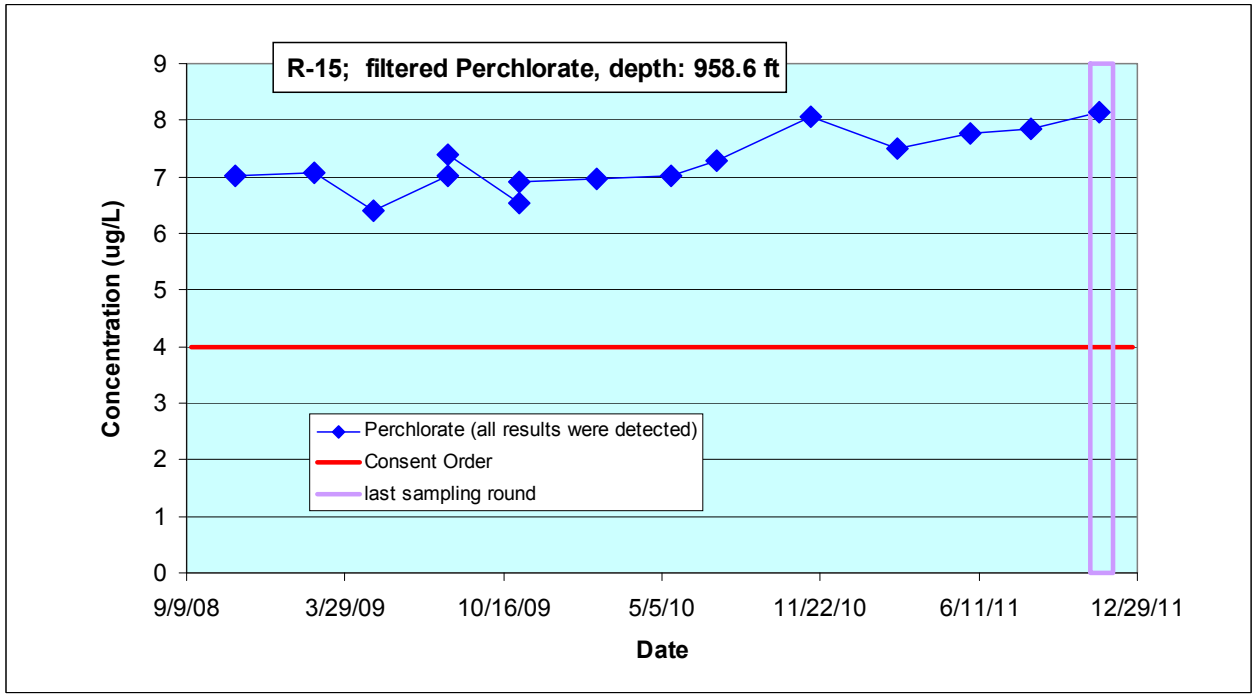

MCOI-5; filtered Perchlorate, depth: 689 ft
Concentration (ug/L)
120
100
80
60
40
20
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

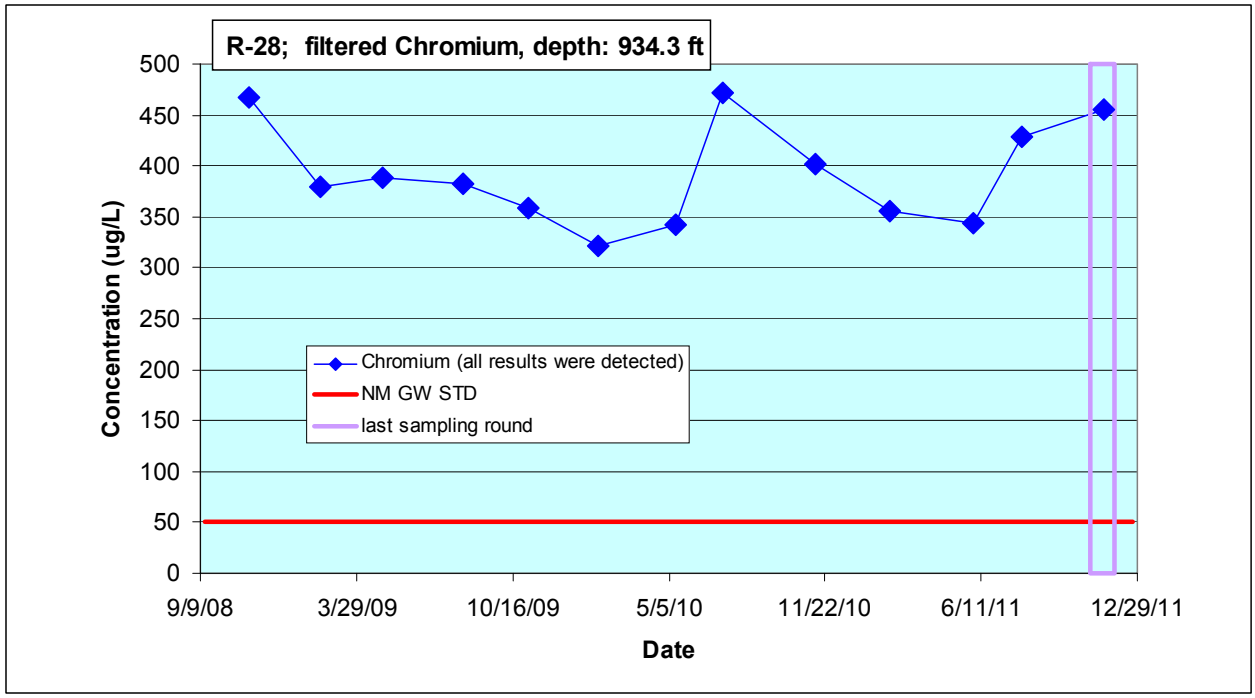

MCOI-6; filtered Chromium, depth: 686 ft
Concentration (ug/L)
70
60
50
40
30
20
10
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Chromium (all results were detected)
NM GW STD
last sampling round

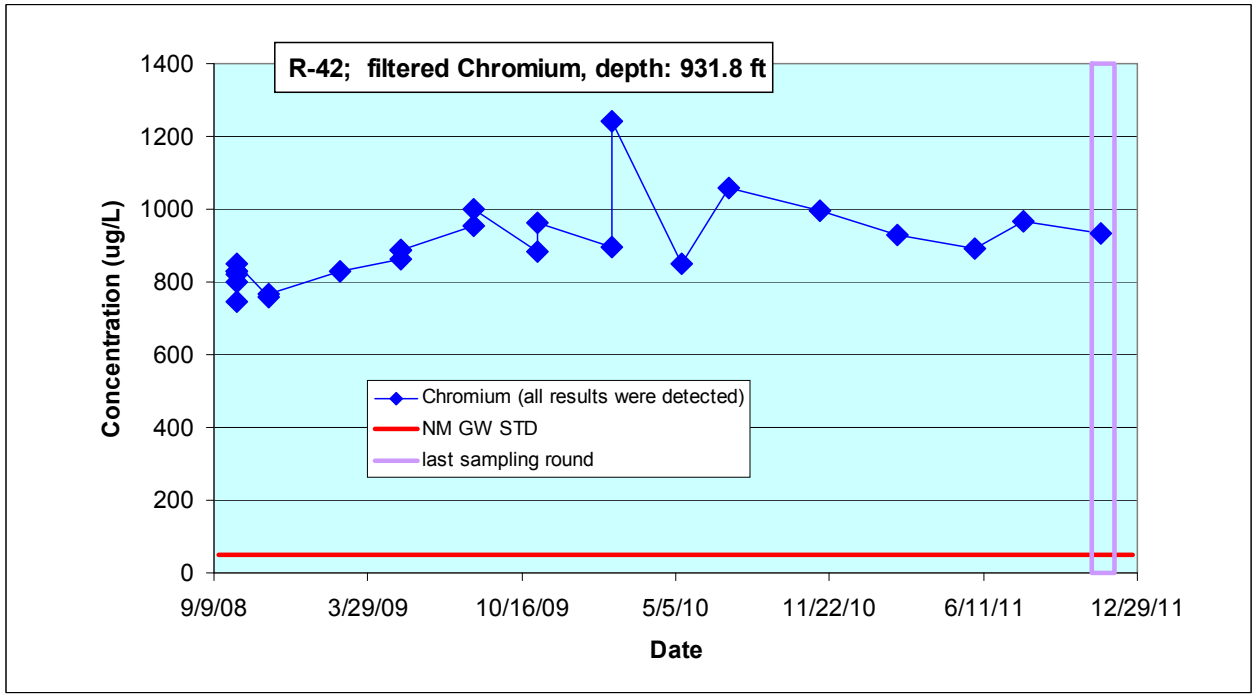

MCOI-6; unfiltered Dioxane[1,4-], depth: 686 ft
Concentration (ug/L)
30
25
20
15
10
5
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Dioxane[1,4-] (detected)
Dioxane[1,4-] (undetected)
EPA TAP SCRN LVL
last sampling round

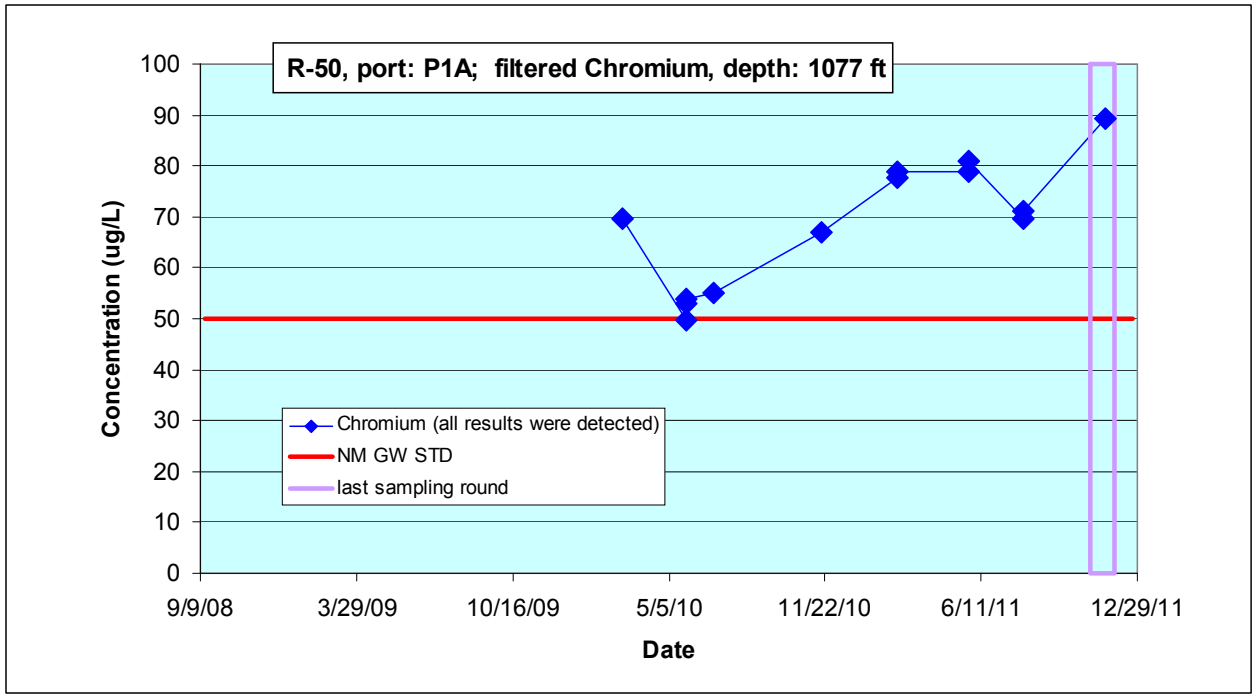

MCOI-6; filtered Perchlorate, depth: 686 ft
Concentration (ug/L)
140
120
100
80
60
40
20
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

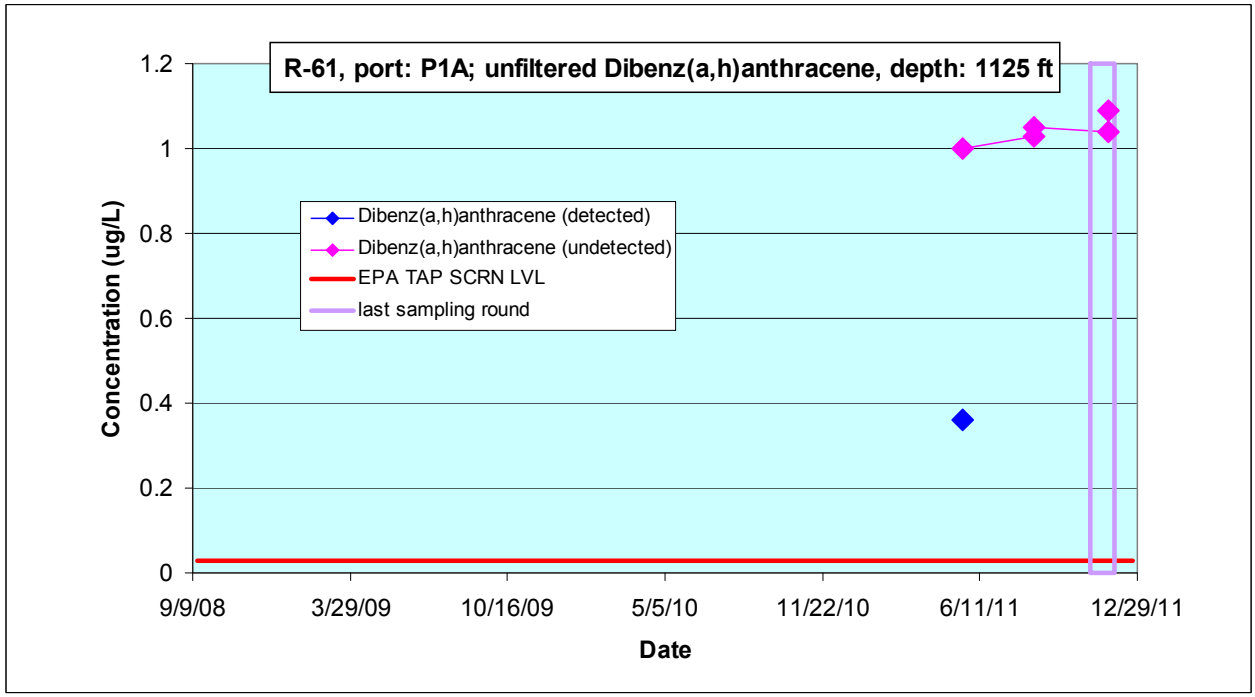

R-1; unfiltered Acrolein, depth: 1031.1 ft
Concentration (ug/L)
0
1
2
3
4
5
6
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Acrolein (detected)
Acrolein (undetected)
EPA TAP SCRN LVL
last sampling round

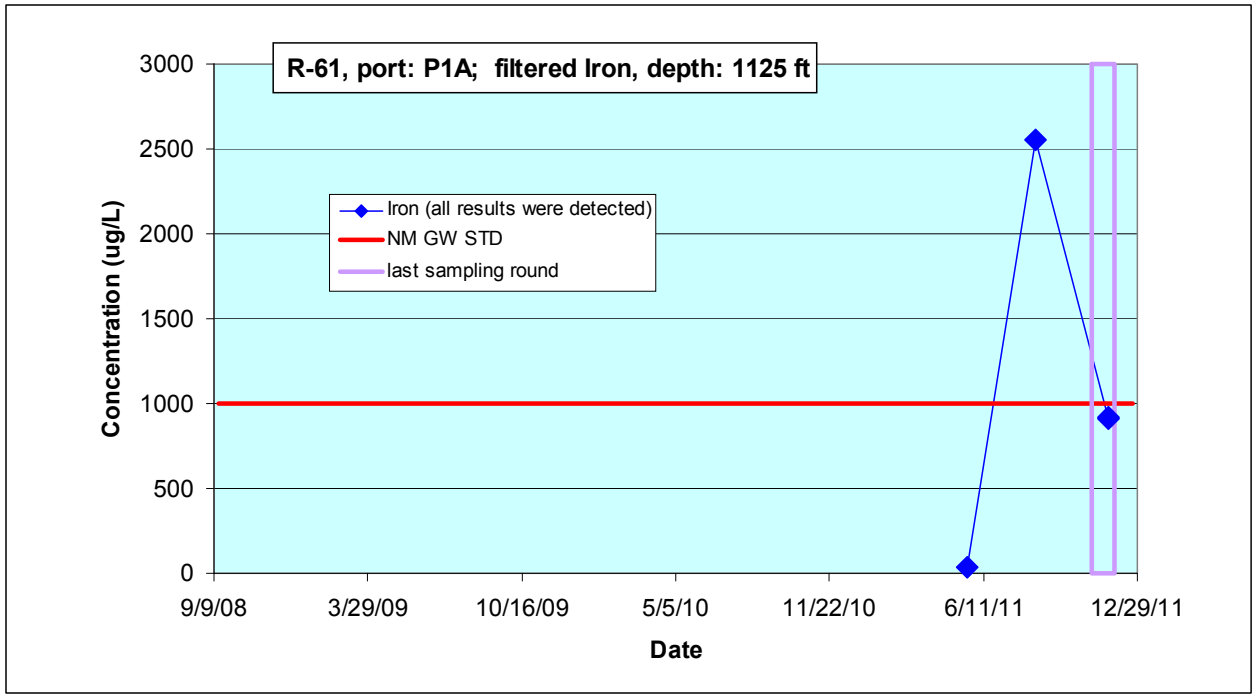

R-15; filtered Perchlorate, depth: 958.6 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

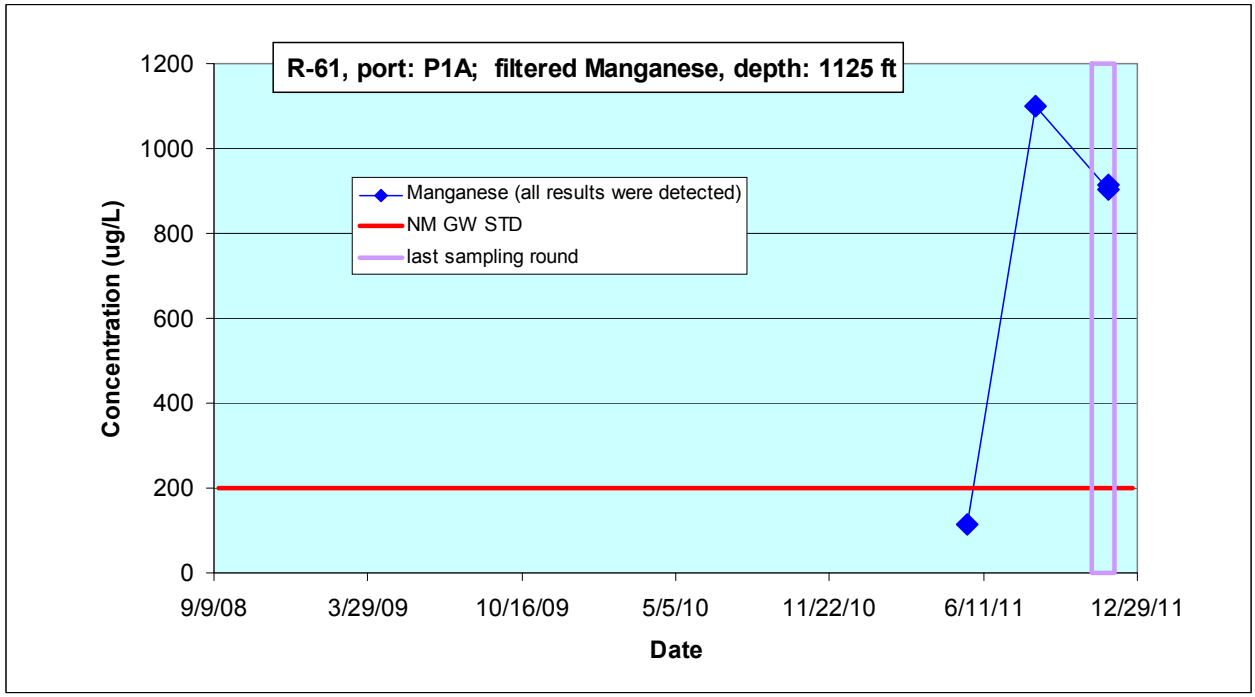

R-28; filtered Chromium, depth: 934.3 ft
Concentration (ug/L)
500
450
400
350
300
250
200
150
100
50
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Chromium (all results were detected)
NM GW STD
last sampling round

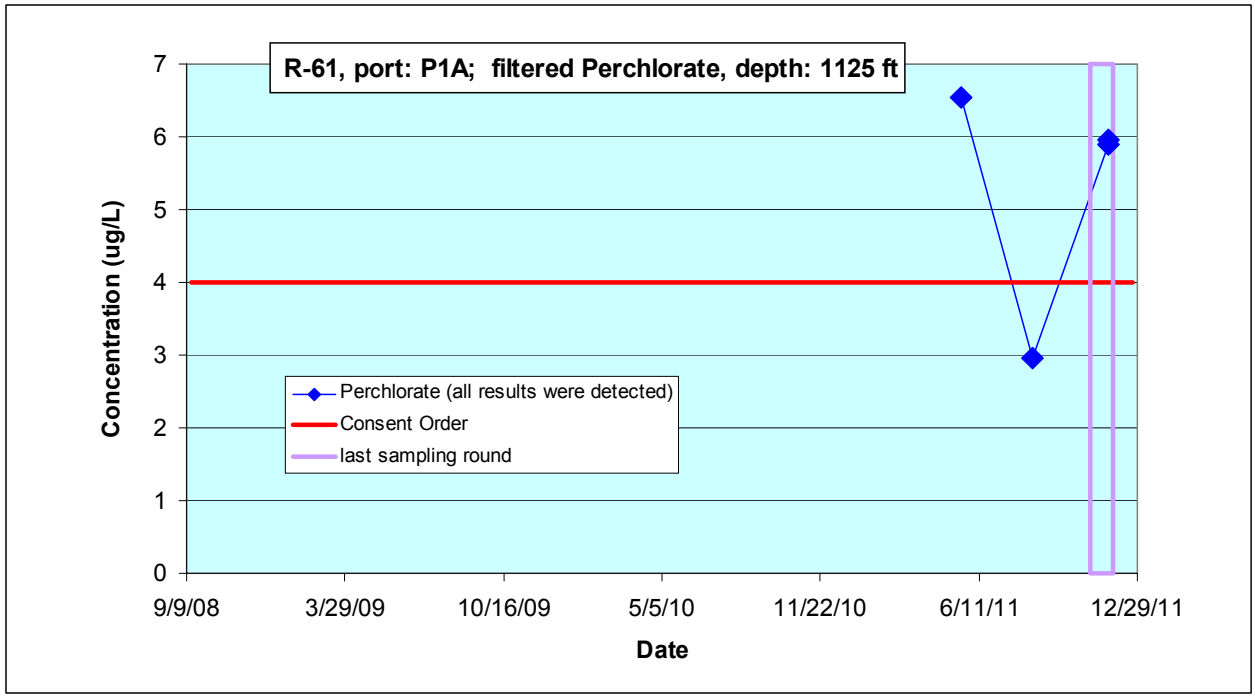

R-42; filtered Chromium, depth: 931.8 ft
Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Chromium (all results were detected)
NM GW STD
last sampling round

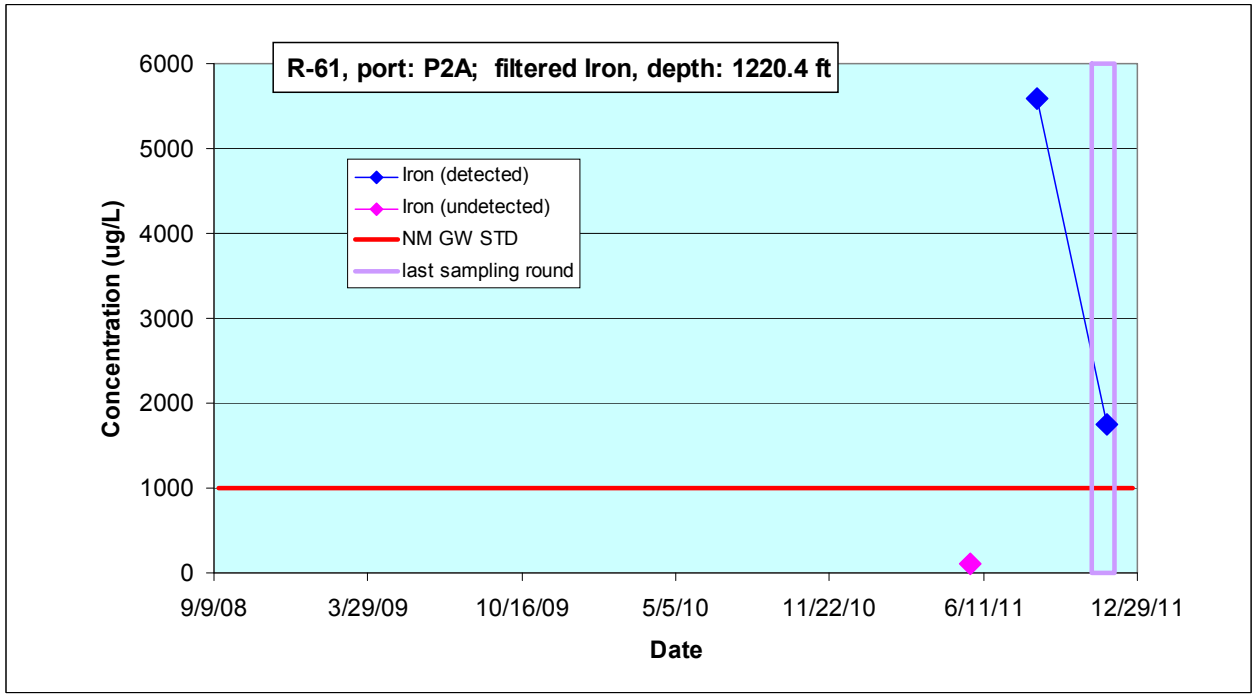

R-50, port: P1A; filtered Chromium, depth: 1077 ft
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Chromium (all results were detected)
NM GW STD
last sampling round

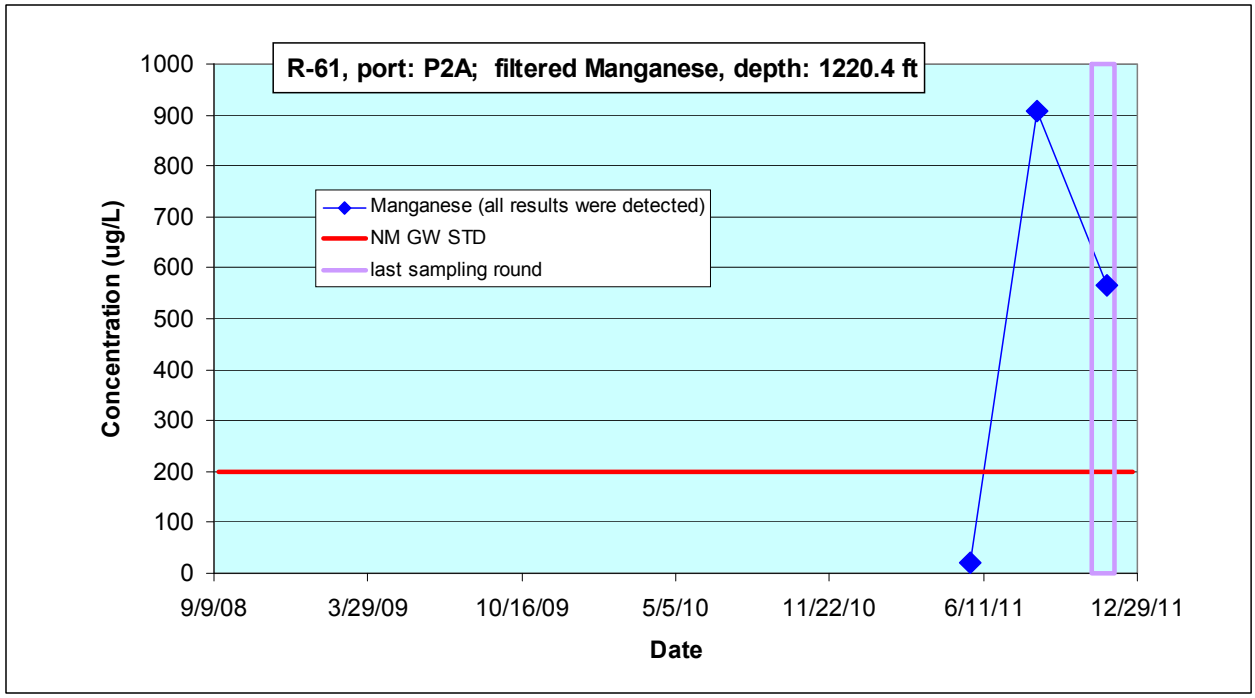

R-61, port: P1A; unfiltered Dibenz(a,h)anthracene, depth: 1125 ft
Concentration (ug/L)
1.2
1
0.8
0.6
0.4
0.2
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Dibenz(a,h)anthracene (detected)
Dibenz(a,h)anthracene (undetected)
EPA TAP SCRN LVL
last sampling round

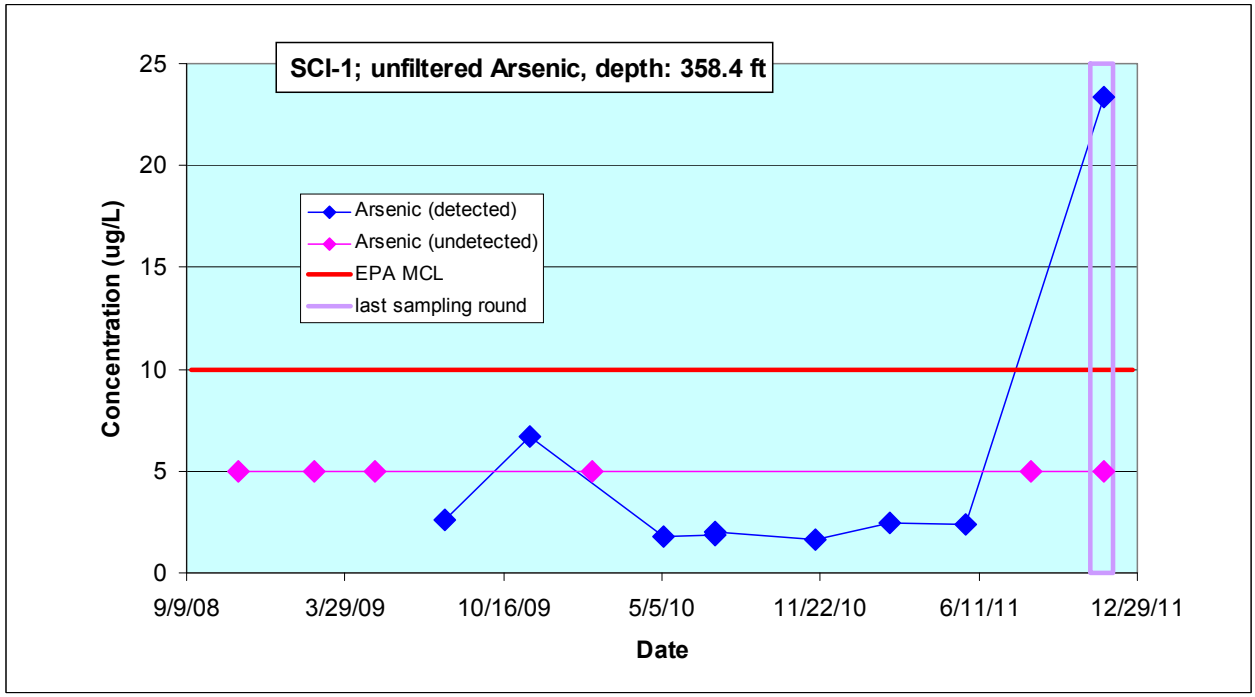

R-61, port: P1A; filtered Iron, depth: 1125 ft
Iron (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date

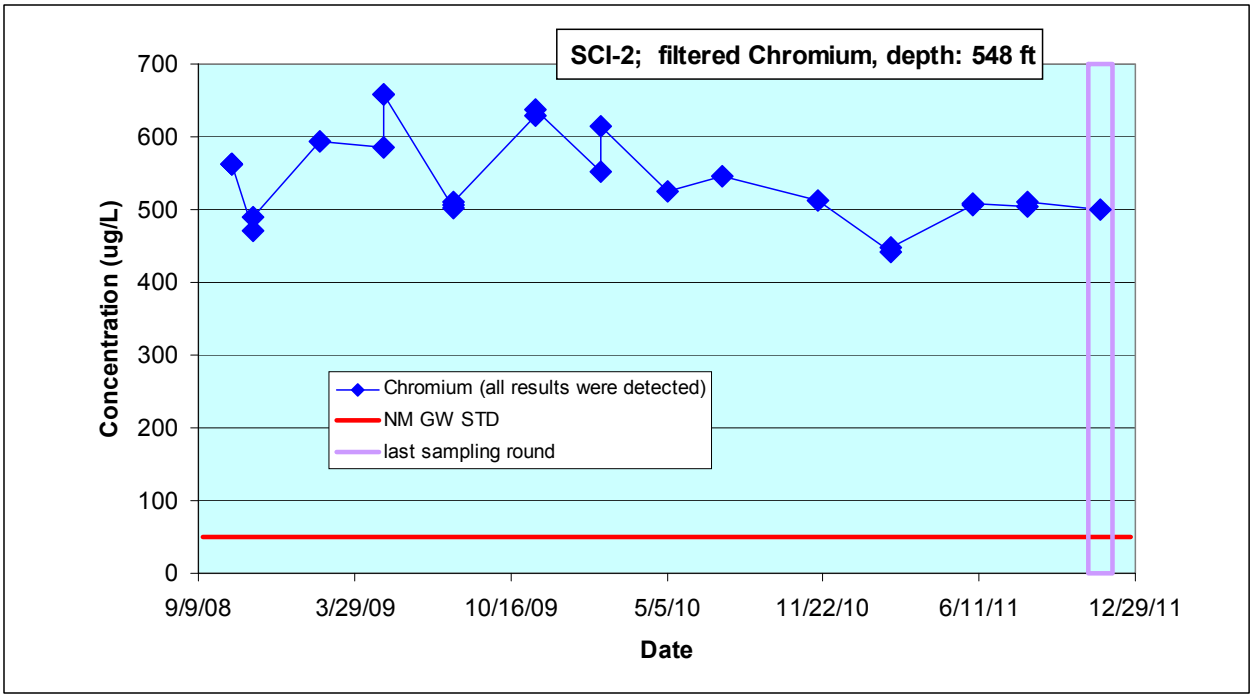

R-61, port: P1A; filtered Manganese, depth: 1125 ft
Manganese (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
1200
1000
800
600
400
200
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date


R-61, port: P1A; filtered Perchlorate, depth: 1125 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Perchlorate (all results were detected)
Consent Order
last sampling round


R-61, port: P2A; filtered Iron, depth: 1220.4 ft
Concentration (ug/L)
0
1000
2000
3000
4000
5000
6000
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Iron (detected)
Iron (undetected)
NM GW STD
last sampling round


R-61, port: P2A; filtered Manganese, depth: 1220.4 ft
Manganese (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
1000
900
800
700
600
500
400
300
200
100
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date


SCI-1; unfiltered Arsenic, depth: 358.4 ft
Arsenic (detected)
Arsenic (undetected)
EPA MCL
last sampling round
Concentration (ug/L)
25
20
15
10
5
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date


SCI-2; filtered Chromium, depth: 548 ft
Concentration (ug/L)
700
600
500
400
300
200
100
0
9/9/08
3/29/09
10/16/09
5/5/10
11/22/10
6/11/11
12/29/11
Date
Chromium (all results were detected)
NM GW STD
last sampling round

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-292	GENINORG[a]	GELC[b]	CAMO-12-1465	11/08/11	MCOI-5	689
12-292	GENINORG	GELC	CAMO-12-1466	11/08/11	MCOI-5	689
12-292	METALS	GELC	CAMO-12-1465	11/08/11	MCOI-5	689
12-292	METALS	GELC	CAMO-12-1466	11/08/11	MCOI-5	689
12-292	RAD[c]	GELC	CAMO-12-1465	11/08/11	MCOI-5	689
12-292	SVOA[d]	GELC	CAMO-12-1465	11/08/11	MCOI-5	689
12-292	VOA[e]	GELC	CAMO-12-1464	11/08/11	MCOI-5	689
12-292	VOA	GELC	CAMO-12-1465	11/08/11	MCOI-5	689
12-306	RAD	$ARSL_f$	CASA-12-1387	11/09/11	R-35b	825.4
12-310	DIOX/FUR[g]	CFA[h]	CAMO-12-1470	11/09/11	MCOI-6	686
12-312	GENINORG	GELC	CAMO-12-1467	11/09/11	MCOI-6	686
12-312	GENINORG	GELC	CAMO-12-1468	11/09/11	MCOI-6	686
12-312	GENINORG	GELC	CAMO-12-1471	11/09/11	MCOI-6	686
12-312	GENINORG	GELC	CAMO-12-1472	11/09/11	MCOI-6	686
12-312	METALS	GELC	CAMO-12-1467	11/09/11	MCOI-6	686
12-312	METALS	GELC	CAMO-12-1468	11/09/11	MCOI-6	686
12-312	METALS	GELC	CAMO-12-1471	11/09/11	MCOI-6	686
12-312	METALS	GELC	CAMO-12-1472	11/09/11	MCOI-6	686
12-312	RAD	GELC	CAMO-12-1468	11/09/11	MCOI-6	686
12-312	RAD	GELC	CAMO-12-1471	11/09/11	MCOI-6	686
12-313	PEST/PCB[i]	GELC	CAMO-12-1470	11/09/11	MCOI-6	686
12-313	SVOA	GELC	CAMO-12-1468	11/09/11	MCOI-6	686
12-313	SVOA	GELC	CAMO-12-1470	11/09/11	MCOI-6	686
12-313	SVOA	GELC	CAMO-12-1471	11/09/11	MCOI-6	686
12-313	VOA	GELC	CAMO-12-1468	11/09/11	MCOI-6	686
12-313	VOA	GELC	CAMO-12-1469	11/09/11	MCOI-6	686
12-313	VOA	GELC	CAMO-12-1470	11/09/11	MCOI-6	686
12-313	VOA	GELC	CAMO-12-1471	11/09/11	MCOI-6	686
12-317	GENINORG	GELC	CASA-12-1386	11/09/11	R-35b	825.4
12-317	GENINORG	GELC	CASA-12-1387	11/09/11	R-35b	825.4
12-317	METALS	GELC	CASA-12-1386	11/09/11	R-35b	825.4
12-317	METALS	GELC	CASA-12-1387	11/09/11	R-35b	825.4
12-317	RAD	GELC	CASA-12-1387	11/09/11	R-35b	825.4
12-318	SVOA	GELC	CASA-12-1387	11/09/11	R-35b	825.4
12-318	VOA	GELC	CASA-12-1385	11/09/11	R-35b	825.4
12-318	VOA	GELC	CASA-12-1387	11/09/11	R-35b	825.4
12-323	GENINORG	GELC	CAMO-12-1483	11/10/11	R-15	958.6
12-323	GENINORG	GELC	CAMO-12-1485	11/10/11	R-15	958.6
12-323	GENINORG	GELC	CAMO-12-1490	11/10/11	R-42	931.8

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-323	GENINORG	GELC	CAMO-12-1491	11/10/11	R-42	931.8
12-323	METALS	GELC	CAMO-12-1483	11/10/11	R-15	958.6
12-323	METALS	GELC	CAMO-12-1485	11/10/11	R-15	958.6
12-323	METALS	GELC	CAMO-12-1490	11/10/11	R-42	931.8
12-323	METALS	GELC	CAMO-12-1491	11/10/11	R-42	931.8
12-323	RAD	GELC	CAMO-12-1485	11/10/11	R-15	958.6
12-323	RAD	GELC	CAMO-12-1491	11/10/11	R-42	931.8
12-323	SVOA	GELC	CAMO-12-1485	11/10/11	R-15	958.6
12-323	SVOA	GELC	CAMO-12-1491	11/10/11	R-42	931.8
12-323	VOA	GELC	CAMO-12-1484	11/10/11	R-15	958.6
12-323	VOA	GELC	CAMO-12-1485	11/10/11	R-15	958.6
12-323	VOA	GELC	CAMO-12-1489	11/10/11	R-42	931.8
12-323	VOA	GELC	CAMO-12-1491	11/10/11	R-42	931.8
12-331	GENINORG	GELC	CASA-12-1376	11/14/11	SCI-2	548
12-331	GENINORG	GELC	CASA-12-1378	11/14/11	SCI-2	548
12-331	METALS	GELC	CASA-12-1376	11/14/11	SCI-2	548
12-331	METALS	GELC	CASA-12-1378	11/14/11	SCI-2	548
12-331	RAD	GELC	CASA-12-1376	11/14/11	SCI-2	548
12-331	SVOA	GELC	CASA-12-1376	11/14/11	SCI-2	548
12-331	VOA	GELC	CASA-12-1376	11/14/11	SCI-2	548
12-331	VOA	GELC	CASA-12-1377	11/14/11	SCI-2	548
12-341	GENINORG	GELC	CAMO-12-1486	11/15/11	R-28	934.3
12-341	GENINORG	GELC	CAMO-12-1487	11/15/11	R-28	934.3
12-341	METALS	GELC	CAMO-12-1486	11/15/11	R-28	934.3
12-341	METALS	GELC	CAMO-12-1487	11/15/11	R-28	934.3
12-341	RAD	GELC	CAMO-12-1486	11/15/11	R-28	934.3
12-341	SVOA	GELC	CAMO-12-1486	11/15/11	R-28	934.3
12-341	VOA	GELC	CAMO-12-1486	11/15/11	R-28	934.3
12-341	VOA	GELC	CAMO-12-1488	11/15/11	R-28	934.3
12-342	RAD	ARSL	CAMO-12-1485	11/10/11	R-15	958.6
12-345	GENINORG	GELC	CASA-12-1391	11/15/11	R-43	903.9
12-345	GENINORG	GELC	CASA-12-1396	11/15/11	R-43	969.1
12-345	GENINORG	GELC	CASA-12-1397	11/15/11	R-43	969.1
12-345	SVOA	GELC	CASA-12-1391	11/15/11	R-43	903.9
12-345	SVOA	GELC	CASA-12-1396	11/15/11	R-43	969.1
12-345	SVOA	GELC	CASA-12-1397	11/15/11	R-43	969.1
12-345	SVOA	GELC	CASA-12-1399	11/15/11	R-43	969.1
12-345	VOA	GELC	CASA-12-1391	11/15/11	R-43	903.9
12-345	VOA	GELC	CASA-12-1392	11/15/11	R-43	903.9
12-345	VOA	GELC	CASA-12-1394	11/15/11	R-43	969.1

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-345	VOA	GELC	CASA-12-1396	11/15/11	R-43	969.1
12-345	VOA	GELC	CASA-12-1397	11/15/11	R-43	969.1
12-345	VOA	GELC	CASA-12-1399	11/15/11	R-43	969.1
12-346	GENINORG	GELC	CASA-12-1391	11/15/11	R-43	903.9
12-346	GENINORG	GELC	CASA-12-1393	11/15/11	R-43	903.9
12-346	GENINORG	GELC	CASA-12-1395	11/15/11	R-43	969.1
12-346	GENINORG	GELC	CASA-12-1396	11/15/11	R-43	969.1
12-346	GENINORG	GELC	CASA-12-1397	11/15/11	R-43	969.1
12-346	GENINORG	GELC	CASA-12-1398	11/15/11	R-43	969.1
12-346	METALS	GELC	CASA-12-1391	11/15/11	R-43	903.9
12-346	METALS	GELC	CASA-12-1393	11/15/11	R-43	903.9
12-346	METALS	GELC	CASA-12-1395	11/15/11	R-43	969.1
12-346	METALS	GELC	CASA-12-1396	11/15/11	R-43	969.1
12-346	METALS	GELC	CASA-12-1397	11/15/11	R-43	969.1
12-346	METALS	GELC	CASA-12-1398	11/15/11	R-43	969.1
12-346	RAD	GELC	CASA-12-1391	11/15/11	R-43	903.9
12-346	RAD	GELC	CASA-12-1396	11/15/11	R-43	969.1
12-347	RAD	ARSL	CASA-12-1391	11/15/11	R-43	903.9
12-347	RAD	ARSL	CASA-12-1396	11/15/11	R-43	969.1
12-347	RAD	ARSL	CASA-12-1397	11/15/11	R-43	969.1
12-352	GENINORG	GELC	CASA-12-1373	11/16/11	SCI-1	358.4
12-352	GENINORG	GELC	CASA-12-1374	11/16/11	SCI-1	358.4
12-352	METALS	GELC	CASA-12-1373	11/16/11	SCI-1	358.4
12-352	METALS	GELC	CASA-12-1374	11/16/11	SCI-1	358.4
12-352	RAD	GELC	CASA-12-1373	11/16/11	SCI-1	358.4
12-352	SVOA	GELC	CASA-12-1373	11/16/11	SCI-1	358.4
12-352	VOA	GELC	CASA-12-1373	11/16/11	SCI-1	358.4
12-352	VOA	GELC	CASA-12-1375	11/16/11	SCI-1	358.4
12-353	RAD	ARSL	CASA-12-1373	11/16/11	SCI-1	358.4
12-362	GENINORG	GELC	CAMO-12-1494	11/16/11	R-45	880
12-362	GENINORG	GELC	CAMO-12-1497	11/16/11	R-45	974.9
12-362	SVOA	GELC	CAMO-12-1494	11/16/11	R-45	880
12-362	SVOA	GELC	CAMO-12-1497	11/16/11	R-45	974.9
12-362	VOA	GELC	CAMO-12-1493	11/16/11	R-45	880
12-362	VOA	GELC	CAMO-12-1494	11/16/11	R-45	880
12-362	VOA	GELC	CAMO-12-1495	11/16/11	R-45	974.9
12-362	VOA	GELC	CAMO-12-1497	11/16/11	R-45	974.9
12-363	GENINORG	GELC	CAMO-12-1492	11/16/11	R-45	880
12-363	GENINORG	GELC	CAMO-12-1494	11/16/11	R-45	880
12-363	GENINORG	GELC	CAMO-12-1496	11/16/11	R-45	974.9

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-363	GENINORG	GELC	CAMO-12-1497	11/16/11	R-45	974.9
12-363	METALS	GELC	CAMO-12-1492	11/16/11	R-45	880
12-363	METALS	GELC	CAMO-12-1494	11/16/11	R-45	880
12-363	METALS	GELC	CAMO-12-1496	11/16/11	R-45	974.9
12-363	METALS	GELC	CAMO-12-1497	11/16/11	R-45	974.9
12-363	RAD	GELC	CAMO-12-1494	11/16/11	R-45	880
12-363	RAD	GELC	CAMO-12-1497	11/16/11	R-45	974.9
12-365	GENINORG	GELC	CASA-12-1379	11/16/11	R-11	855
12-365	GENINORG	GELC	CASA-12-1388	11/16/11	R-36	766.9
12-365	SVOA	GELC	CASA-12-1379	11/16/11	R-11	855
12-365	SVOA	GELC	CASA-12-1388	11/16/11	R-36	766.9
12-365	VOA	GELC	CASA-12-1379	11/16/11	R-11	855
12-365	VOA	GELC	CASA-12-1381	11/16/11	R-11	855
12-365	VOA	GELC	CASA-12-1388	11/16/11	R-36	766.9
12-365	VOA	GELC	CASA-12-1389	11/16/11	R-36	766.9
12-366	GENINORG	GELC	CASA-12-1379	11/16/11	R-11	855
12-366	GENINORG	GELC	CASA-12-1380	11/16/11	R-11	855
12-366	GENINORG	GELC	CASA-12-1388	11/16/11	R-36	766.9
12-366	GENINORG	GELC	CASA-12-1390	11/16/11	R-36	766.9
12-366	METALS	GELC	CASA-12-1379	11/16/11	R-11	855
12-366	METALS	GELC	CASA-12-1380	11/16/11	R-11	855
12-366	METALS	GELC	CASA-12-1388	11/16/11	R-36	766.9
12-366	METALS	GELC	CASA-12-1390	11/16/11	R-36	766.9
12-366	RAD	GELC	CASA-12-1379	11/16/11	R-11	855
12-374	GENINORG	GELC	CASA-12-1383	11/17/11	R-35a	1013.1
12-374	GENINORG	GELC	CASA-12-1384	11/17/11	R-35a	1013.1
12-374	METALS	GELC	CASA-12-1383	11/17/11	R-35a	1013.1
12-374	METALS	GELC	CASA-12-1384	11/17/11	R-35a	1013.1
12-374	RAD	GELC	CASA-12-1383	11/17/11	R-35a	1013.1
12-374	SVOA	GELC	CASA-12-1383	11/17/11	R-35a	1013.1
12-374	VOA	GELC	CASA-12-1382	11/17/11	R-35a	1013.1
12-374	VOA	GELC	CASA-12-1383	11/17/11	R-35a	1013.1
12-377	GENINORG	GELC	CAMO-12-1500	11/17/11	R-44	895
12-377	GENINORG	GELC	CAMO-12-1502	11/17/11	R-44	985.3
12-377	SVOA	GELC	CAMO-12-1500	11/17/11	R-44	895
12-377	SVOA	GELC	CAMO-12-1502	11/17/11	R-44	985.3
12-377	VOA	GELC	CAMO-12-1499	11/17/11	R-44	895
12-377	VOA	GELC	CAMO-12-1500	11/17/11	R-44	895
12-377	VOA	GELC	CAMO-12-1502	11/17/11	R-44	985.3
12-377	VOA	GELC	CAMO-12-1503	11/17/11	R-44	985.3

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-378	GENINORG	GELC	CAMO-12-1498	11/17/11	R-44	895
12-378	GENINORG	GELC	CAMO-12-1500	11/17/11	R-44	895
12-378	GENINORG	GELC	CAMO-12-1501	11/17/11	R-44	985.3
12-378	GENINORG	GELC	CAMO-12-1502	11/17/11	R-44	985.3
12-378	METALS	GELC	CAMO-12-1498	11/17/11	R-44	895
12-378	METALS	GELC	CAMO-12-1500	11/17/11	R-44	895
12-378	METALS	GELC	CAMO-12-1501	11/17/11	R-44	985.3
12-378	METALS	GELC	CAMO-12-1502	11/17/11	R-44	985.3
12-378	RAD	GELC	CAMO-12-1500	11/17/11	R-44	895
12-378	RAD	GELC	CAMO-12-1502	11/17/11	R-44	985.3
12-383	GENINORG	GELC	CAMO-12-1474	11/18/11	R-1	1031.1
12-383	GENINORG	GELC	CAMO-12-1476	11/18/11	R-1	1031.1
12-383	GENINORG	GELC	CAMO-12-1479	11/18/11	R-1	1031.1
12-383	GENINORG	GELC	CAMO-12-1505	11/18/11	R-50	1077
12-383	HEXP[j]	GELC	CAMO-12-1479	11/18/11	R-1	1031.1
12-383	PEST/PCB	GELC	CAMO-12-1477	11/18/11	R-1	1031.1
12-383	PEST/PCB	GELC	CAMO-12-1479	11/18/11	R-1	1031.1
12-383	SVOA	GELC	CAMO-12-1474	11/18/11	R-1	1031.1
12-383	SVOA	GELC	CAMO-12-1476	11/18/11	R-1	1031.1
12-383	SVOA	GELC	CAMO-12-1479	11/18/11	R-1	1031.1
12-383	SVOA	GELC	CAMO-12-1505	11/18/11	R-50	1077
12-383	VOA	GELC	CAMO-12-1473	11/18/11	R-1	1031.1
12-383	VOA	GELC	CAMO-12-1474	11/18/11	R-1	1031.1
12-383	VOA	GELC	CAMO-12-1476	11/18/11	R-1	1031.1
12-383	VOA	GELC	CAMO-12-1477	11/18/11	R-1	1031.1
12-383	VOA	GELC	CAMO-12-1479	11/18/11	R-1	1031.1
12-383	VOA	GELC	CAMO-12-1505	11/18/11	R-50	1077
12-383	VOA	GELC	CAMO-12-1506	11/18/11	R-50	1077
12-384	GENINORG	GELC	CAMO-12-1474	11/18/11	R-1	1031.1
12-384	GENINORG	GELC	CAMO-12-1475	11/18/11	R-1	1031.1
12-384	GENINORG	GELC	CAMO-12-1476	11/18/11	R-1	1031.1
12-384	GENINORG	GELC	CAMO-12-1478	11/18/11	R-1	1031.1
12-384	GENINORG	GELC	CAMO-12-1479	11/18/11	R-1	1031.1
12-384	GENINORG	GELC	CAMO-12-1504	11/18/11	R-50	1077
12-384	GENINORG	GELC	CAMO-12-1505	11/18/11	R-50	1077
12-384	METALS	GELC	CAMO-12-1474	11/18/11	R-1	1031.1
12-384	METALS	GELC	CAMO-12-1475	11/18/11	R-1	1031.1
12-384	METALS	GELC	CAMO-12-1476	11/18/11	R-1	1031.1
12-384	METALS	GELC	CAMO-12-1478	11/18/11	R-1	1031.1
12-384	METALS	GELC	CAMO-12-1479	11/18/11	R-1	1031.1

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-384	METALS	GELC	CAMO-12-1504	11/18/11	R-50	1077
12-384	METALS	GELC	CAMO-12-1505	11/18/11	R-50	1077
12-384	RAD	GELC	CAMO-12-1474	11/18/11	R-1	1031.1
12-384	RAD	GELC	CAMO-12-1479	11/18/11	R-1	1031.1
12-384	RAD	GELC	CAMO-12-1505	11/18/11	R-50	1077
12-387	DIOX/FUR	CFA	CAMO-12-1477	11/18/11	R-1	1031.1
12-387	DIOX/FUR	CFA	CAMO-12-1479	11/18/11	R-1	1031.1
12-398	DRO[k]	GELC	CAMO-12-1516	11/18/11	R-61	1220.4
12-398	GENINORG	GELC	CAMO-12-1516	11/18/11	R-61	1220.4
12-398	GRO[i]	GELC	CAMO-12-1516	11/18/11	R-61	1220.4
12-398	SVOA	GELC	CAMO-12-1516	11/18/11	R-61	1220.4
12-398	VOA	GELC	CAMO-12-1516	11/18/11	R-61	1220.4
12-398	VOA	GELC	CAMO-12-1517	11/18/11	R-61	1220.4
12-399	GENINORG	GELC	CAMO-12-1516	11/18/11	R-61	1220.4
12-399	GENINORG	GELC	CAMO-12-1518	11/18/11	R-61	1220.4
12-399	HEXP	GELC	CAMO-12-1516	11/18/11	R-61	1220.4
12-399	METALS	GELC	CAMO-12-1516	11/18/11	R-61	1220.4
12-399	METALS	GELC	CAMO-12-1518	11/18/11	R-61	1220.4
12-399	PEST/PCB	GELC	CAMO-12-1516	11/18/11	R-61	1220.4
12-399	RAD	GELC	CAMO-12-1516	11/18/11	R-61	1220.4
12-402	DIOX/FUR	CFA	CAMO-12-1516	11/18/11	R-61	1220.4
12-411	GENINORG	GELC	CAMO-12-1513	11/21/11	R-61	1125
12-411	HEXP	GELC	CAMO-12-1513	11/21/11	R-61	1125
12-411	PEST/PCB	GELC	CAMO-12-1513	11/21/11	R-61	1125
12-411	PEST/PCB	GELC	CAMO-12-1514	11/21/11	R-61	1125
12-411	SVOA	GELC	CAMO-12-1513	11/21/11	R-61	1125
12-411	SVOA	GELC	CAMO-12-1514	11/21/11	R-61	1125
12-411	VOA	GELC	CAMO-12-1513	11/21/11	R-61	1125
12-411	VOA	GELC	CAMO-12-1514	11/21/11	R-61	1125
12-412	GENINORG	GELC	CAMO-12-1510	11/21/11	R-61	1125
12-412	GENINORG	GELC	CAMO-12-1511	11/21/11	R-61	1125
12-412	GENINORG	GELC	CAMO-12-1513	11/21/11	R-61	1125
12-412	GENINORG	GELC	CAMO-12-1515	11/21/11	R-61	1125
12-412	HEXP	GELC	CAMO-12-1511	11/21/11	R-61	1125
12-412	METALS	GELC	CAMO-12-1510	11/21/11	R-61	1125
12-412	METALS	GELC	CAMO-12-1511	11/21/11	R-61	1125
12-412	METALS	GELC	CAMO-12-1513	11/21/11	R-61	1125
12-412	METALS	GELC	CAMO-12-1515	11/21/11	R-61	1125
12-412	PEST/PCB	GELC	CAMO-12-1511	11/21/11	R-61	1125
12-412	RAD	GELC	CAMO-12-1511	11/21/11	R-61	1125

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-412	RAD	GELC	CAMO-12-1513	11/21/11	R-61	1125
12-413	DIOX/FUR	CFA	CAMO-12-1511	11/21/11	R-61	1125
12-413	DIOX/FUR	CFA	CAMO-12-1513	11/21/11	R-61	1125
12-413	DIOX/FUR	CFA	CAMO-12-1514	11/21/11	R-61	1125
12-414	RAD	ARSL	CASA-12-1379	11/16/11	R-11	855
12-414	RAD	ARSL	CASA-12-1388	11/16/11	R-36	766.9
12-421	GENINORG	GELC	CAMO-12-1480	11/22/11	R-13	958.3
12-421	GENINORG	GELC	CAMO-12-1482	11/22/11	R-13	958.3
12-421	METALS	GELC	CAMO-12-1480	11/22/11	R-13	958.3
12-421	METALS	GELC	CAMO-12-1482	11/22/11	R-13	958.3
12-421	RAD	GELC	CAMO-12-1480	11/22/11	R-13	958.3
12-421	SVOA	GELC	CAMO-12-1480	11/22/11	R-13	958.3
12-421	VOA	GELC	CAMO-12-1480	11/22/11	R-13	958.3
12-421	VOA	GELC	CAMO-12-1481	11/22/11	R-13	958.3
12-422	RAD	ARSL	CAMO-12-1480	11/22/11	R-13	958.3
12-424	DRO	GELC	CAMO-12-1511	11/21/11	R-61	1125
12-424	GENINORG	GELC	CAMO-12-1511	11/21/11	R-61	1125
12-424	GRO	GELC	CAMO-12-1511	11/21/11	R-61	1125
12-424	SVOA	GELC	CAMO-12-1511	11/21/11	R-61	1125
12-424	VOA	GELC	CAMO-12-1511	11/21/11	R-61	1125
12-424	VOA	GELC	CAMO-12-1512	11/21/11	R-61	1125
12-436	RAD	ARSL	CAMO-12-1474	11/18/11	R-1	1031.1
12-436	RAD	ARSL	CAMO-12-1476	11/18/11	R-1	1031.1
12-436	RAD	ARSL	CAMO-12-1479	11/18/11	R-1	1031.1
12-436	RAD	ARSL	CAMO-12-1494	11/16/11	R-45	880
12-436	RAD	ARSL	CAMO-12-1497	11/16/11	R-45	974.9
12-436	RAD	ARSL	CAMO-12-1500	11/17/11	R-44	895
12-436	RAD	ARSL	CAMO-12-1502	11/17/11	R-44	985.3
12-436	RAD	ARSL	CAMO-12-1505	11/18/11	R-50	1077
12-436	RAD	ARSL	CAMO-12-1509	11/21/11	R-50	1185
12-436	RAD	ARSL	CAMO-12-1511	11/21/11	R-61	1125
12-436	RAD	ARSL	CAMO-12-1513	11/21/11	R-61	1125
12-436	RAD	ARSL	CAMO-12-1516	11/18/11	R-61	1220.4
12-437	RAD	ARSL	CASA-12-1383	11/17/11	R-35a	1013.1
12-440	GENINORG	GELC	CAMO-12-1808	11/28/11	R-50	1185
12-440	GENINORG	GELC	CAMO-12-1809	11/28/11	R-50	1185
12-440	METALS	GELC	CAMO-12-1808	11/28/11	R-50	1185
12-440	METALS	GELC	CAMO-12-1809	11/28/11	R-50	1185
12-440	SVOA	GELC	CAMO-12-1809	11/28/11	R-50	1185
12-440	VOA	GELC	CAMO-12-1809	11/28/11	R-50	1185

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-440	VOA	GELC	CAMO-12-1810	11/28/11	R-50	1185
12-456	RAD	ARSL	CAMO-12-1809	11/28/11	R-50	1185

[a] GENINORG = General inorganics.

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

[c] RAD = Radiochemistry (not gamma).

[d] SVOA = Semivolatile organic analysis.

[e] VOA = Volatile organic analysis.

[f] ARSL = American Radiation Services–Primary.

[g] DIOX/FUR = Dioxins and furans.

[h] CFA = Cape Fear Analytical, LLC.

[i] PEST/PCB = Pesticides/polychlorinated biphenyls.

[j] HEXP = High explosives.

[k] DRO = Diesel range organics.

[l] GRO = Gasoline range organics.