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Periodic Monitoring Report for Technical Area 16 260 Monitoring Group, January 10–January 26, 2012

Prepared by the Environmental Programs Directorate

EP2012-0099

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EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the fiscal year 2012, second quarter, periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Technical Area 16 260 (TA-16 260) Monitoring Group. This PME was conducted pursuant to the 2011 Interim Facility-Wide Groundwater Monitoring Plan, Revision 1, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from January 10 to January 26, 2012, and included monitoring of groundwater wells or well screens, springs, and surface-water locations. 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 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 results from previous sampling of PME surface-water monitoring locations reported in this PMR were above applicable screening levels. No surface-water locations were sampled during the current PME.

Nine groundwater results from previous sampling of PME monitoring locations reported in this PMR were above applicable screening levels. Eighteen results from groundwater samples collected during this PME 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.)
DW	drinking water
EPA	Environmental Protection Agency (U.S.)
F	filtered
GW	groundwater
HE	high explosives
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
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(s)
PME	periodic monitoring event
PMR	periodic monitoring report
PQL	practical quantitation limit
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RPF	Records Processing Facility
SCRN	screening
SOP	standard operating procedure
STD	standard
SU	standard unit
TA	technical area

TNT	2,4,6 trinitrotoluene
UF	unfiltered
VOC	volatile organic compound

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of fiscal year 2012, second quarter, semiannual groundwater and surface-water monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) for the Technical Area 16 260 (TA-16 260) Monitoring Group pursuant to the 2011 Interim Facility-Wide Groundwater Monitoring Plan (IFGMP), Revision 1 (LANL 2011, 208811) prepared in accordance with the Compliance Order on Consent (Consent Order). This periodic monitoring event (PME) occurred from January 10 to January 26, 2012, and included sampling at groundwater wells or well screens, springs, and surface-water locations. 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 these PME results with screening levels 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 TA-16 260 Monitoring Group was established for the upper Water Canyon/Cañon de Valle watershed to monitor contaminants released from Consolidated Unit 16 021(c)-99, the TA-16 260 Outfall (hereafter, the 260 Outfall), and other sites at TA-16. The 260 Outfall is a former high explosives (HE) machining outfall that discharged HE-bearing water to Cañon de Valle for almost 50 yr and is the predominant source of contaminants detected in groundwater in the Water Canyon/Cañon de Valle area. These discharges contaminated soils, sediments, surface waters, spring waters, and intermediate perched and regional groundwater at TA-16.

The TA-16 260 Monitoring Group includes springs, alluvial wells, and wells completed in several deeper intermediate perched groundwater zones and in the regional aquifer. Shallow monitoring locations such as the springs and alluvial wells are included in this monitoring group because they contain HE, barium,

and volatile organic compound (VOC) contamination related to past activities at the 260 Outfall and other sites in the area.

TA-16 is located in the southwest corner of the Laboratory and was established to develop explosive formulations, cast and machine explosive charges, and assemble and test explosive components for the nuclear weapons program. TA-16 is bordered by Bandelier National Monument along NM 4 to the south and by the Santa Fe National Forest along NM 501 to the west. To the north and east, it is bordered by TA-08, TA-09, TA-11, TA-14, TA-15, TA-37, and TA-49. Water Canyon, which is 200 ft deep with steep walls, separates NM 4 from active sites at TA-16. Cañon de Valle forms the northern border of TA-16.

Discharges from the former 260 Outfall during the past 50 yr at Consolidated Unit 16-021(c)-99 served as a primary source of source of HE and inorganic contamination found throughout the site (LANL 1998, 059891; LANL 2003, 085531). Results of the 260 Outfall corrective measures evaluation (LANL 2007, 098734) show the drainage channel below the outfall and the canyon bottom as well as surface water, alluvial groundwater, and intermediate perched groundwater are contaminated with explosive compounds, including RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine); HMX (octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine); TNT (2,4,6 trinitrotoluene); and barium. In addition, the VOCs tetrachloroethane and trichloroethene have been detected in springs, alluvial groundwater, and intermediate perched groundwater.

2.0 SCOPE OF ACTIVITIES

The PME for the TA-16 260 Monitoring Group was conducted pursuant to the 2011 IFGMP, Revision 1 (LANL 2011, 208811).

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, Revision 1 (LANL 2011, 208811).

3.2 Field Parameter Results

Appendix A contains the field parameter results for this PME and for 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. Similarly, base-flow measurements are shown graphically in Figure 3.3-1.

3.4 Deviations from Planned Scope

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

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

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

All sampling, data reviews, and data package validations were conducted using standard operating procedures (SOPs) that are part of a comprehensive quality assurance program. The 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 required analysis.

The required analytical laboratory batch quality control (QC) is defined by the analytical method, the analytical statement of work, and generally accepted laboratory practices. The analytical laboratory assigns qualifiers to the data to indicate the quality of the analytical results. The laboratory batch QC was 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 were 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). AQA's reviews follow the guidelines set in the DOE model SOP for data validation, which includes reviewing the data quality and the documentation's correctness and completeness, verifying that holding times were met, and ensuring that analytical laboratory QC measures were applied, documented, and kept within contract requirements. As a result of secondary validation, a second set of qualifiers was assigned to the analytical results.

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 nondetect.

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 measurements above threshold values. (All 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 (Table 4.2-2). 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 (Table 4.2-2). 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 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 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 4.2-3 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 4.2-4 show concentrations at all locations from the current PME for analytes that exceeded their screening level at more than one sampling location. For example, filtered barium was above the NMWQCC groundwater screening level at more than one well, so all available barium 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 results from previous PME surface-water samples reported in this PMR were above screening levels. No surface-water locations were sampled during the current PME.

4.2.2 Groundwater

Data from past monitoring events for Cañon de Valle alluvial well CDV-16-611923 are reported in this PMR. This well was added to the monitoring plan to replace other alluvial wells destroyed by flooding following the Las Conchas fire in the summer of 2011. Previous results at this well for filtered barium, iron, and manganese were above respective NMWQCC groundwater standard screening levels. Results for filtered barium measured since 2010 range from 10,600 µg/L to 49,400 µg/L, above the NMWQCC groundwater standard screening level of 1000 µg/L. The filtered iron results range from 611 µg/L to 11,700 µg/L, above the NMWQCC groundwater standard screening level of 1000 µg/L (applicable to domestic water supply). The filtered manganese results range from 463 µg/L to 7510 µg/L, above the NMWQCC groundwater standard screening level of 200 µg/L (applicable to domestic water supply).

RDX was found in several samples from CDV-16-611923 during 2010 at concentrations above the EPA tap water screening level of 6.1 µg/L. The RDX concentrations measured at this well range from nondetect (<0.325 µg/L) to 15 µg/L.

For the current PME, the filtered barium concentrations at three Cañon de Valle alluvial wells were above the NMWQCC groundwater standard screening level of 1000 µg/L. At CDV-16-02656 and CDV-16-02659, the new results are within the range measured at the wells since 1997. The ranges at these wells are 2030 µg/L to 5150 µg/L for CDV-16-02656 and 4580 µg/L to 13,600 µg/L for CDV-16-02659. At CDV-16-611923 the new result of 13,700 µg/L is within the 10,600 µg/L to 49,400 µg/L range measured since 2010.

The filtered manganese concentration of 463 µg/L from CDV-16-611923 was above the 200 µg/L NMWQCC groundwater standard screening level (applicable to domestic water supply). This result is the lowest measured at the well. Earlier values collected since 2010 range from 679 µg/L to 7510 µg/L.

Alluvial well MSC-16-06295 in Martin Spring Canyon had filtered iron and aluminum results of 4900 µg/L and 7770 µg/L, above their respective NMWQCC groundwater standard screening levels. Iron concentrations in samples collected since 2000 range from 300 µg/L to 6390 µg/L; the NMWQCC groundwater standard screening level (applicable to domestic water supply) is 1000 µg/L. Aluminum concentrations range from nondetect (<68 µg/L) to 11,400 µg/L; the NMWQCC groundwater standard screening level (applicable to irrigation use) is 5000 µg/L.

At intermediate well R-47i, the radium-226 activity of 4.86 pCi/L was above the 4 pCi/L 4-mrem DOE-DCG screening level but below the 5 pCi/L EPA MCL screening level. One previous result was a nondetect at −0.020 pCi/L.

The filtered boron concentration of 1290 µg/L from intermediate groundwater location Martin Spring was above the 750 µg/L NMWQCC groundwater standard screening level (for irrigation use). The filtered boron concentration in samples taken at this spring since 1995 range from 570 µg/L to 2840 µg/L with only one below the screening level.

The filtered nickel concentration of 3730 µg/L at the 891-ft intermediate screen of R-25 was above the 200 µg/L NMWQCC groundwater standard screening level (for irrigation use). This result is the highest measured at this screen. Five previous filtered nickel results since 2000 for this screen range from 2.0 µg/L to 520 µg/L. This is the first sample for metals from the screen since 2005. The water-quality samples from this screen are affected by corrosion of screens damaged during well construction (LANL 2008, 101897).

Other metal results from the 891-ft screen of R-25 were also elevated. The filtered iron concentration of 20,900 µg/L was above the NMWQCC groundwater standard screening level of 1000 µg/L (applicable to domestic water supply). Earlier results collected between 2000 and 2005 range from nondetect (<99 µg/L) to 2310 µg/L. The filtered manganese result of 686 µg/L was above the NMWQCC groundwater standard screening level of 200 µg/L (applicable to domestic water supply). Previous concentrations range from 9.1 µg/L to 150 µg/L.

The RDX concentrations in five intermediate wells or well ports and two intermediate springs were above the EPA tap water screening level of 6.1 µg/L. The RDX concentrations in samples collected singe 2009 at R-25b range between 5.68 µg/L and 10.2 µg/L. The result for the current PME was 7.24 µg/L. The RDX concentrations in three intermediate screens of R-25 were also above the EPA tap water screening level of 6.1 µg/L. At the 754-ft screen, the new result of 30.8 µg/L is within the range of measurements since 2000 of 26 µg/L to 74 µg/L (as well as two very low results). At the 891-ft screen, the result of 17.5 µg/L is

within the range of previous results that lie between nondetect (<0.1 µg/L) and 38 µg/L. At the 1192-ft screen, the result of 20.6 µg/L is within the range of previous results that lie between 1.9 µg/L and 26.7 µg/L. However, most of the results at these ports have been qualified as estimated.

For the other intermediate locations, RDX has been measured at similar concentrations at each location over the duration of sampling: at least 13 yr in the springs and 6 yr in the well.

4.3 Sampling Program Modifications

No modifications to the periodic monitoring sampling for the TA-16 260 Monitoring Group are proposed at this time.

5.0 SUMMARY

5.1 Monitoring Results

The field parameter monitoring results are presented in Appendix A.

5.2 Analytical Results

5.2.1 Surface Water (Base Flow)

No results from previous PME surface-water samples reported in this PMR were above screening levels. No surface-water locations were sampled during the current PME.

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

5.2.2 Groundwater

Nine results from groundwater samples collected before the current PME and reported in this PMR were above screening levels (Table 4.2-3). These results are from alluvial well CDV-16-611923, recently added to the monitoring plan.

Eighteen results from groundwater samples collected during this PME were above screening levels.

For results above screening levels, aside from the highest concentrations for filtered iron, manganese, and nickel at the 891-ft intermediate screen in R-25 and first-time reporting of results from alluvial well CDV-16-611923, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed

5.3 Data Gaps

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

5.4 Remediation System Monitoring

Corrective measures in TA-16 included constructing a permeable reactive barrier in Cañon de Valle, injection grouting at the surge bed underlying the former settling pond, and constructing a low-

permeability cap over the former settling ponds. The "2010/2011 Monitoring Summary Report for the Technical Area 16 Permeable Reactive Barrier and Associated Corrective Measures Implementation Projects," submitted to NMED in September 2011, describes operations and maintenance activities, monitoring results, and problems with implementing corrective measures from February 2010 to August 2011 at Consolidated Unit 16-021(c)-99 (LANL 2011, 206408).

6.0 REFERENCES

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

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

LANL (Los Alamos National Laboratory), September 1998. "RFI Report for Potential Release Site 16-021(c)," Los Alamos National Laboratory document LA-UR-98-4101, Los Alamos, New Mexico. (LANL 1998, 059891)

LANL (Los Alamos National Laboratory), November 2003. "Corrective Measures Study Report for Solid Waste Management Unit 16-021(c)-99," Los Alamos National Laboratory document LA-UR-03-7627, Los Alamos, New Mexico. (LANL 2003, 085531)

LANL (Los Alamos National Laboratory), August 2007. "Corrective Measures Evaluation Report, Intermediate and Regional Groundwater, Consolidated Unit 16-021(c)-99," Los Alamos National Laboratory document LA-UR-07-5426, Los Alamos, New Mexico. (LANL 2007, 098734)

LANL (Los Alamos National Laboratory), May 2008. "2008 Interim Facility-Wide Groundwater Monitoring Plan," Los Alamos National Laboratory document LA-UR-08-3273, Los Alamos, New Mexico. (LANL 2008, 101897)

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), September 2011. "2010/2011 Monitoring Summary Report for the Technical Area 16 Permeable Reactive Barrier and Associated Corrective Measures Implementation Projects," Los Alamos National Laboratory document LA-UR-11-4911, Los Alamos, New Mexico. (LANL 2011, 206408)

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

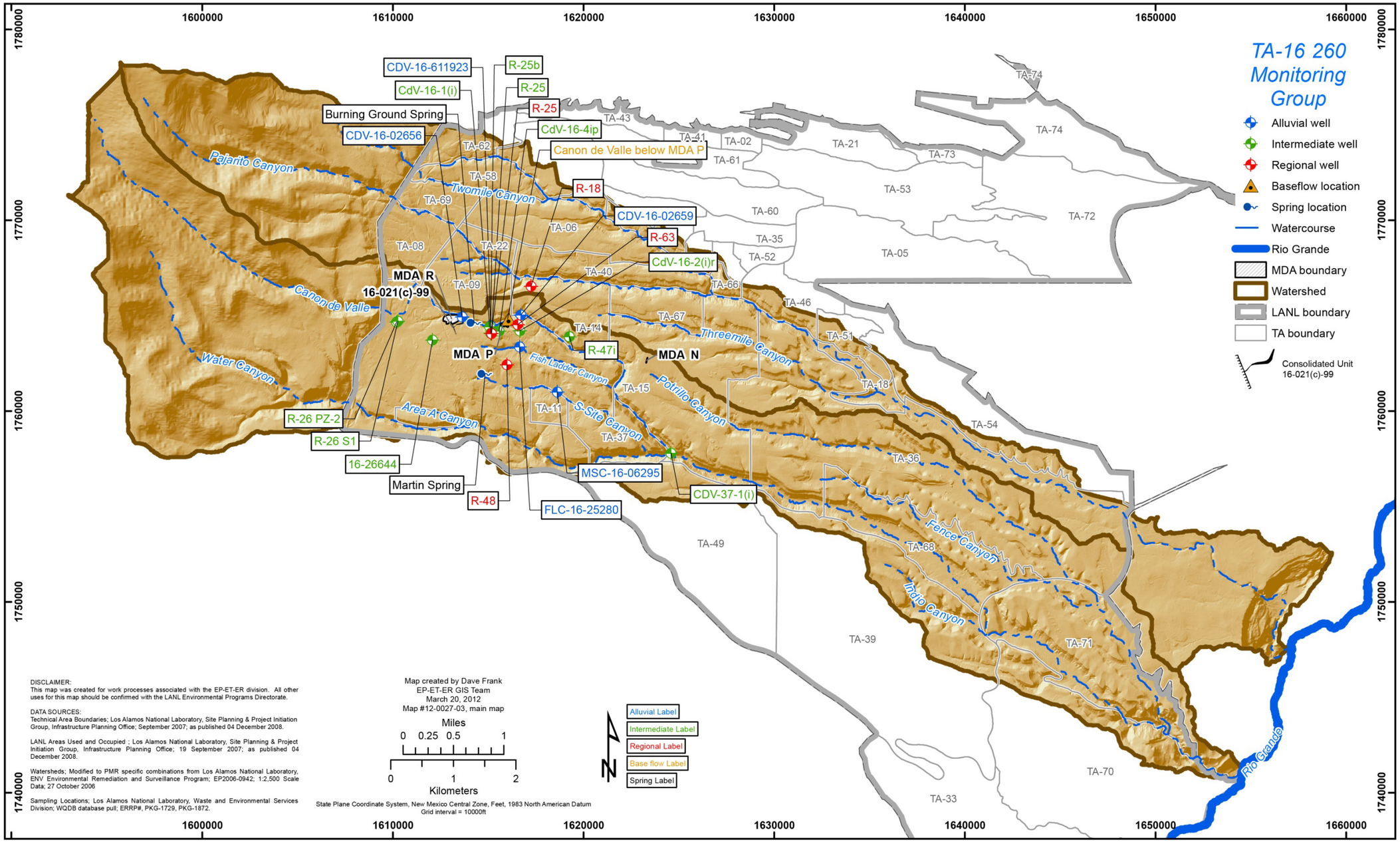


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Table 3.4-1).

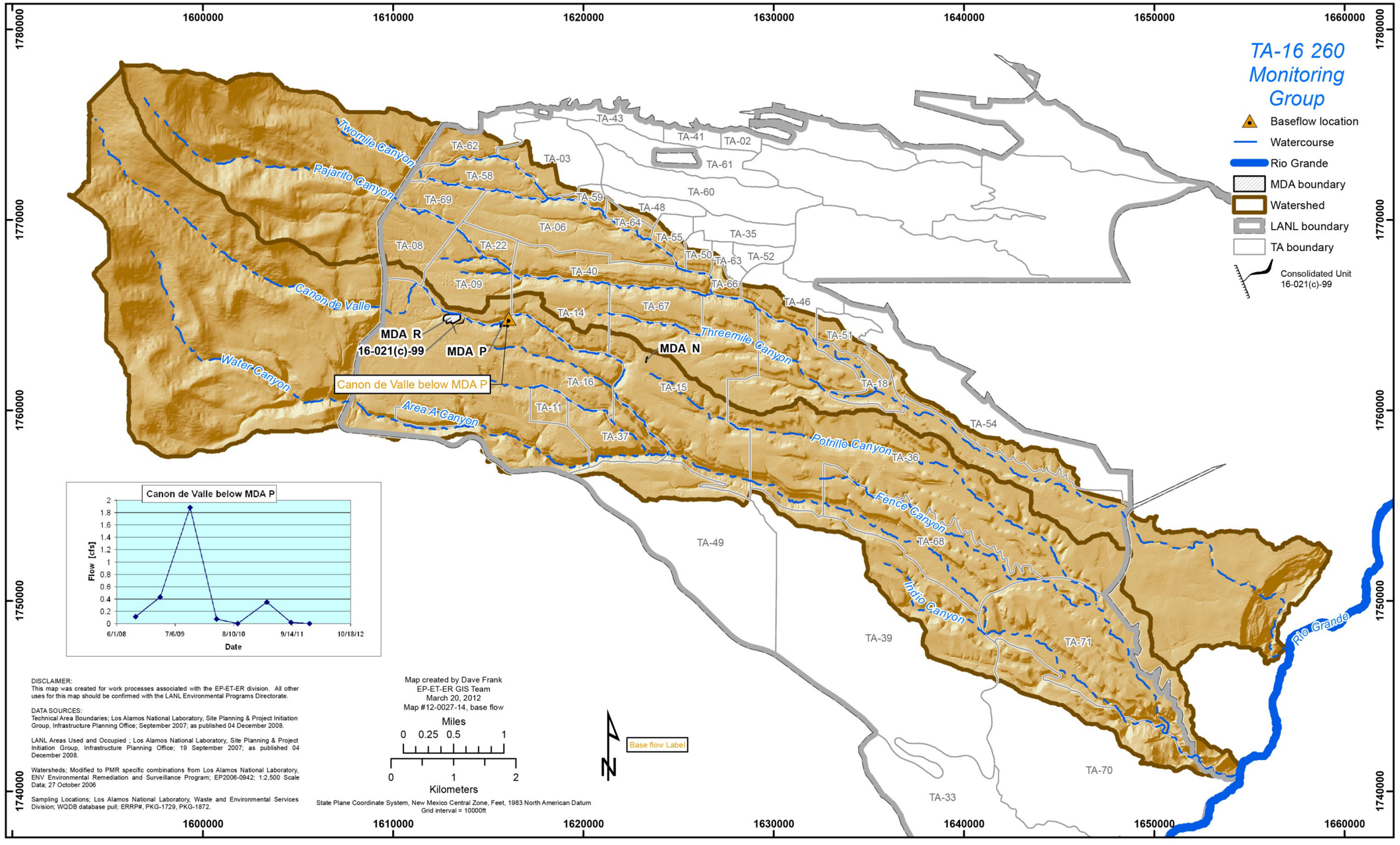


Figure 3.3-1 Base-flow measurements

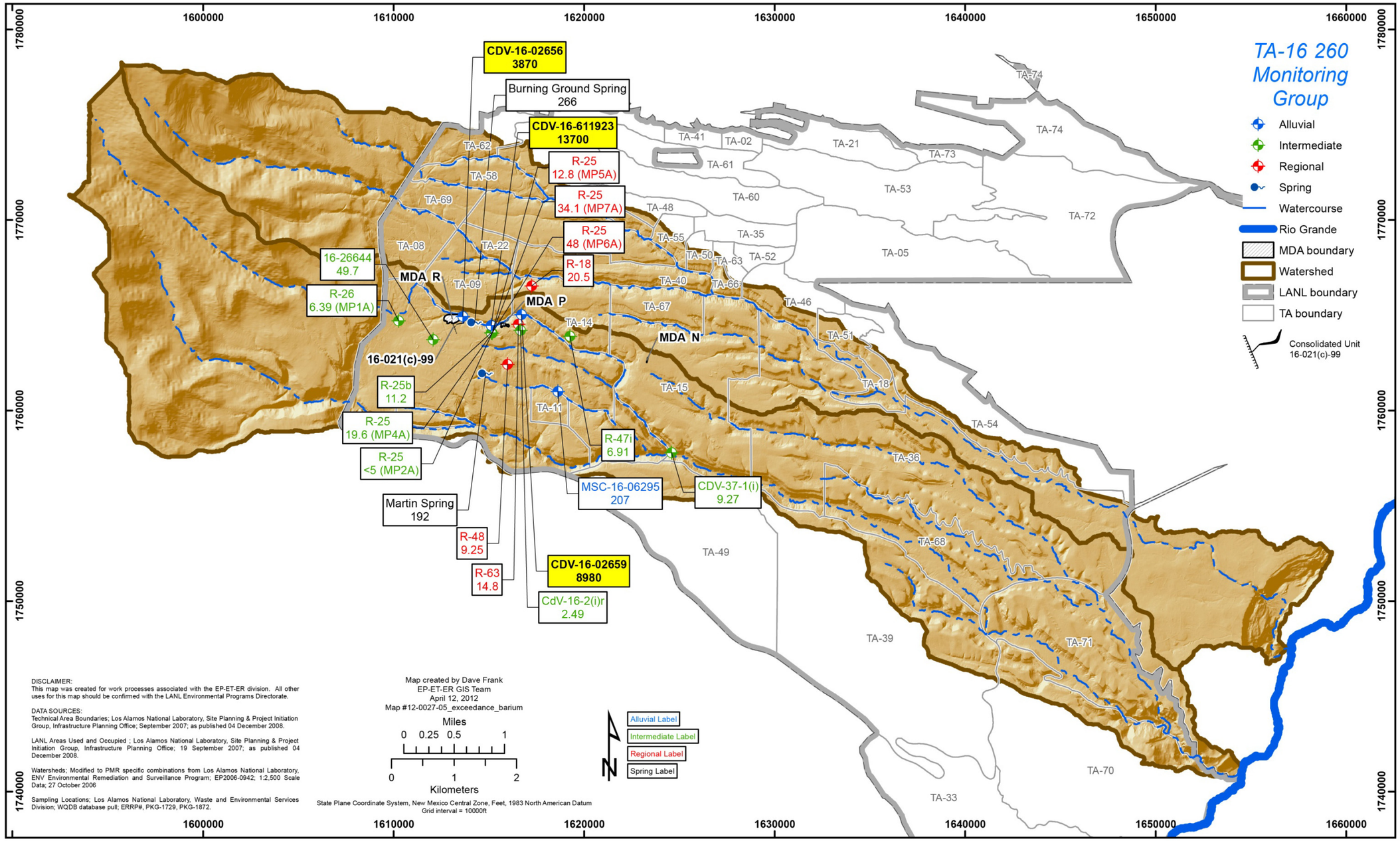


Figure 4.2-1 Monitoring group filtered barium concentrations in µg/L. The NMWQCC groundwater standard screening level is 1000 µg/L.

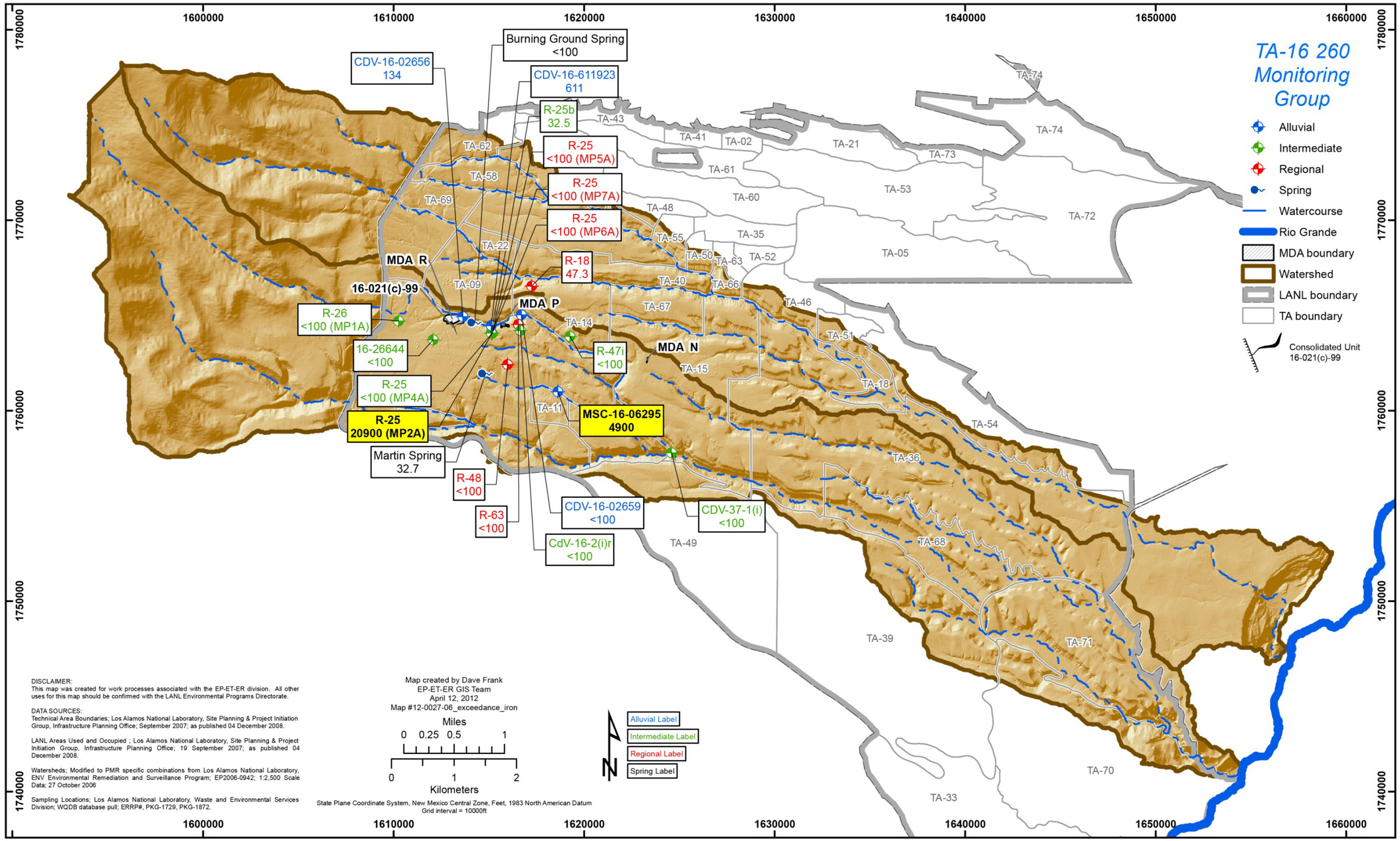


Figure 4.2-2 Monitoring group filtered iron concentrations in µg/L. The NMWQCC groundwater standard screening level is 1000 µg/L.

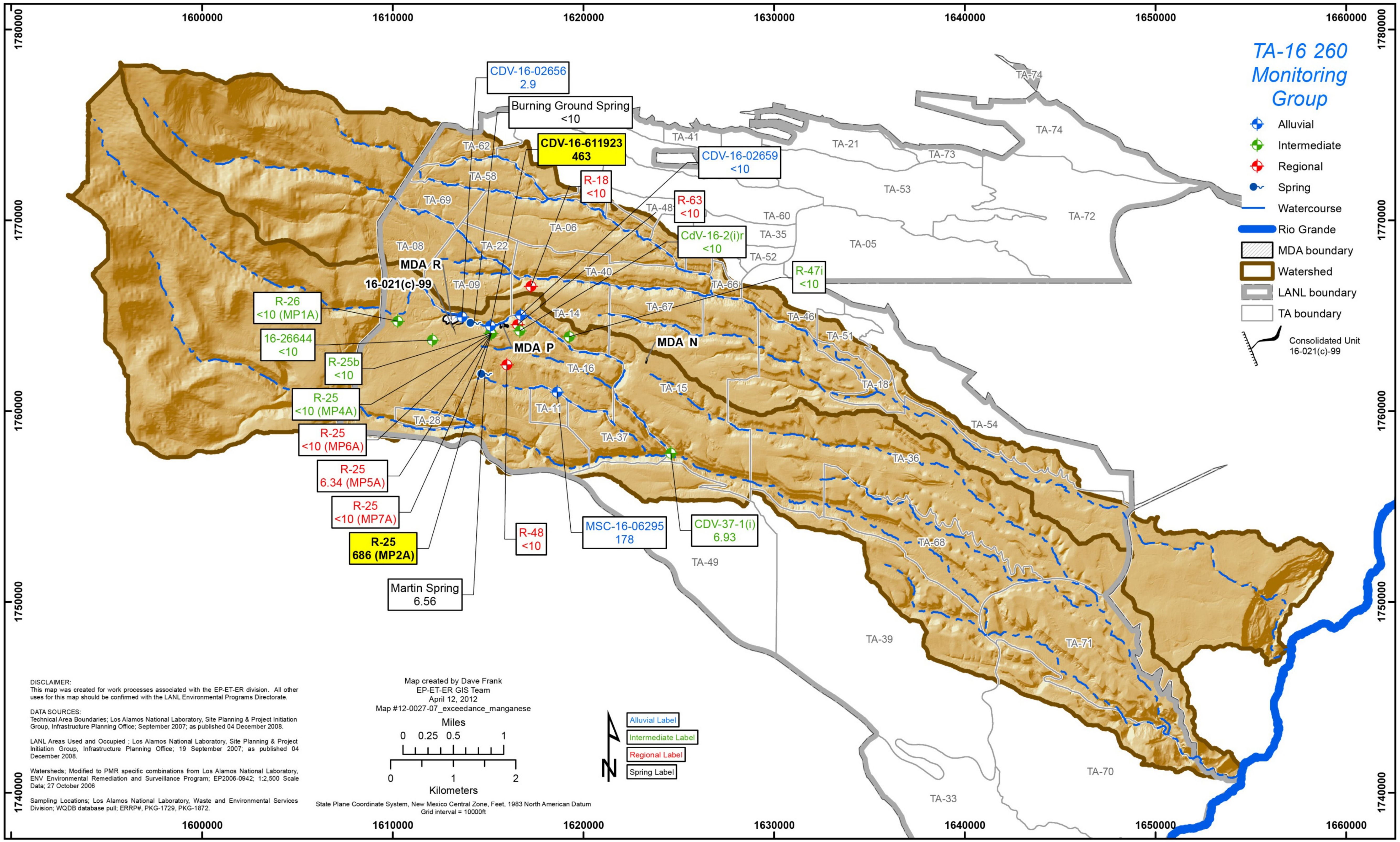


Figure 4.2-3 Monitoring group filtered manganese concentrations in µg/L. The NMWQCC groundwater standard screening level is 200 µg/L.

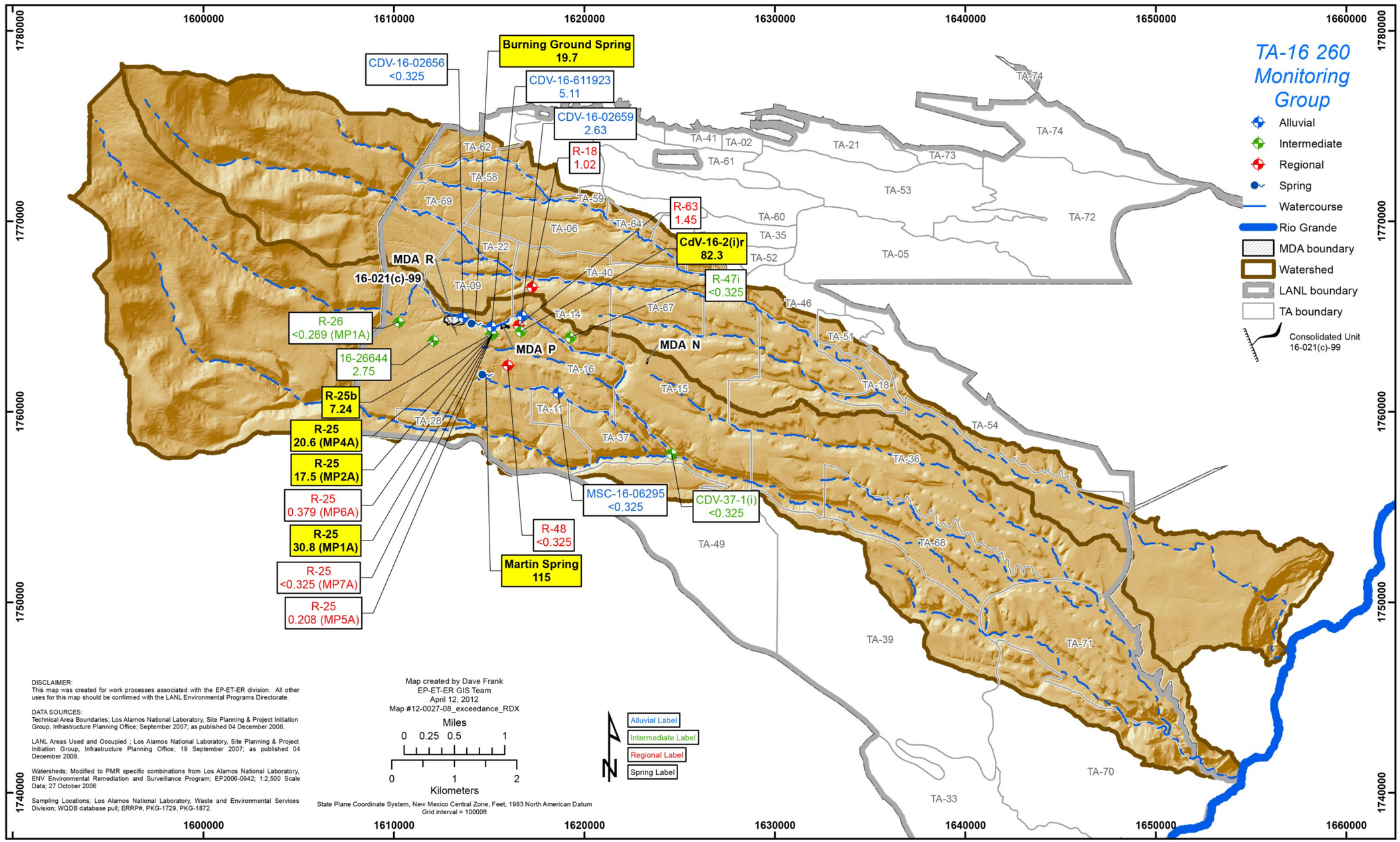


Figure 4.2-4 Monitoring group unfiltered RDX concentrations in µg/L. The EPA tap water screening level is 6.1 µg/L.

Table 2.0-1
TA-16 260 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])
CDV-16-02656	Single	CDV-16-02656	01/20/12	5	3	8	0.7	1.33	0.0002[b]
CDV-16-02659	Single	CDV-16-02659	01/19/12	5	1.7	6.7	1.44	1.5	0.0002
CDV-16-611923	Single	CDV-16-611923	01/25/12	5	3.2	8.2	0.7	3.5	0.0004
FLC-16-25280	Single	FLC-16-25280	01/12/12	1.6	2.6	4.2	n/a[c]	n/a	n/a
MSC-16-06295	Single	MSC-16-06295	01/23/12	5	1.5	6.5	3.1	4.75	0.0002
16-26644	Single	16-26644	01/13/12	15	130	145	1.24	7	0.0011
CdV-16-1(i)	Single	CdV-16-1(i)	01/12/12	10	624	634	n/a	n/a	n/a
CdV-16-2(i)r	Single	CdV-16-2(i)r	01/18/12	9.7	850	859.7	24.86	78.3	0.0065
CdV-16-4ip	P1A	CdV-16-4ip S1	01/24/12	63.6	815.6	879.2	n/a	n/a	n/a
CDV-37-1(i)	Single	CDV-37-1(i)	01/24/12	20.5	632	652.5	31.4	96.8	0.0054
R-25	MP1A	R-25 S1	01/11/12	20.8	737.6	758.4	n/a	n/a	n/a
R-25	MP2A	R-25 S2	01/12/12	10.8	882.6	893.4	n/a	n/a	n/a
R-25	MP4A	R-25 S4	01/12/12	10	1184.6	1194.6	n/a	n/a	n/a
R-25b	Single	R-25b	01/23/12	20.8	750	770.8	29.7	90	0.0013
R-26	MP1A	R-26 S1	01/26/12	18.1	651.8	669.9	72.5	218	0.0087
R-26 PZ-2	R-26 PZ-2	R-26 PZ-2	01/26/12	30	150	180	0.44	0.25	n/a
R-47i	Single	R-47i	01/24/12	20.6	840	860.6	36.78	115.75	0.0029
R-18	Single	R-18	01/17/12	23	1358	1381	96.66	292.8	0.0136
R-25	MP5A	R-25 S5	01/13/12	10	1294.7	1304.7	n/a	n/a	n/a
R-25	MP6A	R-25 S6	01/13/12	10	1404.7	1414.7	n/a	n/a	n/a
R-25	MP7A	R-25 S7	01/17/12	10	1604.7	1614.7	n/a	n/a	n/a
R-25	MP8A	R-25 S8	01/17/12	10	1794.7	1804.7	n/a	n/a	n/a
R-48	Single	R-48	01/18/12	20.6	1500	1520.6	190.8	576	0.0109
R-63	Single	R-63	01/20/12	20.3	1325	1345.3	109.8	330	0.0145

Table 2.0-1 (continued)

Location Name	Port Name	Updated Location Name	Sample Collection Date	Screen Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge-Rate (cfs[a])
Burning Ground Spring	n/a	Burning Ground Spring	01/10/12	n/a	n/a	n/a	n/a	n/a	0.0086
Martin Spring	n/a	Martin Spring	01/18/12	n/a	n/a	n/a	n/a	n/a	0.0033
Canon de Valle below MDA P	n/a	Canon de Valle below MDA P	01/12/12	n/a	n/a	n/a	n/a	n/a	n/a

[a] cfs = Cubic feet per second.

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

[c] n/a = Not applicable.

Table 3.4-1
TA-16 260 Monitoring Group PME Observations and Deviations

Location	Deviation	Cause	Comment
FLC-16-25280	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.
CDV-16-02656, R-26 PZ-2, R-25 S5	Limited data are included in this report for these locations.	A prioritized sample suite was collected because of insufficient water in these wells.	These locations will be sampled during the next scheduled PME.
MSC-16-06295	Limited data are included in this report for this location.	A prioritized sample suite was collected because the pump malfunctioned.	This location will be sampled during the next scheduled PME.
CdV-16-1(i)	No data are included in this report for this location.	The location was not sampled because the area was inaccessible.	This location will be sampled during the next scheduled PME.
CdV-16-4ip S1	No data are included in this report for this location.	The location was not sampled because the pump was not installed at the time of sampling.	This location will be sampled during the next scheduled PME.
Canon de Valle below MDA P	No data are included in this report for this location.	The location was not sampled because it was frozen.	This location will be sampled during the next scheduled PME.

Table 3.4-2
Analytes with PQLs above Screening Levels

Analyte or CAS[a] No.	Analyte Name	MDL[b]	PQL	Screening Level	Unit	Screening-Level Type
Herbicides						
94-74-6	MCPA[c]	12	53	18	µg/L	EPA Regional Tap
93-65-2	MCPP[d]	11	53	37	µg/L	EPA Regional Tap
Metals						
Be	Beryllium	1	5	4	µg/L	EPA MCL
Semivolatile Organic 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

Table 3.4-2 (continued)

Analyte or CAS[a] No.	Analyte Name	MDL[b]	PQL	Screening Level	Unit	Screening-Level Type
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
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] MDL = Method detection limit.

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

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

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

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

[a] n/a = Not applicable.

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

[c] CFR = Code of Federal Regulations.

Table 4.2-2
Base-Flow Location Type and Hardness Assignments Used to Select Screening Levels

Watershed	Location	Stream Type	Hardness (mg/L as $CaCO_3$)
Water	Canon de Valle below MDA P	Perennial	70

Table 4.2-3
TA-16 260 Monitoring Group Groundwater Results above Screening Levels

Location	Date	Analyte	Field Preparation	Result	Unit	Screening Level	Screening-Level Type
Alluvial Groundwater							
CDV-16-02656	01/20/12	Barium	F[a]	3870	µg/L	1000	NMWQCC GW STD
CDV-16-611923	04/02/10	Barium	F	11,500	µg/L	1000	NMWQCC GW STD
CDV-16-611923	11/01/10	Barium	F	49,400	µg/L	1000	NMWQCC GW STD
CDV-16-611923	02/15/11	Barium	F	18,100	µg/L	1000	NMWQCC GW STD
CDV-16-611923	01/25/12	Barium	F	13,700	µg/L	1000	NMWQCC GW STD
CDV-16-611923	11/01/10	Iron	F	11,700	µg/L	1000	NMWQCC GW STD
CDV-16-611923	02/15/11	Iron	F	5880	µg/L	1000	NMWQCC GW STD
CDV-16-611923	04/02/10	Manganese	F	854	µg/L	200	NMWQCC GW STD
CDV-16-611923	11/01/10	Manganese	F	7510	µg/L	200	NMWQCC GW STD
CDV-16-611923	02/15/11	Manganese	F	4130	µg/L	200	NMWQCC GW STD
CDV-16-611923	01/25/12	Manganese	F	463	µg/L	200	NMWQCC GW STD
CDV-16-02659	01/19/12	Barium	F	8980	µg/L	1000	NMWQCC GW STD
MSC-16-06295	01/23/12	Aluminum	F	7770	µg/L	5000	NMWQCC GW STD
MSC-16-06295	01/23/12	Iron	F	4900	µg/L	1000	NMWQCC GW STD
CDV-16-611923	04/02/10	RDX	UF[b]	8.7	µg/L	6.1	EPA TAP SCRN LVL
Intermediate Groundwater							
R-47i	01/24/12	Radium-226	UF	4.86	pCi/L	4	DOE DW DCG
Martin Spring	01/18/12	Boron	F	1290	µg/L	750	NMWQCC GW STD
R-25	01/12/12	Iron	F	20,900	µg/L	1000	NMWQCC GW STD
R-25	01/12/12	Manganese	F	686	µg/L	200	NMWQCC GW STD
R-25	01/12/12	Nickel	F	3730	µg/L	200	NMWQCC GW STD
Burning Ground Spring	01/10/12	RDX	UF	19.7	µg/L	6.1	EPA TAP SCRN LVL
Martin Spring	01/18/12	RDX	UF	115	µg/L	6.1	EPA TAP SCRN LVL
R-25b	01/23/12	RDX	UF	7.24	µg/L	6.1	EPA TAP SCRN LVL
R-25	01/11/12	RDX	UF	30.8	µg/L	6.1	EPA TAP SCRN LVL
R-25	01/12/12	RDX	UF	17.5	µg/L	6.1	EPA TAP SCRN LVL
R-25	01/12/12	RDX	UF	20.6	µg/L	6.1	EPA TAP SCRN LVL
CdV-16-2(i)r	01/18/12	RDX	UF	82.3	µg/L	6.1	EPA TAP SCRN LVL

[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
16-26644	130	01/13/12	WG[a]	Dissolved Oxygen	7.81	mg/L	CAWA-12-1955
16-26644	130	09/19/11	WG	Dissolved Oxygen	7.78	mg/L	CAWA-11-27147
16-26644	130	03/02/11	WG	Dissolved Oxygen	7.48	mg/L	RE16-11-3295
16-26644	130	03/02/11	WG	Dissolved Oxygen	7.48	mg/L	RE16-11-3292
16-26644	130	03/02/11	WG	Dissolved Oxygen	7.65	mg/L	RE16-11-3296
16-26644	130	03/02/11	WG	Dissolved Oxygen	7.65	mg/L	RE16-11-3293
16-26644	130	11/02/10	WG	Dissolved Oxygen	7.48	mg/L	RE16-11-1724
16-26644	130	11/02/10	WG	Dissolved Oxygen	7.48	mg/L	RE16-11-1719
16-26644	130	11/02/10	WG	Dissolved Oxygen	7.48	mg/L	RE16-11-1725
16-26644	130	11/02/10	WG	Dissolved Oxygen	7.78	mg/L	RE16-11-1720
16-26644	130	07/22/10	WG	Dissolved Oxygen	7.86	mg/L	RE16-10-24612
16-26644	130	07/22/10	WG	Dissolved Oxygen	7.86	mg/L	RE16-10-24616
16-26644	130	07/22/10	WG	Dissolved Oxygen	7.86	mg/L	RE16-10-24527
16-26644	130	01/13/12	WG	Oxidation Reduction Potential	100.4	mV	CAWA-12-1955
16-26644	130	09/19/11	WG	Oxidation Reduction Potential	−28.2	mV	CAWA-11-27147
16-26644	130	03/02/11	WG	Oxidation Reduction Potential	333.7	mV	RE16-11-3295
16-26644	130	03/02/11	WG	Oxidation Reduction Potential	333.7	mV	RE16-11-3292
16-26644	130	03/02/11	WG	Oxidation Reduction Potential	135.2	mV	RE16-11-3293
16-26644	130	03/02/11	WG	Oxidation Reduction Potential	135.2	mV	RE16-11-3296
16-26644	130	11/02/10	WG	Oxidation Reduction Potential	333.7	mV	RE16-11-1724
16-26644	130	11/02/10	WG	Oxidation Reduction Potential	333.7	mV	RE16-11-1719
16-26644	130	11/02/10	WG	Oxidation Reduction Potential	333.7	mV	RE16-11-1725
16-26644	130	11/02/10	WG	Oxidation Reduction Potential	333.7	mV	RE16-11-1720
16-26644	130	07/22/10	WG	Oxidation Reduction Potential	350.7	mV	RE16-10-24612
16-26644	130	07/22/10	WG	Oxidation Reduction Potential	350.7	mV	RE16-10-24527
16-26644	130	07/22/10	WG	Oxidation Reduction Potential	350.7	mV	RE16-10-24616
16-26644	130	01/13/12	WG	pH	7.13	SU[b]	CAWA-12-1955
16-26644	130	09/19/11	WG	pH	6.96	SU	CAWA-11-27147

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
16-26644	130	03/02/11	WG	pH	6.77	SU	RE16-11-3295
16-26644	130	03/02/11	WG	pH	6.77	SU	RE16-11-3292
16-26644	130	03/02/11	WG	pH	6.9	SU	RE16-11-3296
16-26644	130	03/02/11	WG	pH	6.9	SU	RE16-11-3293
16-26644	130	11/02/10	WG	pH	6.77	SU	RE16-11-1719
16-26644	130	11/02/10	WG	pH	6.77	SU	RE16-11-1724
16-26644	130	11/02/10	WG	pH	6.77	SU	RE16-11-1720
16-26644	130	11/02/10	WG	pH	6.77	SU	RE16-11-1725
16-26644	130	07/22/10	WG	pH	6.54	SU	RE16-10-24612
16-26644	130	07/22/10	WG	pH	6.54	SU	RE16-10-24616
16-26644	130	07/22/10	WG	pH	6.54	SU	RE16-10-24527
16-26644	130	01/13/12	WG	Specific Conductance	219	µS/cm	CAWA-12-1955
16-26644	130	09/19/11	WG	Specific Conductance	230	µS/cm	CAWA-11-27147
16-26644	130	03/02/11	WG	Specific Conductance	211	µS/cm	RE16-11-3292
16-26644	130	03/02/11	WG	Specific Conductance	211	µS/cm	RE16-11-3295
16-26644	130	03/02/11	WG	Specific Conductance	206	µS/cm	RE16-11-3293
16-26644	130	03/02/11	WG	Specific Conductance	206	µS/cm	RE16-11-3296
16-26644	130	11/02/10	WG	Specific Conductance	211	µS/cm	RE16-11-1724
16-26644	130	11/02/10	WG	Specific Conductance	211	µS/cm	RE16-11-1719
16-26644	130	11/02/10	WG	Specific Conductance	211	µS/cm	RE16-11-1725
16-26644	130	11/02/10	WG	Specific Conductance	211	µS/cm	RE16-11-1720
16-26644	130	07/22/10	WG	Specific Conductance	173	µS/cm	RE16-10-24612
16-26644	130	07/22/10	WG	Specific Conductance	173	µS/cm	RE16-10-24616
16-26644	130	07/22/10	WG	Specific Conductance	173	µS/cm	RE16-10-24527
16-26644	130	01/13/12	WG	Temperature	11.18	deg C	CAWA-12-1955
16-26644	130	09/19/11	WG	Temperature	12.11	deg C	CAWA-11-27147
16-26644	130	03/02/11	WG	Temperature	11.94	deg C	RE16-11-3295
16-26644	130	03/02/11	WG	Temperature	11.94	deg C	RE16-11-3292

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
16-26644	130	03/02/11	WG	Temperature	11.74	deg C	RE16-11-3293
16-26644	130	03/02/11	WG	Temperature	11.47	deg C	RE16-11-3296
16-26644	130	11/02/10	WG	Temperature	11.94	deg C	RE16-11-1719
16-26644	130	11/02/10	WG	Temperature	11.94	deg C	RE16-11-1724
16-26644	130	11/02/10	WG	Temperature	11.94	deg C	RE16-11-1725
16-26644	130	11/02/10	WG	Temperature	11.94	deg C	RE16-11-1720
16-26644	130	07/22/10	WG	Temperature	12.16	deg C	RE16-10-24612
16-26644	130	07/22/10	WG	Temperature	12.16	deg C	RE16-10-24527
16-26644	130	07/22/10	WG	Temperature	12.16	deg C	RE16-10-24616
16-26644	130	01/13/12	WG	Turbidity	0.91	NTU[c]	CAWA-12-1955
16-26644	130	09/19/11	WG	Turbidity	1.95	NTU	CAWA-11-27147
16-26644	130	03/02/11	WG	Turbidity	3.65	NTU	RE16-11-3292
16-26644	130	03/02/11	WG	Turbidity	3.65	NTU	RE16-11-3295
16-26644	130	03/02/11	WG	Turbidity	0	NTU	RE16-11-3293
16-26644	130	03/02/11	WG	Turbidity	0	NTU	RE16-11-3296
16-26644	130	11/02/10	WG	Turbidity	3.65	NTU	RE16-11-1719
16-26644	130	11/02/10	WG	Turbidity	3.65	NTU	RE16-11-1724
16-26644	130	11/02/10	WG	Turbidity	3.65	NTU	RE16-11-1725
16-26644	130	11/02/10	WG	Turbidity	3.65	NTU	RE16-11-1720
16-26644	130	07/22/10	WG	Turbidity	4.33	NTU	RE16-10-24612
16-26644	130	07/22/10	WG	Turbidity	4.33	NTU	RE16-10-24527
16-26644	130	07/22/10	WG	Turbidity	4.33	NTU	RE16-10-24616
Burning Ground Spring	—[d]	01/10/12	WG	Dissolved Oxygen	8.61	mg/L	CAWA-12-1934
Burning Ground Spring	—	09/15/11	WG	Dissolved Oxygen	8.31	mg/L	CAWA-11-27048
Burning Ground Spring	—	04/11/11	WG	Dissolved Oxygen	8.45	mg/L	CAWA-11-5401
Burning Ground Spring	—	09/10/10	WG	Dissolved Oxygen	8.12	mg/L	CAWA-10-25704
Burning Ground Spring	—	04/09/10	WG	Dissolved Oxygen	8.25	mg/L	CAWA-10-14972
Burning Ground Spring	—	01/10/12	WG	pH	7.56	SU	CAWA-12-1934

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Burning Ground Spring	—	09/15/11	WG	pH	7.17	SU	CAWA-11-27048
Burning Ground Spring	—	04/11/11	WG	pH	7.46	SU	CAWA-11-5401
Burning Ground Spring	—	09/10/10	WG	pH	7.05	SU	CAWA-10-25704
Burning Ground Spring	—	04/09/10	WG	pH	6.56	SU	CAWA-10-14972
Burning Ground Spring	—	01/10/12	WG	Specific Conductance	336	µS/cm	CAWA-12-1934
Burning Ground Spring	—	09/15/11	WG	Specific Conductance	269	µS/cm	CAWA-11-27048
Burning Ground Spring	—	04/11/11	WG	Specific Conductance	223	µS/cm	CAWA-11-5401
Burning Ground Spring	—	09/10/10	WG	Specific Conductance	199	µS/cm	CAWA-10-25704
Burning Ground Spring	—	04/09/10	WG	Specific Conductance	286	µS/cm	CAWA-10-14972
Burning Ground Spring	—	01/10/12	WG	Temperature	8.88	deg C	CAWA-12-1934
Burning Ground Spring	—	09/15/11	WG	Temperature	10.46	deg C	CAWA-11-27048
Burning Ground Spring	—	04/11/11	WG	Temperature	10.99	deg C	CAWA-11-5401
Burning Ground Spring	—	09/10/10	WG	Temperature	10.69	deg C	CAWA-10-25704
Burning Ground Spring	—	04/09/10	WG	Temperature	10.48	deg C	CAWA-10-14972
Burning Ground Spring	—	01/10/12	WG	Turbidity	3.32	NTU	CAWA-12-1934
Burning Ground Spring	—	09/15/11	WG	Turbidity	2.72	NTU	CAWA-11-27048
Burning Ground Spring	—	04/11/11	WG	Turbidity	1.53	NTU	CAWA-11-5401
Burning Ground Spring	—	09/10/10	WG	Turbidity	4.22	NTU	CAWA-10-25704
Burning Ground Spring	—	04/09/10	WG	Turbidity	19.7	NTU	CAWA-10-14972
CDV-16-02656	3	01/20/12	WG	Dissolved Oxygen	7.79	mg/L	CAWA-12-1938
CDV-16-02656	3	04/08/11	WG	Dissolved Oxygen	4.85	mg/L	CAWA-11-5429
CDV-16-02656	3	09/17/10	WG	Dissolved Oxygen	1.62	mg/L	CAWA-10-25732
CDV-16-02656	3	04/16/10	WG	Dissolved Oxygen	2.39	mg/L	CAWA-10-15277
CDV-16-02656	3	10/09/09	WG	Dissolved Oxygen	2.56	mg/L	CAWA-09-13776
CDV-16-02656	3	01/20/12	WG	Oxidation Reduction Potential	143.8	mV	CAWA-12-1938
CDV-16-02656	3	04/08/11	WG	Oxidation Reduction Potential	222.8	mV	CAWA-11-5429
CDV-16-02656	3	09/17/10	WG	Oxidation Reduction Potential	300	mV	CAWA-10-25732
CDV-16-02656	3	04/16/10	WG	Oxidation Reduction Potential	396.4	mV	CAWA-10-15277

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
CDV-16-02656	3	10/09/09	WG	Oxidation Reduction Potential	325.4	mV	CAWA-09-13776
CDV-16-02656	3	01/20/12	WG	pH	6.46	SU	CAWA-12-1938
CDV-16-02656	3	04/08/11	WG	pH	6.5	SU	CAWA-11-5429
CDV-16-02656	3	09/17/10	WG	pH	5.91	SU	CAWA-10-25732
CDV-16-02656	3	04/16/10	WG	pH	4.83	SU	CAWA-10-15277
CDV-16-02656	3	10/09/09	WG	pH	6.12	SU	CAWA-09-13776
CDV-16-02656	3	01/20/12	WG	Specific Conductance	297	µS/cm	CAWA-12-1938
CDV-16-02656	3	04/08/11	WG	Specific Conductance	199	µS/cm	CAWA-11-5429
CDV-16-02656	3	09/17/10	WG	Specific Conductance	197	µS/cm	CAWA-10-25732
CDV-16-02656	3	04/16/10	WG	Specific Conductance	257	µS/cm	CAWA-10-15277
CDV-16-02656	3	10/09/09	WG	Specific Conductance	217	µS/cm	CAWA-09-13776
CDV-16-02656	3	01/20/12	WG	Temperature	4.71	deg C	CAWA-12-1938
CDV-16-02656	3	04/08/11	WG	Temperature	7.01	deg C	CAWA-11-5429
CDV-16-02656	3	09/17/10	WG	Temperature	14.76	deg C	CAWA-10-25732
CDV-16-02656	3	04/16/10	WG	Temperature	6.61	deg C	CAWA-10-15277
CDV-16-02656	3	10/09/09	WG	Temperature	11.13	deg C	CAWA-09-13776
CDV-16-02656	3	01/20/12	WG	Turbidity	3.88	NTU	CAWA-12-1938
CDV-16-02656	3	04/08/11	WG	Turbidity	8.86	NTU	CAWA-11-5429
CDV-16-02656	3	09/17/10	WG	Turbidity	9.58	NTU	CAWA-10-25732
CDV-16-02656	3	04/16/10	WG	Turbidity	11.5	NTU	CAWA-10-15277
CDV-16-02656	3	10/09/09	WG	Turbidity	7.35	NTU	CAWA-09-13776
CDV-16-02659	1.7	01/19/12	WG	Dissolved Oxygen	8.43	mg/L	CAWA-12-1939
CDV-16-02659	1.7	09/16/11	WG	Dissolved Oxygen	3.56	mg/L	CAWA-11-27072
CDV-16-02659	1.7	04/06/11	WG	Dissolved Oxygen	8.3	mg/L	CAWA-11-5437
CDV-16-02659	1.7	09/09/10	WG	Dissolved Oxygen	4.91	mg/L	CAWA-10-25738
CDV-16-02659	1.7	04/12/10	WG	Dissolved Oxygen	4.45	mg/L	CAWA-10-15282
CDV-16-02659	1.7	01/19/12	WG	Oxidation Reduction Potential	201.2	mV	CAWA-12-1939
CDV-16-02659	1.7	04/06/11	WG	Oxidation Reduction Potential	81.2	mV	CAWA-11-5437

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
CDV-16-02659	1.7	04/12/10	WG	Oxidation Reduction Potential	315.3	mV	CAWA-10-15282
CDV-16-02659	1.7	10/07/09	WG	Oxidation Reduction Potential	517.5	mV	CAWA-09-13798
CDV-16-02659	1.7	03/26/09	WG	Oxidation Reduction Potential	424.6	mV	CAWA-09-5554
CDV-16-02659	1.7	01/19/12	WG	pH	6.66	SU	CAWA-12-1939
CDV-16-02659	1.7	09/16/11	WG	pH	6.48	SU	CAWA-11-27072
CDV-16-02659	1.7	04/06/11	WG	pH	6.65	SU	CAWA-11-5437
CDV-16-02659	1.7	09/09/10	WG	pH	5.84	SU	CAWA-10-25738
CDV-16-02659	1.7	04/12/10	WG	pH	5.23	SU	CAWA-10-15282
CDV-16-02659	1.7	01/19/12	WG	Specific Conductance	361	µS/cm	CAWA-12-1939
CDV-16-02659	1.7	09/16/11	WG	Specific Conductance	12.36	µS/cm	CAWA-11-27072
CDV-16-02659	1.7	04/06/11	WG	Specific Conductance	220	µS/cm	CAWA-11-5437
CDV-16-02659	1.7	09/09/10	WG	Specific Conductance	230	µS/cm	CAWA-10-25738
CDV-16-02659	1.7	04/12/10	WG	Specific Conductance	234	µS/cm	CAWA-10-15282
CDV-16-02659	1.7	01/19/12	WG	Temperature	5.82	deg C	CAWA-12-1939
CDV-16-02659	1.7	09/16/11	WG	Temperature	12.36	deg C	CAWA-11-27072
CDV-16-02659	1.7	04/06/11	WG	Temperature	7.34	deg C	CAWA-11-5437
CDV-16-02659	1.7	09/09/10	WG	Temperature	13.79	deg C	CAWA-10-25738
CDV-16-02659	1.7	04/12/10	WG	Temperature	4.89	deg C	CAWA-10-15282
CDV-16-02659	1.7	01/19/12	WG	Turbidity	2.96	NTU	CAWA-12-1939
CDV-16-02659	1.7	09/16/11	WG	Turbidity	0.47	NTU	CAWA-11-27072
CDV-16-02659	1.7	04/06/11	WG	Turbidity	3.25	NTU	CAWA-11-5437
CDV-16-02659	1.7	09/09/10	WG	Turbidity	1.71	NTU	CAWA-10-25738
CDV-16-02659	1.7	04/12/10	WG	Turbidity	4.32	NTU	CAWA-10-15282
CdV-16-2(i)r	850	01/18/12	WG	Dissolved Oxygen	6.7	mg/L	CAWA-12-1961
CdV-16-2(i)r	850	09/06/11	WG	Dissolved Oxygen	6.96	mg/L	CAWA-11-27101
CdV-16-2(i)r	850	03/30/11	WG	Dissolved Oxygen	7.09	mg/L	CAWA-11-5330
CdV-16-2(i)r	850	09/07/10	WG	Dissolved Oxygen	6.55	mg/L	CAWA-10-25779
CdV-16-2(i)r	850	04/01/10	WG	Dissolved Oxygen	8.13	mg/L	CAWA-10-15154

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
CdV-16-2(i)r	850	01/18/12	WG	Oxidation Reduction Potential	241.8	mV	CAWA-12-1961
CdV-16-2(i)r	850	09/06/11	WG	Oxidation Reduction Potential	164	mV	CAWA-11-27101
CdV-16-2(i)r	850	03/30/11	WG	Oxidation Reduction Potential	188.7	mV	CAWA-11-5330
CdV-16-2(i)r	850	09/07/10	WG	Oxidation Reduction Potential	165.9	mV	CAWA-10-25779
CdV-16-2(i)r	850	04/01/10	WG	Oxidation Reduction Potential	106.8	mV	CAWA-10-15154
CdV-16-2(i)r	850	01/18/12	WG	pH	7.13	SU	CAWA-12-1961
CdV-16-2(i)r	850	09/06/11	WG	pH	7	SU	CAWA-11-27101
CdV-16-2(i)r	850	03/30/11	WG	pH	7.13	SU	CAWA-11-5330
CdV-16-2(i)r	850	09/07/10	WG	pH	6.28	SU	CAWA-10-25779
CdV-16-2(i)r	850	04/01/10	WG	pH	6.79	SU	CAWA-10-15154
CdV-16-2(i)r	850	01/18/12	WG	Specific Conductance	117	µS/cm	CAWA-12-1961
CdV-16-2(i)r	850	09/06/11	WG	Specific Conductance	123	µS/cm	CAWA-11-27101
CdV-16-2(i)r	850	03/30/11	WG	Specific Conductance	116	µS/cm	CAWA-11-5330
CdV-16-2(i)r	850	09/07/10	WG	Specific Conductance	111	µS/cm	CAWA-10-25779
CdV-16-2(i)r	850	04/01/10	WG	Specific Conductance	115	µS/cm	CAWA-10-15154
CdV-16-2(i)r	850	01/18/12	WG	Temperature	11.47	deg C	CAWA-12-1961
CdV-16-2(i)r	850	09/06/11	WG	Temperature	12.83	deg C	CAWA-11-27101
CdV-16-2(i)r	850	03/30/11	WG	Temperature	12.36	deg C	CAWA-11-5330
CdV-16-2(i)r	850	09/07/10	WG	Temperature	13.17	deg C	CAWA-10-25779
CdV-16-2(i)r	850	04/01/10	WG	Temperature	3.72	deg C	CAWA-10-15154
CdV-16-2(i)r	850	01/18/12	WG	Turbidity	0.75	NTU	CAWA-12-1961
CdV-16-2(i)r	850	09/06/11	WG	Turbidity	0.58	NTU	CAWA-11-27101
CdV-16-2(i)r	850	03/30/11	WG	Turbidity	2.44	NTU	CAWA-11-5330
CdV-16-2(i)r	850	09/07/10	WG	Turbidity	4.67	NTU	CAWA-10-25779
CdV-16-2(i)r	850	04/01/10	WG	Turbidity	2.7	NTU	CAWA-10-15154
CDV-16-611923	3.2	01/25/12	WG	Dissolved Oxygen	2.44	mg/L	CAWA-12-1942
CDV-16-611923	3.2	06/30/10	WG	Dissolved Oxygen	0.63	mg/L	GW16-10-22553
CDV-16-611923	3.2	06/02/10	WG	Dissolved Oxygen	0.44	mg/L	GW16-10-18583

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
CDV-16-611923	3.2	01/25/12	WG	Oxidation Reduction Potential	−65.9	mV	CAWA-12-1942
CDV-16-611923	3.2	06/30/10	WG	Oxidation Reduction Potential	70.3	mV	GW16-10-22553
CDV-16-611923	3.2	06/02/10	WG	Oxidation Reduction Potential	−1.9	mV	GW16-10-18583
CDV-16-611923	3.2	01/25/12	WG	pH	6.86	SU	CAWA-12-1942
CDV-16-611923	3.2	06/30/10	WG	pH	6.78	SU	GW16-10-22553
CDV-16-611923	3.2	06/02/10	WG	pH	6.79	SU	GW16-10-18583
CDV-16-611923	3.2	01/25/12	WG	Specific Conductance	328	µS/cm	CAWA-12-1942
CDV-16-611923	3.2	06/30/10	WG	Specific Conductance	542	µS/cm	GW16-10-22553
CDV-16-611923	3.2	06/02/10	WG	Specific Conductance	370	µS/cm	GW16-10-18583
CDV-16-611923	3.2	01/25/12	WG	Temperature	2.6	deg C	CAWA-12-1942
CDV-16-611923	3.2	06/30/10	WG	Temperature	12.24	deg C	GW16-10-22553
CDV-16-611923	3.2	06/02/10	WG	Temperature	8.72	deg C	GW16-10-18583
CDV-16-611923	3.2	01/25/12	WG	Turbidity	18.8	NTU	CAWA-12-1942
CDV-16-611923	3.2	06/30/10	WG	Turbidity	1.41	NTU	GW16-10-22553
CDV-16-611923	3.2	06/02/10	WG	Turbidity	19.4	NTU	GW16-10-18583
CDV-37-1(i)	632	01/24/12	WG	Dissolved Oxygen	7.84	mg/L	CAWA-12-1966
CDV-37-1(i)	632	06/20/11	WG	Dissolved Oxygen	7.7	mg/L	CAWA-11-14062
CDV-37-1(i)	632	03/31/11	WG	Dissolved Oxygen	7.79	mg/L	CAWA-11-5324
CDV-37-1(i)	632	12/01/10	WG	Dissolved Oxygen	6.7	mg/L	CAWA-11-2117
CDV-37-1(i)	632	09/21/10	WG	Dissolved Oxygen	7.73	mg/L	CAWA-10-25902
CDV-37-1(i)	632	01/24/12	WG	Oxidation Reduction Potential	38.7	mV	CAWA-12-1966
CDV-37-1(i)	632	06/20/11	WG	Oxidation Reduction Potential	109	mV	CAWA-11-14062
CDV-37-1(i)	632	03/31/11	WG	Oxidation Reduction Potential	−92.1	mV	CAWA-11-5324
CDV-37-1(i)	632	12/01/10	WG	Oxidation Reduction Potential	245.5	mV	CAWA-11-2117
CDV-37-1(i)	632	09/21/10	WG	Oxidation Reduction Potential	78.3	mV	CAWA-10-25902
CDV-37-1(i)	632	01/24/12	WG	pH	7.07	SU	CAWA-12-1966
CDV-37-1(i)	632	06/20/11	WG	pH	7.13	SU	CAWA-11-14062
CDV-37-1(i)	632	03/31/11	WG	pH	7.21	SU	CAWA-11-5324

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
CDV-37-1(i)	632	12/01/10	WG	pH	7.05	SU	CAWA-11-2117
CDV-37-1(i)	632	09/21/10	WG	pH	6.57	SU	CAWA-10-25902
CDV-37-1(i)	632	01/24/12	WG	Specific Conductance	116	µS/cm	CAWA-12-1966
CDV-37-1(i)	632	06/20/11	WG	Specific Conductance	120	µS/cm	CAWA-11-14062
CDV-37-1(i)	632	03/31/11	WG	Specific Conductance	119	µS/cm	CAWA-11-5324
CDV-37-1(i)	632	12/01/10	WG	Specific Conductance	117	µS/cm	CAWA-11-2117
CDV-37-1(i)	632	09/21/10	WG	Specific Conductance	129	µS/cm	CAWA-10-25902
CDV-37-1(i)	632	01/24/12	WG	Temperature	12.37	deg C	CAWA-12-1966
CDV-37-1(i)	632	06/20/11	WG	Temperature	13.84	deg C	CAWA-11-14062
CDV-37-1(i)	632	03/31/11	WG	Temperature	13.74	deg C	CAWA-11-5324
CDV-37-1(i)	632	12/01/10	WG	Temperature	13.41	deg C	CAWA-11-2117
CDV-37-1(i)	632	09/21/10	WG	Temperature	13.61	deg C	CAWA-10-25902
CDV-37-1(i)	632	01/24/12	WG	Turbidity	3.19	NTU	CAWA-12-1966
CDV-37-1(i)	632	06/20/11	WG	Turbidity	2.88	NTU	CAWA-11-14062
CDV-37-1(i)	632	03/31/11	WG	Turbidity	2.35	NTU	CAWA-11-5324
CDV-37-1(i)	632	12/01/10	WG	Turbidity	4.19	NTU	CAWA-11-2117
CDV-37-1(i)	632	09/21/10	WG	Turbidity	5.14	NTU	CAWA-10-25902
Martin Spring	—	01/18/12	WG	Dissolved Oxygen	7.82	mg/L	CAWA-12-1930
Martin Spring	—	09/15/11	WG	Dissolved Oxygen	6.91	mg/L	CAWA-11-27055
Martin Spring	—	04/05/11	WG	Dissolved Oxygen	7.51	mg/L	CAWA-11-5411
Martin Spring	—	09/14/10	WG	Dissolved Oxygen	6.17	mg/L	CAWA-10-25715
Martin Spring	—	04/13/10	WG	Dissolved Oxygen	6.72	mg/L	CAWA-10-14978
Martin Spring	—	01/18/12	WG	pH	7.3	SU	CAWA-12-1930
Martin Spring	—	09/15/11	WG	pH	7.27	SU	CAWA-11-27055
Martin Spring	—	04/05/11	WG	pH	6.75	SU	CAWA-11-5411
Martin Spring	—	09/14/10	WG	pH	6.61	SU	CAWA-10-25715
Martin Spring	—	04/13/10	WG	pH	6.55	SU	CAWA-10-14978
Martin Spring	—	01/18/12	WG	Specific Conductance	404	µS/cm	CAWA-12-1930

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Martin Spring	—	09/15/11	WG	Specific Conductance	344	µS/cm	CAWA-11-27055
Martin Spring	—	04/05/11	WG	Specific Conductance	370	µS/cm	CAWA-11-5411
Martin Spring	—	09/14/10	WG	Specific Conductance	383	µS/cm	CAWA-10-25715
Martin Spring	—	04/13/10	WG	Specific Conductance	338	µS/cm	CAWA-10-14978
Martin Spring	—	01/18/12	WG	Temperature	9.6	deg C	CAWA-12-1930
Martin Spring	—	09/15/11	WG	Temperature	12.82	deg C	CAWA-11-27055
Martin Spring	—	04/05/11	WG	Temperature	10.85	deg C	CAWA-11-5411
Martin Spring	—	09/14/10	WG	Temperature	11.31	deg C	CAWA-10-25715
Martin Spring	—	04/13/10	WG	Temperature	9.83	deg C	CAWA-10-14978
Martin Spring	—	01/18/12	WG	Turbidity	3.6	NTU	CAWA-12-1930
Martin Spring	—	09/15/11	WG	Turbidity	21.8	NTU	CAWA-11-27055
Martin Spring	—	04/05/11	WG	Turbidity	2.27	NTU	CAWA-11-5411
Martin Spring	—	09/14/10	WG	Turbidity	11.1	NTU	CAWA-10-25715
Martin Spring	—	04/13/10	WG	Turbidity	17.5	NTU	CAWA-10-14978
MSC-16-06295	1.5	01/23/12	WG	Dissolved Oxygen	3.53	mg/L	CAWA-12-1950
MSC-16-06295	1.5	09/12/11	WG	Dissolved Oxygen	0.29	mg/L	CAWA-11-27093
MSC-16-06295	1.5	03/30/11	WG	Dissolved Oxygen	0.42	mg/L	CAWA-11-5465
MSC-16-06295	1.5	09/14/10	WG	Dissolved Oxygen	2.95	mg/L	CAWA-10-25763
MSC-16-06295	1.5	04/08/10	WG	Dissolved Oxygen	1.35	mg/L	CAWA-10-15085
MSC-16-06295	1.5	01/23/12	WG	Oxidation Reduction Potential	−12.1	mV	CAWA-12-1950
MSC-16-06295	1.5	09/12/11	WG	Oxidation Reduction Potential	−51.2	mV	CAWA-11-27093
MSC-16-06295	1.5	03/30/11	WG	Oxidation Reduction Potential	113.9	mV	CAWA-11-5465
MSC-16-06295	1.5	04/08/10	WG	Oxidation Reduction Potential	240.1	mV	CAWA-10-15085
MSC-16-06295	1.5	10/13/09	WG	Oxidation Reduction Potential	394.2	mV	CAWA-09-13814
MSC-16-06295	1.5	01/23/12	WG	pH	6.3	SU	CAWA-12-1950
MSC-16-06295	1.5	09/12/11	WG	pH	6.2	SU	CAWA-11-27093
MSC-16-06295	1.5	03/30/11	WG	pH	6.22	SU	CAWA-11-5465
MSC-16-06295	1.5	09/14/10	WG	pH	6.22	SU	CAWA-10-25763

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MSC-16-06295	1.5	04/08/10	WG	pH	5.88	SU	CAWA-10-15085
MSC-16-06295	1.5	01/23/12	WG	Specific Conductance	142	µS/cm	CAWA-12-1950
MSC-16-06295	1.5	09/12/11	WG	Specific Conductance	180	µS/cm	CAWA-11-27093
MSC-16-06295	1.5	03/30/11	WG	Specific Conductance	127	µS/cm	CAWA-11-5465
MSC-16-06295	1.5	09/14/10	WG	Specific Conductance	279	µS/cm	CAWA-10-25763
MSC-16-06295	1.5	04/08/10	WG	Specific Conductance	124	µS/cm	CAWA-10-15085
MSC-16-06295	1.5	01/23/12	WG	Temperature	4.16	deg C	CAWA-12-1950
MSC-16-06295	1.5	09/12/11	WG	Temperature	15.06	deg C	CAWA-11-27093
MSC-16-06295	1.5	03/30/11	WG	Temperature	6.23	deg C	CAWA-11-5465
MSC-16-06295	1.5	09/14/10	WG	Temperature	16.79	deg C	CAWA-10-25763
MSC-16-06295	1.5	04/08/10	WG	Temperature	5.45	deg C	CAWA-10-15085
MSC-16-06295	1.5	01/23/12	WG	Turbidity	79.6	NTU	CAWA-12-1950
MSC-16-06295	1.5	09/12/11	WG	Turbidity	9.36	NTU	CAWA-11-27093
MSC-16-06295	1.5	03/30/11	WG	Turbidity	100.5	NTU	CAWA-11-5465
MSC-16-06295	1.5	09/14/10	WG	Turbidity	4.83	NTU	CAWA-10-25763
MSC-16-06295	1.5	04/08/10	WG	Turbidity	80	NTU	CAWA-10-15085
R-18	1358	01/17/12	WG	Dissolved Oxygen	5.82	mg/L	CAPA-12-2038
R-18	1358	09/07/11	WG	Dissolved Oxygen	5.46	mg/L	CAWA-11-27164
R-18	1358	04/22/11	WG	Dissolved Oxygen	6.06	mg/L	CAPA-11-9292
R-18	1358	10/21/10	WG	Dissolved Oxygen	5.09	mg/L	CAPA-10-27415
R-18	1358	03/11/10	WG	Dissolved Oxygen	9.31	mg/L	CAPA-10-12807
R-18	1358	01/17/12	WG	Oxidation Reduction Potential	139.3	mV	CAPA-12-2038
R-18	1358	09/07/11	WG	Oxidation Reduction Potential	163.5	mV	CAWA-11-27164
R-18	1358	04/22/11	WG	Oxidation Reduction Potential	113.5	mV	CAPA-11-9292
R-18	1358	10/21/10	WG	Oxidation Reduction Potential	500.9	mV	CAPA-10-27415
R-18	1358	03/11/10	WG	Oxidation Reduction Potential	275.8	mV	CAPA-10-12807
R-18	1358	01/17/12	WG	pH	7.76	SU	CAPA-12-2038
R-18	1358	09/07/11	WG	pH	7.76	SU	CAWA-11-27164

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-18	1358	04/22/11	WG	pH	7.74	SU	CAPA-11-9292
R-18	1358	10/21/10	WG	pH	7.47	SU	CAPA-10-27415
R-18	1358	03/11/10	WG	pH	7.59	SU	CAPA-10-12807
R-18	1358	01/17/12	WG	Purge Volume	6.1	gal.	CAPA-12-2038
R-18	1358	06/25/08	WG	Purge Volume	135	gal.	CAPA-08-13165
R-18	1358	03/07/08	WG	Purge Volume	273	gal.	CAPA-08-11037
R-18	1358	12/04/07	WG	Purge Volume	1.5	gal.	CAPA-08-9366
R-18	1358	09/04/07	WG	Purge Volume	230	gal.	FU070800G18R01
R-18	1358	01/17/12	WG	Specific Conductance	107	µS/cm	CAPA-12-2038
R-18	1358	09/07/11	WG	Specific Conductance	109	µS/cm	CAWA-11-27164
R-18	1358	04/22/11	WG	Specific Conductance	113	µS/cm	CAPA-11-9292
R-18	1358	10/21/10	WG	Specific Conductance	113	µS/cm	CAPA-10-27415
R-18	1358	03/11/10	WG	Specific Conductance	117	µS/cm	CAPA-10-12807
R-18	1358	01/17/12	WG	Temperature	15.48	deg C	CAPA-12-2038
R-18	1358	09/07/11	WG	Temperature	16.12	deg C	CAWA-11-27164
R-18	1358	04/22/11	WG	Temperature	15.73	deg C	CAPA-11-9292
R-18	1358	10/21/10	WG	Temperature	15.53	deg C	CAPA-10-27415
R-18	1358	03/11/10	WG	Temperature	14.35	deg C	CAPA-10-12807
R-18	1358	01/17/12	WG	Turbidity	0.23	NTU	CAPA-12-2038
R-18	1358	09/07/11	WG	Turbidity	0.18	NTU	CAWA-11-27164
R-18	1358	04/22/11	WG	Turbidity	0.55	NTU	CAPA-11-9292
R-18	1358	10/21/10	WG	Turbidity	0.27	NTU	CAPA-10-27415
R-18	1358	03/11/10	WG	Turbidity	0.81	NTU	CAPA-10-12807
R-25	754.8	01/11/12	WG	Dissolved Oxygen	7.46	mg/L	CAWA-12-2004
R-25	754.8	09/09/11	WG	Dissolved Oxygen	6.54	mg/L	CAWA-11-27108
R-25	754.8	06/14/11	WG	Dissolved Oxygen	6.3	mg/L	CAWA-11-13984
R-25	754.8	09/21/10	WG	Dissolved Oxygen	5.29	mg/L	CAWA-10-25800
R-25	754.8	03/31/09	WG	Dissolved Oxygen	5.95	mg/L	CAWA-09-5594

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-25	754.8	01/11/12	WG	pH	7.29	SU	CAWA-12-2004
R-25	754.8	09/09/11	WG	pH	7.14	SU	CAWA-11-27108
R-25	754.8	06/14/11	WG	pH	7.6	SU	CAWA-11-13984
R-25	754.8	09/21/10	WG	pH	6.69	SU	CAWA-10-25800
R-25	754.8	01/11/12	WG	Specific Conductance	187	µS/cm	CAWA-12-2004
R-25	754.8	09/09/11	WG	Specific Conductance	184	µS/cm	CAWA-11-27108
R-25	754.8	06/14/11	WG	Specific Conductance	197	µS/cm	CAWA-11-13984
R-25	754.8	09/21/10	WG	Specific Conductance	189	µS/cm	CAWA-10-25800
R-25	754.8	01/11/12	WG	Temperature	9.38	deg C	CAWA-12-2004
R-25	754.8	09/09/11	WG	Temperature	12.39	deg C	CAWA-11-27108
R-25	754.8	06/14/11	WG	Temperature	15.61	deg C	CAWA-11-13984
R-25	754.8	09/21/10	WG	Temperature	14.29	deg C	CAWA-10-25800
R-25	754.8	03/31/09	WG	Temperature	12.31	deg C	CAWA-09-5594
R-25	754.8	01/11/12	WG	Turbidity	5.58	NTU	CAWA-12-2004
R-25	754.8	09/09/11	WG	Turbidity	19.2	NTU	CAWA-11-27108
R-25	754.8	06/14/11	WG	Turbidity	8.87	NTU	CAWA-11-13984
R-25	754.8	09/21/10	WG	Turbidity	11.3	NTU	CAWA-10-25800
R-25	754.8	03/31/09	WG	Turbidity	14.41	NTU	CAWA-09-5594
R-25	891.8	02/05/02	WG	Alkalinity-CO3+HCO3	210	mg/L	GW25-02-0003
R-25	891.8	01/12/12	WG	Dissolved Oxygen	7.96	mg/L	CAWA-12-1970
R-25	891.8	06/15/11	WG	Dissolved Oxygen	3.97	mg/L	CAWA-11-13989
R-25	891.8	09/21/10	WG	Dissolved Oxygen	7.67	mg/L	CAWA-10-25814
R-25	891.8	04/06/10	WG	Dissolved Oxygen	5.29	mg/L	CAWA-10-15241
R-25	891.8	10/16/09	WG	Dissolved Oxygen	10.17	mg/L	CAWA-09-14195
R-25	891.8	01/12/12	WG	pH	6.44	SU	CAWA-12-1970
R-25	891.8	09/12/11	WG	pH	6.33	SU	CAWA-11-27141
R-25	891.8	06/15/11	WG	pH	6.65	SU	CAWA-11-13989
R-25	891.8	09/21/10	WG	pH	6.5	SU	CAWA-10-25814

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-25	891.8	04/06/10	WG	pH	6.24	SU	CAWA-10-15241
R-25	891.8	01/12/12	WG	Specific Conductance	202	µS/cm	CAWA-12-1970
R-25	891.8	09/12/11	WG	Specific Conductance	285	µS/cm	CAWA-11-27141
R-25	891.8	06/15/11	WG	Specific Conductance	318	µS/cm	CAWA-11-13989
R-25	891.8	09/21/10	WG	Specific Conductance	230	µS/cm	CAWA-10-25814
R-25	891.8	04/06/10	WG	Specific Conductance	258	µS/cm	CAWA-10-15241
R-25	891.8	01/12/12	WG	Temperature	9.04	deg C	CAWA-12-1970
R-25	891.8	09/12/11	WG	Temperature	13.83	deg C	CAWA-11-27141
R-25	891.8	06/15/11	WG	Temperature	15.15	deg C	CAWA-11-13989
R-25	891.8	09/21/10	WG	Temperature	13.7	deg C	CAWA-10-25814
R-25	891.8	04/06/10	WG	Temperature	11.38	deg C	CAWA-10-15241
R-25	891.8	01/12/12	WG	Turbidity	145	NTU	CAWA-12-1970
R-25	891.8	09/12/11	WG	Turbidity	91.8	NTU	CAWA-11-27141
R-25	891.8	06/15/11	WG	Turbidity	68.8	NTU	CAWA-11-13989
R-25	891.8	09/21/10	WG	Turbidity	107	NTU	CAWA-10-25814
R-25	891.8	04/06/10	WG	Turbidity	29	NTU	CAWA-10-15241
R-25	1192.4	01/12/12	WG	Dissolved Oxygen	8.18	mg/L	CAWA-12-1973
R-25	1192.4	09/12/11	WG	Dissolved Oxygen	4.71	mg/L	CAWA-11-27111
R-25	1192.4	06/15/11	WG	Dissolved Oxygen	6	mg/L	CAWA-11-13986
R-25	1192.4	09/21/10	WG	Dissolved Oxygen	6.55	mg/L	CAWA-10-25802
R-25	1192.4	04/07/10	WG	Dissolved Oxygen	7.06	mg/L	CAWA-10-15187
R-25	1192.4	01/12/12	WG	pH	7.34	SU	CAWA-12-1973
R-25	1192.4	09/12/11	WG	pH	7.61	SU	CAWA-11-27111
R-25	1192.4	06/15/11	WG	pH	7.68	SU	CAWA-11-13986
R-25	1192.4	09/21/10	WG	pH	6.9	SU	CAWA-10-25802
R-25	1192.4	04/07/10	WG	pH	7.88	SU	CAWA-10-15187
R-25	1192.4	01/12/12	WG	Specific Conductance	229	µS/cm	CAWA-12-1973
R-25	1192.4	09/12/11	WG	Specific Conductance	230	µS/cm	CAWA-11-27111

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-25	1192.4	06/15/11	WG	Specific Conductance	219	µS/cm	CAWA-11-13986
R-25	1192.4	09/21/10	WG	Specific Conductance	207	µS/cm	CAWA-10-25802
R-25	1192.4	04/07/10	WG	Specific Conductance	197	µS/cm	CAWA-10-15187
R-25	1192.4	01/12/12	WG	Temperature	9.16	deg C	CAWA-12-1973
R-25	1192.4	09/12/11	WG	Temperature	15.61	deg C	CAWA-11-27111
R-25	1192.4	06/15/11	WG	Temperature	15.25	deg C	CAWA-11-13986
R-25	1192.4	09/21/10	WG	Temperature	14.5	deg C	CAWA-10-25802
R-25	1192.4	04/07/10	WG	Temperature	11.88	deg C	CAWA-10-15187
R-25	1192.4	01/12/12	WG	Turbidity	2.7	NTU	CAWA-12-1973
R-25	1192.4	09/12/11	WG	Turbidity	1.82	NTU	CAWA-11-27111
R-25	1192.4	06/15/11	WG	Turbidity	2.78	NTU	CAWA-11-13986
R-25	1192.4	09/21/10	WG	Turbidity	1.9	NTU	CAWA-10-25802
R-25	1192.4	04/07/10	WG	Turbidity	0.93	NTU	CAWA-10-15187
R-25	1303.4	01/13/12	WG	Dissolved Oxygen	5.96	mg/L	CAWA-12-1988
R-25	1303.4	09/19/11	WG	Dissolved Oxygen	4.8	mg/L	CAWA-11-27151
R-25	1303.4	06/15/11	WG	Dissolved Oxygen	4.64	mg/L	CAWA-11-13995
R-25	1303.4	09/23/10	WG	Dissolved Oxygen	3.78	mg/L	CAWA-10-25846
R-25	1303.4	04/07/10	WG	Dissolved Oxygen	4.11	mg/L	CAWA-10-15214
R-25	1303.4	01/13/12	WG	pH	7.64	SU	CAWA-12-1988
R-25	1303.4	09/19/11	WG	pH	7.4	SU	CAWA-11-27151
R-25	1303.4	06/15/11	WG	pH	8.24	SU	CAWA-11-13995
R-25	1303.4	09/23/10	WG	pH	7.51	SU	CAWA-10-25846
R-25	1303.4	04/07/10	WG	pH	7.77	SU	CAWA-10-15214
R-25	1303.4	01/13/12	WG	Specific Conductance	207	µS/cm	CAWA-12-1988
R-25	1303.4	09/19/11	WG	Specific Conductance	214	µS/cm	CAWA-11-27151
R-25	1303.4	06/15/11	WG	Specific Conductance	222	µS/cm	CAWA-11-13995
R-25	1303.4	09/23/10	WG	Specific Conductance	219	µS/cm	CAWA-10-25846
R-25	1303.4	04/07/10	WG	Specific Conductance	212	µS/cm	CAWA-10-15214

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-25	1303.4	01/13/12	WG	Temperature	10.27	deg C	CAWA-12-1988
R-25	1303.4	09/19/11	WG	Temperature	15.06	deg C	CAWA-11-27151
R-25	1303.4	06/15/11	WG	Temperature	15.3	deg C	CAWA-11-13995
R-25	1303.4	09/23/10	WG	Temperature	14.95	deg C	CAWA-10-25846
R-25	1303.4	04/07/10	WG	Temperature	12.37	deg C	CAWA-10-15214
R-25	1303.4	01/13/12	WG	Turbidity	1	NTU	CAWA-12-1988
R-25	1303.4	09/19/11	WG	Turbidity	0.21	NTU	CAWA-11-27151
R-25	1303.4	06/15/11	WG	Turbidity	0.77	NTU	CAWA-11-13995
R-25	1303.4	09/23/10	WG	Turbidity	1.11	NTU	CAWA-10-25846
R-25	1303.4	04/07/10	WG	Turbidity	1.45	NTU	CAWA-10-15214
R-25	1406.3	01/13/12	WG	Dissolved Oxygen	5.92	mg/L	CAWA-12-1990
R-25	1406.3	09/15/11	WG	Dissolved Oxygen	8.41	mg/L	CAWA-11-27153
R-25	1406.3	06/16/11	WG	Dissolved Oxygen	5.58	mg/L	CAWA-11-14000
R-25	1406.3	09/22/10	WG	Dissolved Oxygen	6.32	mg/L	CAWA-10-25851
R-25	1406.3	04/08/10	WG	Dissolved Oxygen	4.85	mg/L	CAWA-10-15191
R-25	1406.3	01/13/12	WG	pH	8.14	SU	CAWA-12-1990
R-25	1406.3	09/15/11	WG	pH	8.02	SU	CAWA-11-27153
R-25	1406.3	06/16/11	WG	pH	7.85	SU	CAWA-11-14000
R-25	1406.3	09/22/10	WG	pH	7.88	SU	CAWA-10-25851
R-25	1406.3	04/08/10	WG	pH	7.73	SU	CAWA-10-15191
R-25	1406.3	01/13/12	WG	Specific Conductance	131	µS/cm	CAWA-12-1990
R-25	1406.3	09/15/11	WG	Specific Conductance	140	µS/cm	CAWA-11-27153
R-25	1406.3	06/16/11	WG	Specific Conductance	152	µS/cm	CAWA-11-14000
R-25	1406.3	09/22/10	WG	Specific Conductance	154	µS/cm	CAWA-10-25851
R-25	1406.3	04/08/10	WG	Specific Conductance	128	µS/cm	CAWA-10-15191
R-25	1406.3	01/13/12	WG	Temperature	11.47	deg C	CAWA-12-1990
R-25	1406.3	09/15/11	WG	Temperature	15.37	deg C	CAWA-11-27153
R-25	1406.3	06/16/11	WG	Temperature	15.79	deg C	CAWA-11-14000

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-25	1406.3	09/22/10	WG	Temperature	15.79	deg C	CAWA-10-25851
R-25	1406.3	04/08/10	WG	Temperature	13.6	deg C	CAWA-10-15191
R-25	1406.3	01/13/12	WG	Turbidity	0.79	NTU	CAWA-12-1990
R-25	1406.3	09/15/11	WG	Turbidity	0.48	NTU	CAWA-11-27153
R-25	1406.3	06/16/11	WG	Turbidity	0.48	NTU	CAWA-11-14000
R-25	1406.3	09/22/10	WG	Turbidity	3.13	NTU	CAWA-10-25851
R-25	1406.3	04/08/10	WG	Turbidity	1.38	NTU	CAWA-10-15191
R-25	1606	01/17/12	WG	Dissolved Oxygen	7.85	mg/L	CAWA-12-1996
R-25	1606	09/14/11	WG	Dissolved Oxygen	7.62	mg/L	CAWA-11-27156
R-25	1606	06/16/11	WG	Dissolved Oxygen	7.07	mg/L	CAWA-11-14004
R-25	1606	09/23/10	WG	Dissolved Oxygen	7.89	mg/L	CAWA-10-25865
R-25	1606	04/08/10	WG	Dissolved Oxygen	10.55	mg/L	CAWA-10-15196
R-25	1606	01/17/12	WG	pH	8.09	SU	CAWA-12-1996
R-25	1606	09/14/11	WG	pH	8.17	SU	CAWA-11-27156
R-25	1606	06/16/11	WG	pH	7.94	SU	CAWA-11-14004
R-25	1606	09/23/10	WG	pH	7.81	SU	CAWA-10-25865
R-25	1606	01/17/12	WG	Specific Conductance	110	µS/cm	CAWA-12-1996
R-25	1606	09/14/11	WG	Specific Conductance	115	µS/cm	CAWA-11-27156
R-25	1606	06/16/11	WG	Specific Conductance	106	µS/cm	CAWA-11-14004
R-25	1606	09/23/10	WG	Specific Conductance	119	µS/cm	CAWA-10-25865
R-25	1606	01/17/12	WG	Temperature	12.23	deg C	CAWA-12-1996
R-25	1606	09/14/11	WG	Temperature	14.79	deg C	CAWA-11-27156
R-25	1606	06/16/11	WG	Temperature	16.73	deg C	CAWA-11-14004
R-25	1606	09/23/10	WG	Temperature	15.5	deg C	CAWA-10-25865
R-25	1606	04/08/10	WG	Temperature	13.9	deg C	CAWA-10-15196
R-25	1606	01/17/12	WG	Turbidity	0.94	NTU	CAWA-12-1996
R-25	1606	09/14/11	WG	Turbidity	0.92	NTU	CAWA-11-27156
R-25	1606	06/16/11	WG	Turbidity	0.68	NTU	CAWA-11-14004

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-25	1606	09/23/10	WG	Turbidity	0.59	NTU	CAWA-10-25865
R-25	1606	04/08/10	WG	Turbidity	1.06	NTU	CAWA-10-15196
R-25b	750	01/23/12	WG	Dissolved Oxygen	5.03	mg/L	CAWA-12-1978
R-25b	750	09/15/11	WG	Dissolved Oxygen	5.16	mg/L	CAWA-11-27115
R-25b	750	04/07/11	WG	Dissolved Oxygen	4.65	mg/L	CAWA-11-5339
R-25b	750	09/08/10	WG	Dissolved Oxygen	4.02	mg/L	CAWA-10-25899
R-25b	750	04/21/10	WG	Dissolved Oxygen	4.03	mg/L	CAWA-10-15174
R-25b	750	01/23/12	WG	Oxidation Reduction Potential	151.3	mV	CAWA-12-1978
R-25b	750	09/15/11	WG	Oxidation Reduction Potential	200.3	mV	CAWA-11-27115
R-25b	750	04/07/11	WG	Oxidation Reduction Potential	212.2	mV	CAWA-11-5339
R-25b	750	09/08/10	WG	Oxidation Reduction Potential	88.6	mV	CAWA-10-25899
R-25b	750	04/21/10	WG	Oxidation Reduction Potential	65.6	mV	CAWA-10-15174
R-25b	750	01/23/12	WG	pH	7.61	SU	CAWA-12-1978
R-25b	750	09/15/11	WG	pH	7.42	SU	CAWA-11-27115
R-25b	750	04/07/11	WG	pH	7.36	SU	CAWA-11-5339
R-25b	750	09/08/10	WG	pH	6.95	SU	CAWA-10-25899
R-25b	750	01/23/12	WG	Specific Conductance	140	µS/cm	CAWA-12-1978
R-25b	750	09/15/11	WG	Specific Conductance	138	µS/cm	CAWA-11-27115
R-25b	750	04/07/11	WG	Specific Conductance	152	µS/cm	CAWA-11-5339
R-25b	750	09/08/10	WG	Specific Conductance	153	µS/cm	CAWA-10-25899
R-25b	750	01/23/12	WG	Temperature	9.26	deg C	CAWA-12-1978
R-25b	750	09/15/11	WG	Temperature	10.46	deg C	CAWA-11-27115
R-25b	750	04/07/11	WG	Temperature	9.67	deg C	CAWA-11-5339
R-25b	750	09/08/10	WG	Temperature	10.84	deg C	CAWA-10-25899
R-25b	750	04/21/10	WG	Temperature	12.13	deg C	CAWA-10-15174
R-25b	750	01/23/12	WG	Turbidity	7.6	NTU	CAWA-12-1978
R-25b	750	09/15/11	WG	Turbidity	9.95	NTU	CAWA-11-27115
R-25b	750	04/07/11	WG	Turbidity	10.6	NTU	CAWA-11-5339

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-25b	750	09/08/10	WG	Turbidity	13.9	NTU	CAWA-10-25899
R-25b	750	04/21/10	WG	Turbidity	10.4	NTU	CAWA-10-15174
R-26	659.3	01/26/12	WG	Dissolved Oxygen	7.15	mg/L	CAWA-12-2013
R-26	659.3	12/09/11	WG	Dissolved Oxygen	7.17	mg/L	CAWA-12-1760
R-26	659.3	09/16/11	WG	Dissolved Oxygen	7.24	mg/L	CAWA-11-27036
R-26	659.3	09/16/11	WG	Dissolved Oxygen	7.19	mg/L	CAWA-11-27034
R-26	659.3	09/16/11	WG	Dissolved Oxygen	5.92	mg/L	CAWA-11-27032
R-26	659.3	01/26/12	WG	Oxidation Reduction Potential	−23.1	mV	CAWA-12-2013
R-26	659.3	12/09/11	WG	Oxidation Reduction Potential	44.1	mV	CAWA-12-1760
R-26	659.3	09/16/11	WG	Oxidation Reduction Potential	−60.9	mV	CAWA-11-27036
R-26	659.3	09/16/11	WG	Oxidation Reduction Potential	5.9	mV	CAWA-11-27034
R-26	659.3	09/16/11	WG	Oxidation Reduction Potential	−66	mV	CAWA-11-27032
R-26	659.3	01/26/12	WG	pH	7.58	SU	CAWA-12-2013
R-26	659.3	12/09/11	WG	pH	7.61	SU	CAWA-12-1760
R-26	659.3	09/16/11	WG	pH	7.69	SU	CAWA-11-27036
R-26	659.3	09/16/11	WG	pH	7.67	SU	CAWA-11-27034
R-26	659.3	09/16/11	WG	pH	7.64	SU	CAWA-11-27032
R-26	659.3	01/26/12	WG	Specific Conductance	99	µS/cm	CAWA-12-2013
R-26	659.3	12/09/11	WG	Specific Conductance	102	µS/cm	CAWA-12-1760
R-26	659.3	09/16/11	WG	Specific Conductance	100	µS/cm	CAWA-11-27036
R-26	659.3	09/16/11	WG	Specific Conductance	100	µS/cm	CAWA-11-27034
R-26	659.3	09/16/11	WG	Specific Conductance	100	µS/cm	CAWA-11-27032
R-26	659.3	01/26/12	WG	Temperature	15.46	deg C	CAWA-12-2013
R-26	659.3	12/09/11	WG	Temperature	15.31	deg C	CAWA-12-1760
R-26	659.3	09/16/11	WG	Temperature	15.91	deg C	CAWA-11-27036
R-26	659.3	09/16/11	WG	Temperature	15.96	deg C	CAWA-11-27034
R-26	659.3	09/16/11	WG	Temperature	15.63	deg C	CAWA-11-27032
R-26	659.3	01/26/12	WG	Turbidity	1.37	NTU	CAWA-12-2013

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-26	659.3	12/09/11	WG	Turbidity	2.23	NTU	CAWA-12-1760
R-26	659.3	09/16/11	WG	Turbidity	4.51	NTU	CAWA-11-27036
R-26	659.3	09/16/11	WG	Turbidity	6.86	NTU	CAWA-11-27034
R-26	659.3	09/16/11	WG	Turbidity	14.3	NTU	CAWA-11-27032
R-26 PZ-2	150	01/26/12	WG	Dissolved Oxygen	6.97	mg/L	CAWA-12-1980
R-26 PZ-2	150	09/19/11	WG	Dissolved Oxygen	8.17	mg/L	CAWA-11-27097
R-26 PZ-2	150	04/05/11	WG	Dissolved Oxygen	8.99	mg/L	CAWA-11-5343
R-26 PZ-2	150	09/10/10	WG	Dissolved Oxygen	8.36	mg/L	CAWA-10-25784
R-26 PZ-2	150	04/05/10	WG	Dissolved Oxygen	8.78	mg/L	CAWA-10-15178
R-26 PZ-2	150	01/26/12	WG	Oxidation Reduction Potential	−20.4	mV	CAWA-12-1980
R-26 PZ-2	150	09/19/11	WG	Oxidation Reduction Potential	352.8	mV	CAWA-11-27097
R-26 PZ-2	150	04/05/11	WG	Oxidation Reduction Potential	258.8	mV	CAWA-11-5343
R-26 PZ-2	150	09/10/10	WG	Oxidation Reduction Potential	356.5	mV	CAWA-10-25784
R-26 PZ-2	150	04/05/10	WG	Oxidation Reduction Potential	177.7	mV	CAWA-10-15178
R-26 PZ-2	150	01/26/12	WG	pH	7.21	SU	CAWA-12-1980
R-26 PZ-2	150	09/19/11	WG	pH	7.2	SU	CAWA-11-27097
R-26 PZ-2	150	04/05/11	WG	pH	7.16	SU	CAWA-11-5343
R-26 PZ-2	150	09/10/10	WG	pH	7.04	SU	CAWA-10-25784
R-26 PZ-2	150	04/05/10	WG	pH	7.05	SU	CAWA-10-15178
R-26 PZ-2	150	01/26/12	WG	Specific Conductance	206	µS/cm	CAWA-12-1980
R-26 PZ-2	150	09/19/11	WG	Specific Conductance	233	µS/cm	CAWA-11-27097
R-26 PZ-2	150	04/05/11	WG	Specific Conductance	146	µS/cm	CAWA-11-5343
R-26 PZ-2	150	09/10/10	WG	Specific Conductance	205	µS/cm	CAWA-10-25784
R-26 PZ-2	150	04/05/10	WG	Specific Conductance	229	µS/cm	CAWA-10-15178
R-26 PZ-2	150	01/26/12	WG	Temperature	9.45	deg C	CAWA-12-1980
R-26 PZ-2	150	09/19/11	WG	Temperature	12.34	deg C	CAWA-11-27097
R-26 PZ-2	150	04/05/11	WG	Temperature	12.76	deg C	CAWA-11-5343
R-26 PZ-2	150	09/10/10	WG	Temperature	15.2	deg C	CAWA-10-25784

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-26 PZ-2	150	04/05/10	WG	Temperature	12.52	deg C	CAWA-10-15178
R-26 PZ-2	150	01/26/12	WG	Turbidity	877	NTU	CAWA-12-1980
R-26 PZ-2	150	09/19/11	WG	Turbidity	563	NTU	CAWA-11-27097
R-26 PZ-2	150	04/05/11	WG	Turbidity	70.8	NTU	CAWA-11-5343
R-26 PZ-2	150	09/10/10	WG	Turbidity	312	NTU	CAWA-10-25784
R-26 PZ-2	150	04/05/10	WG	Turbidity	1000	NTU	CAWA-10-15178
R-47i	840	01/24/12	WG	Dissolved Oxygen	5.7	mg/L	CAWA-12-1984
R-47i	840	09/08/11	WG	Dissolved Oxygen	5.76	mg/L	CAWA-11-27179
R-47i	840	09/08/11	WG	Dissolved Oxygen	5.81	mg/L	CAWA-11-26910
R-47i	840	09/08/11	WG	Dissolved Oxygen	6.94	mg/L	CAWA-11-26908
R-47i	840	09/08/11	WG	Dissolved Oxygen	6.91	mg/L	CAWA-11-26907
R-47i	840	01/24/12	WG	Oxidation Reduction Potential	−3.5	mV	CAWA-12-1984
R-47i	840	09/08/11	WG	Oxidation Reduction Potential	126.8	mV	CAWA-11-27179
R-47i	840	09/08/11	WG	Oxidation Reduction Potential	128.8	mV	CAWA-11-26910
R-47i	840	09/08/11	WG	Oxidation Reduction Potential	139.2	mV	CAWA-11-26908
R-47i	840	09/08/11	WG	Oxidation Reduction Potential	137.1	mV	CAWA-11-26907
R-47i	840	01/24/12	WG	pH	7.27	SU	CAWA-12-1984
R-47i	840	09/08/11	WG	pH	7.33	SU	CAWA-11-27179
R-47i	840	09/08/11	WG	pH	7.32	SU	CAWA-11-26910
R-47i	840	09/08/11	WG	pH	7.3	SU	CAWA-11-26908
R-47i	840	09/08/11	WG	pH	7.26	SU	CAWA-11-26907
R-47i	840	01/24/12	WG	Specific Conductance	142	µS/cm	CAWA-12-1984
R-47i	840	09/08/11	WG	Specific Conductance	147	µS/cm	CAWA-11-27179
R-47i	840	09/08/11	WG	Specific Conductance	146	µS/cm	CAWA-11-26910
R-47i	840	09/08/11	WG	Specific Conductance	127	µS/cm	CAWA-11-26908
R-47i	840	09/08/11	WG	Specific Conductance	125	µS/cm	CAWA-11-26907
R-47i	840	01/24/12	WG	Temperature	13.27	deg C	CAWA-12-1984
R-47i	840	09/08/11	WG	Temperature	14.95	deg C	CAWA-11-27179

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-47i	840	09/08/11	WG	Temperature	14.95	deg C	CAWA-11-26910
R-47i	840	09/08/11	WG	Temperature	14.7	deg C	CAWA-11-26908
R-47i	840	09/08/11	WG	Temperature	13.72	deg C	CAWA-11-26907
R-47i	840	01/24/12	WG	Turbidity	2.47	NTU	CAWA-12-1984
R-47i	840	09/08/11	WG	Turbidity	1.04	NTU	CAWA-11-27179
R-47i	840	09/08/11	WG	Turbidity	1.24	NTU	CAWA-11-26910
R-47i	840	09/08/11	WG	Turbidity	0.88	NTU	CAWA-11-26908
R-47i	840	09/08/11	WG	Turbidity	2.49	NTU	CAWA-11-26907
R-48	1500	01/18/12	WG	Dissolved Oxygen	7.44	mg/L	CAWA-12-2000
R-48	1500	09/13/11	WG	Dissolved Oxygen	8.46	mg/L	CAWA-11-27181
R-48	1500	09/13/11	WG	Dissolved Oxygen	8.46	mg/L	CAWA-11-26904
R-48	1500	09/13/11	WG	Dissolved Oxygen	8.76	mg/L	CAWA-11-26902
R-48	1500	09/13/11	WG	Dissolved Oxygen	7.87	mg/L	CAWA-11-26900
R-48	1500	06/22/11	WG	Dissolved Oxygen	6.64	mg/L	CAWA-11-14011
R-48	1500	01/18/12	WG	Oxidation Reduction Potential	199.5	mV	CAWA-12-2000
R-48	1500	09/13/11	WG	Oxidation Reduction Potential	118.5	mV	CAWA-11-26904
R-48	1500	09/13/11	WG	Oxidation Reduction Potential	118.5	mV	CAWA-11-27181
R-48	1500	09/13/11	WG	Oxidation Reduction Potential	119.6	mV	CAWA-11-26902
R-48	1500	09/13/11	WG	Oxidation Reduction Potential	117	mV	CAWA-11-26900
R-48	1500	06/22/11	WG	Oxidation Reduction Potential	245.8	mV	CAWA-11-14011
R-48	1500	01/18/12	WG	pH	8.31	SU	CAWA-12-2000
R-48	1500	09/13/11	WG	pH	8.17	SU	CAWA-11-26904
R-48	1500	09/13/11	WG	pH	8.17	SU	CAWA-11-27181
R-48	1500	09/13/11	WG	pH	8.16	SU	CAWA-11-26902
R-48	1500	09/13/11	WG	pH	7.97	SU	CAWA-11-26900
R-48	1500	01/18/12	WG	Specific Conductance	129	µS/cm	CAWA-12-2000
R-48	1500	09/13/11	WG	Specific Conductance	124	µS/cm	CAWA-11-27181
R-48	1500	09/13/11	WG	Specific Conductance	124	µS/cm	CAWA-11-26904

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-48	1500	09/13/11	WG	Specific Conductance	130	µS/cm	CAWA-11-26902
R-48	1500	09/13/11	WG	Specific Conductance	127	µS/cm	CAWA-11-26900
R-48	1500	01/18/12	WG	Temperature	19.98	deg C	CAWA-12-2000
R-48	1500	09/13/11	WG	Temperature	20.85	deg C	CAWA-11-26904
R-48	1500	09/13/11	WG	Temperature	20.85	deg C	CAWA-11-27181
R-48	1500	09/13/11	WG	Temperature	20.78	deg C	CAWA-11-26902
R-48	1500	09/13/11	WG	Temperature	20.23	deg C	CAWA-11-26900
R-48	1500	06/22/11	WG	Temperature	21.44	deg C	CAWA-11-14011
R-48	1500	01/18/12	WG	Turbidity	3.45	NTU	CAWA-12-2000
R-48	1500	09/13/11	WG	Turbidity	4.53	NTU	CAWA-11-26904
R-48	1500	09/13/11	WG	Turbidity	4.53	NTU	CAWA-11-27181
R-48	1500	09/13/11	WG	Turbidity	4.77	NTU	CAWA-11-26902
R-48	1500	09/13/11	WG	Turbidity	4.86	NTU	CAWA-11-26900
R-48	1500	06/22/11	WG	Turbidity	2.38	NTU	CAWA-11-14011
R-63	1325	01/20/12	WG	Dissolved Oxygen	6.31	mg/L	CAWA-12-2016
R-63	1325	12/16/11	WG	Dissolved Oxygen	6.52	mg/L	CAWA-12-1764
R-63	1325	09/08/11	WG	Dissolved Oxygen	6.52	mg/L	CAWA-11-26898
R-63	1325	09/08/11	WG	Dissolved Oxygen	6.5	mg/L	CAWA-11-27190
R-63	1325	09/08/11	WG	Dissolved Oxygen	6.51	mg/L	CAWA-11-26886
R-63	1325	01/20/12	WG	Oxidation Reduction Potential	185.8	mV	CAWA-12-2016
R-63	1325	12/16/11	WG	Oxidation Reduction Potential	139.2	mV	CAWA-12-1764
R-63	1325	09/08/11	WG	Oxidation Reduction Potential	202.6	mV	CAWA-11-26898
R-63	1325	09/08/11	WG	Oxidation Reduction Potential	201.9	mV	CAWA-11-27190
R-63	1325	09/08/11	WG	Oxidation Reduction Potential	201.9	mV	CAWA-11-26886
R-63	1325	01/20/12	WG	pH	7.52	SU	CAWA-12-2016
R-63	1325	12/16/11	WG	pH	7.62	SU	CAWA-12-1764
R-63	1325	09/08/11	WG	pH	7.54	SU	CAWA-11-26898
R-63	1325	09/08/11	WG	pH	7.55	SU	CAWA-11-27190

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-63	1325	01/20/12	WG	Specific Conductance	102	µS/cm	CAWA-12-2016
R-63	1325	12/16/11	WG	Specific Conductance	103	µS/cm	CAWA-12-1764
R-63	1325	09/08/11	WG	Specific Conductance	103	µS/cm	CAWA-11-26898
R-63	1325	09/08/11	WG	Specific Conductance	102	µS/cm	CAWA-11-27190
R-63	1325	01/20/12	WG	Temperature	13.73	deg C	CAWA-12-2016
R-63	1325	12/16/11	WG	Temperature	12.05	deg C	CAWA-12-1764
R-63	1325	09/08/11	WG	Temperature	14.34	deg C	CAWA-11-26898
R-63	1325	09/08/11	WG	Temperature	14.42	deg C	CAWA-11-27190
R-63	1325	09/08/11	WG	Temperature	14.4	deg C	CAWA-11-26886
R-63	1325	01/20/12	WG	Turbidity	3.59	NTU	CAWA-12-2016
R-63	1325	12/16/11	WG	Turbidity	1.1	NTU	CAWA-12-1764
R-63	1325	09/08/11	WG	Turbidity	6.74	NTU	CAWA-11-26898
R-63	1325	09/08/11	WG	Turbidity	2.33	NTU	CAWA-11-27190
R-63	1325	09/08/11	WG	Turbidity	2.49	NTU	CAWA-11-26886

[a] WG = Groundwater.

[b] SU = Standard unit.

[c] NTU = Nephelometric turbidity unit.

[d] — = Not applicable.

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 TA-16 260 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
16-26644	130	03/02/11	WG	F	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.89	—	—	—	permil	—	—	11-1501	RE16-11-3297	EES6
16-26644	130	03/02/11	WG	F	DUP	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.81	—	—	—	permil	—	—	11-1501	RE16-11-3297	EES6
16-26644	130	03/02/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.87	—	—	—	permil	—	—	11-1501	RE16-11-3292	EES6
16-26644	130	03/02/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.07	—	—	—	permil	—	—	11-1501	RE16-11-3292	EES6
16-26644	130	11/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.80	—	—	—	permil	—	—	11-349	RE16-11-1719	EES6
16-26644	130	11/02/10	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.93	—	—	—	permil	—	—	11-349	RE16-11-1719	EES6
16-26644	130	07/22/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.72	—	—	—	permil	—	—	10-3770	RE16-10-24526	EES6
16-26644	130	04/20/10	WG	F	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	2.49	—	—	—	permil	—	—	10-2837	GW16-10-15979	EES6
16-26644	130	04/20/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.68	—	—	—	permil	—	—	10-2837	GW16-10-15982	EES6
16-26644	130	03/02/11	WG	UF	RE	FD	Rad	LLEE	Tritium	—	12.20	1.98E+00	1.76E+00	—	pCi/L	—	—	11-1581	RE16-11-3298	ARSL
16-26644	130	03/02/11	WG	UF	RE	—	Rad	LLEE	Tritium	—	16.73	2.65E+00	2.08E+00	—	pCi/L	—	—	11-1581	RE16-11-3293	ARSL
16-26644	130	11/02/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	23.63	3.64E+00	1.98E+00	—	pCi/L	—	—	11-427	RE16-11-1720	ARSL
16-26644	130	07/22/10	WG	UF	CS	—	Rad	LLEE	Tritium	—	14.27	2.43E+00	3.35E+00	—	pCi/L	—	—	10-3869	RE16-10-24527	ARSL
16-26644	130	04/20/10	WG	UF	RE	FD	Rad	LLEE	Tritium	—	33.78	5.17E+00	2.20E+00	—	pCi/L	—	—	10-2844	GW16-10-15978	ARSL
16-26644	130	04/20/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	31.93	4.89E+00	2.01E+00	—	pCi/L	—	—	10-2844	GW16-10-15981	ARSL
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.65	—	—	—	permil	—	—	11-3612	CAWA-11-27048	EES6
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.24	—	—	—	permil	—	—	10-4539	CAWA-10-25704	EES6
Burning Ground Spring	—	10/15/09	WG	UF	CS	FD	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.98	—	—	—	permil	—	—	10-151	CAWA-09-13706	EES6
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.78	—	—	—	permil	—	—	10-151	CAWA-09-13703	EES6
Burning Ground Spring	—	10/15/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.60	—	—	—	permil	—	—	10-151	CAWA-09-13703	EES6
Burning Ground Spring	—	10/07/08	WG	UF	CS	FD	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.54	—	—	—	permil	—	—	09-51	CAWA-08-15958	EES6
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.58	—	—	—	permil	—	—	09-51	CAWA-08-15956	EES6
Burning Ground Spring	—	01/29/07	WG	UF	CS	FD	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.30	1.37E+00	—	—	permil	—	—	18467	EU070100GSGB20	EES6
Burning Ground Spring	—	01/29/07	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.46	5.50E-01	—	—	permil	—	—	18466	EU070100GSGB01	EES6
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.91	—	—	—	permil	—	—	11-3612	CAWA-11-27049	EES6
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.03	—	—	—	permil	—	—	10-4539	CAWA-10-25705	EES6
Burning Ground Spring	—	10/15/09	WG	F	CS	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.75	—	—	—	permil	—	—	10-151	CAWA-09-13707	EES6
Burning Ground Spring	—	10/15/09	WG	F	DUP	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.66	—	—	—	permil	—	—	10-151	CAWA-09-13707	EES6
Burning Ground Spring	—	10/15/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.42	—	—	—	permil	—	—	10-151	CAWA-09-13705	EES6
Burning Ground Spring	—	10/07/08	WG	F	CS	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.92	—	—	—	permil	—	—	09-51	CAWA-08-15959	EES6
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.85	—	—	—	permil	—	—	09-51	CAWA-08-15957	EES6
Burning Ground Spring	—	10/07/08	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.97	—	—	—	permil	—	—	09-51	CAWA-08-15957	EES6
Burning Ground Spring	—	01/29/07	WG	F	CS	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	7.08	4.00E-02	—	—	permil	—	—	17973	EF070100GSGB20	EES6
Burning Ground Spring	—	01/29/07	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.85	4.00E-02	—	—	permil	—	—	17972	EF070100GSGB01	EES6
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.07	—	—	—	permil	—	—	11-3612	CAWA-11-27048	EES6
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.61	—	—	—	permil	—	—	10-4539	CAWA-10-25704	EES6
Burning Ground Spring	—	10/15/09	WG	UF	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.86	—	—	—	permil	—	—	10-151	CAWA-09-13706	EES6
Burning Ground Spring	—	10/15/09	WG	UF	DUP	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.78	—	—	—	permil	—	—	10-151	CAWA-09-13706	EES6
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.74	—	—	—	permil	—	—	10-151	CAWA-09-13703	EES6
Burning Ground Spring	—	10/07/08	WG	UF	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.68	—	—	—	permil	—	—	09-51	CAWA-08-15958	EES6
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.65	—	—	—	permil	—	—	09-51	CAWA-08-15956	EES6
Burning Ground Spring	—	10/19/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.24	9.00E-02	—	—	permil	—	—	19501	EU071000GSGB01	EES6
Burning Ground Spring	—	01/29/07	WG	UF	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.56	1.40E-01	—	—	permil	—	—	17860	EU070100GSGB20	EES6
Burning Ground Spring	—	01/29/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.60	1.40E-01	—	—	permil	—	—	17859	EU070100GSGB01	EES6
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.46	—	—	—	permil	—	—	11-3612	CAWA-11-27049	EES6
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.71	—	—	—	permil	—	—	10-4539	CAWA-10-25705	EES6
Burning Ground Spring	—	10/15/09	WG	F	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	2.24	—	—	—	permil	—	—	10-151	CAWA-09-13707	EES6
Burning Ground Spring	—	10/15/09	WG	F	DUP	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	2.52	—	—	—	permil	—	—	10-151	CAWA-09-13707	EES6
Burning Ground Spring	—	10/15/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	3.09	—	—	—	permil	—	—	10-151	CAWA-09-13705	EES6
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	28.67	4.43E+00	2.13E+00	—	pCi/L	—	—	11-3664	CAWA-11-27048	ARSL

Table C-1 TA-16 260 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
Burning Ground Spring	—	09/10/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	46.30	7.02E+00	2.17E+00	—	pCi/L	—	—	10-4590	CAWA-10-25704	ARSL
Burning Ground Spring	—	10/15/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	51.73	1.60E+00	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-13706	UMTL
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	54.92	1.92E+00	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-13703	UMTL
Burning Ground Spring	—	10/07/08	WG	UF	CS	FD	Rad	LLEE	Tritium	<	28.23	4.44E+00	3.31E+00	—	pCi/L	—	U	09-85	CAWA-08-15958	ARSL
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	31.44	4.92E+00	3.41E+00	—	pCi/L	—	U	09-85	CAWA-08-15956	ARSL
Burning Ground Spring	—	10/19/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	59.39	1.92E+00	2.87E-01	—	pCi/L	—	—	2415	UU071000GSGB01	UMTL
Burning Ground Spring	—	05/15/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	68.65	2.24E+00	2.87E-01	—	pCi/L	—	—	2345	UU070500GSGB01	UMTL
CDV-16-02655	2.3	04/13/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	82.07	1.24E+01	1.87E+00	—	pCi/L	—	U	10-2755	CAWA-10-15291	ARSL
CDV-16-02655	2.3	03/31/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	265.34	8.62E+00	2.87E-01	—	pCi/L	—	—	08-897	CAWA-08-11623	UMTL
CDV-16-02655	2.3	05/09/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	402.32	1.28E+01	2.87E-01	—	pCi/L	—	—	2337	UU07050CDV5501	UMTL
CDV-16-02655	2.3	11/17/05	WG	UF	CS	—	Rad	LLEE	Tritium	—	189.66	6.07E+00	2.87E-01	—	pCi/L	—	—	2145	UU0510CDV5501	UMTL
CDV-16-02655	2.3	09/01/05	WG	UF	CS	—	Rad	LLEE	Tritium	—	147.20	5.43E+00	2.87E-01	—	pCi/L	—	—	2117	UU0507CDV5501	UMTL
CDV-16-02657	0.4	04/16/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	59.33	8.95E+00	1.64E+00	—	pCi/L	—	—	10-2850	CAWA-10-15293	ARSL
CDV-16-02657	0.4	05/10/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	85.25	2.87E+00	2.87E-01	—	pCi/L	—	—	2340	UU07050CDV5701	UMTL
CDV-16-02657	0.4	10/14/04	WG	UF	CS	—	Rad	LLEE	Tritium	—	55.36	2.24E+00	5.54E+01	0.00E+00	pCi/L	—	—	2479S	RE16-04-53816	UMTL
CDV-16-02657	0.4	07/10/04	WG	UF	CS	—	Rad	LLEE	Tritium	—	150.40	5.44E+00	0.00E+00	0.00E+00	pCi/L	—	—	2197S	RE16-04-53403	UMTL
CDV-16-02657	0.4	04/13/04	WG	UF	CS	—	Rad	LLEE	Tritium	—	187.20	3.52E+00	0.00E+00	0.00E+00	pCi/L	—	—	2124S	RE16-04-53134	UMTL
CDV-16-02658	1.9	04/12/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	39.37	6.02E+00	2.42E+00	—	pCi/L	—	—	10-2755	CAWA-10-15296	ARSL
CDV-16-02658	1.9	03/31/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	56.84	1.92E+00	2.87E-01	—	pCi/L	—	—	09-1346	CAWA-09-5567	UMTL
CDV-16-02658	1.9	04/01/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	83.66	2.87E+00	2.87E-01	—	pCi/L	—	—	08-902	CAWA-08-11635	UMTL
CDV-16-02658	1.9	05/08/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	89.72	2.87E+00	2.87E-01	—	pCi/L	—	—	2337	UU07050CDV5801	UMTL
CDV-16-02658	1.9	01/25/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	60.35	1.92E+00	2.87E-01	—	pCi/L	—	—	2305	UU07010CDV5801	UMTL
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	17.60	2.82E+00	2.37E+00	—	pCi/L	—	—	11-3664	CAWA-11-27072	ARSL
CDV-16-02659	1.7	09/09/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	38.67	5.91E+00	2.43E+00	—	pCi/L	—	—	10-4590	CAWA-10-25738	ARSL
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	54.28	1.92E+00	2.87E-01	—	pCi/L	—	—	10-120	CAWA-09-13798	UMTL
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	32.88	5.13E+00	3.42E+00	—	pCi/L	—	U	09-85	CAWA-08-15985	ARSL
CDV-16-02659	1.7	10/30/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	59.07	1.92E+00	2.87E-01	—	pCi/L	—	—	2421	UU07100CDV5901	UMTL
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	456	—	—	7.30E-01	mg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	442	—	—	7.30E-01	mg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.301	—	—	6.60E-02	mg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	—	0.292	—	—	6.60E-02	mg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.801	—	—	6.60E-02	mg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	—	0.759	—	—	6.60E-02	mg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	40.8	—	—	5.00E-02	mg/L	—	—	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	41.5	—	—	5.00E-02	mg/L	—	—	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	102	—	—	5.00E-02	mg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	98.7	—	—	5.00E-02	mg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	47	—	—	5.00E-02	mg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.5	—	—	5.00E-02	mg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	94.4	—	—	5.00E-02	mg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	99.2	—	—	5.00E-02	mg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Geninorg	EPA:300.0	Chloride	—	19.8	—	—	3.30E-01	mg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	19.7	—	—	3.30E-01	mg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Geninorg	EPA:300.0	Chloride	—	25.1	—	—	1.30E-01	mg/L	—	J+	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	24.8	—	—	1.30E-01	mg/L	—	J+	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.262	—	—	3.30E-02	mg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.279	—	—	3.30E-02	mg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.263	—	—	3.30E-02	mg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.262	—	—	3.30E-02	mg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	151	—	—	4.50E-01	mg/L	—	—	11-1370	GW16-11-3238	GELC

Table C-1 TA-16 260 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
CDV-16-611923	—	02/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	154	—	—	4.50E-01	mg/L	—	—	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	380	—	—	3.50E-01	mg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	369	—	—	3.50E-01	mg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	175	—	—	4.50E-01	mg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	169	—	—	4.50E-01	mg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	352	—	—	3.50E-01	mg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	370	—	—	3.50E-01	mg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	11.9	—	—	1.10E-01	mg/L	—	—	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.1	—	—	1.10E-01	mg/L	—	—	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	30.5	—	—	8.50E-02	mg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	29.8	—	—	8.50E-02	mg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	14	—	—	1.10E-01	mg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.5	—	—	1.10E-01	mg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	28.1	—	—	8.50E-02	mg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	29.8	—	—	8.50E-02	mg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.71	—	—	5.00E-02	mg/L	—	J	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.67	—	—	5.00E-02	mg/L	—	J	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	7.55	—	—	5.00E-02	mg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.84	—	—	5.00E-02	mg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.75	—	—	5.00E-02	mg/L	—	J	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.72	—	—	5.00E-02	mg/L	—	J	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	7.59	—	—	5.00E-02	mg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.82	—	—	5.00E-02	mg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	22.6	—	—	1.00E-01	mg/L	—	—	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.6	—	—	1.00E-01	mg/L	—	—	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	39.9	—	—	1.00E-01	mg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	41.2	—	—	1.00E-01	mg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	23	—	—	1.00E-01	mg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.8	—	—	1.00E-01	mg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	39.9	—	—	1.00E-01	mg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	40.4	—	—	1.00E-01	mg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Geninorg	EPA:300.0	Sulfate	—	1.33	—	—	1.00E-01	mg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.29	—	—	1.00E-01	mg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Geninorg	EPA:300.0	Sulfate	—	2.02	—	—	1.00E-01	mg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.94	—	—	1.00E-01	mg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	HEXP	SW-846:8321A	HMX	—	0.182	—	—	1.00E-01	µg/L	J	J	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.204	—	—	1.00E-01	µg/L	J	J	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	HEXP	SW-846:8321A	HMX	—	0.133	—	—	1.00E-01	µg/L	J	J	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	<	0.325	—	—	1.00E-01	µg/L	U	UJ	11-343	GW16-11-202	GELC
CDV-16-611923	—	11/01/10	WG	UF	RE	—	HEXP	SW-846:8321A	HMX	—	0.209	—	—	1.00E-01	µg/L	J	J	11-343	GW16-11-202	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	HEXP	SW-846:8330	TNX	—	0.85	—	—	8.20E-02	µg/L	P	—	11-342	GW16-11-214	STSL
CDV-16-611923	—	11/01/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.69	—	—	8.20E-02	µg/L	P	—	11-342	GW16-11-202	STSL
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Aluminum	—	113	—	—	6.80E+01	µg/L	J	J	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	125	—	—	6.80E+01	µg/L	J	J	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	76.8	—	—	6.80E+01	µg/L	J	J	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Metals	SW-846:6020	Arsenic	—	3.91	—	—	1.70E+00	µg/L	J	J	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.36	—	—	1.70E+00	µg/L	J	J	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6020	Arsenic	—	5.42	—	—	1.50E+00	µg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	4.93	—	—	1.50E+00	µg/L	J	J	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	4.42	—	—	1.70E+00	µg/L	J	J	11-1370	GW16-11-3237	GELC

Table C-1 TA-16 260 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
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.29	—	—	1.70E+00	µg/L	J	J	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	5.41	—	—	1.50E+00	µg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	5.63	—	—	1.50E+00	µg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	17700	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18100	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	48900	—	—	5.00E+00	µg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	49400	—	—	5.00E+00	µg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	20700	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20200	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	47500	—	—	5.00E+00	µg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49200	—	—	5.00E+00	µg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.50E+01	µg/L	J	J	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.50E+01	µg/L	J	J	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	44.4	—	—	1.50E+01	µg/L	J	J	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	46	—	—	1.50E+01	µg/L	J	J	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	µg/L	J	J	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.50E+01	µg/L	J	J	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	45	—	—	1.50E+01	µg/L	J	J	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	45.4	—	—	1.50E+01	µg/L	J	J	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Metals	SW-846:6010B	Cobalt	—	5.63	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	5.18	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6010B	Cobalt	—	33.4	—	—	5.00E+00	µg/L	—	J	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	33.3	—	—	5.00E+00	µg/L	—	J	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Cobalt	—	5.49	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	5.45	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6010B	Cobalt	—	30.8	—	—	5.00E+00	µg/L	—	J	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	33.8	—	—	5.00E+00	µg/L	—	J	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Metals	SW-846:6010B	Iron	—	5700	—	—	3.00E+01	µg/L	—	—	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	5880	—	—	3.00E+01	µg/L	—	—	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6010B	Iron	—	11700	—	—	3.00E+01	µg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	11400	—	—	3.00E+01	µg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	7950	—	—	3.00E+01	µg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	7460	—	—	3.00E+01	µg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	10900	—	—	3.00E+01	µg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	11900	—	—	3.00E+01	µg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	4130	—	—	2.00E+00	µg/L	—	—	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4110	—	—	2.00E+00	µg/L	—	—	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	7130	—	—	2.00E+00	µg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7510	—	—	2.00E+00	µg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	4260	—	—	2.00E+00	µg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4110	—	—	2.00E+00	µg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	7380	—	—	2.00E+00	µg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7470	—	—	2.00E+00	µg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	7.93	—	—	1.70E-01	µg/L	—	J	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	7.95	—	—	1.70E-01	µg/L	—	J	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	6.67	—	—	1.00E-01	µg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	6.61	—	—	1.00E-01	µg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	6.91	—	—	1.70E-01	µg/L	—	J	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	7.01	—	—	1.70E-01	µg/L	—	J	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	6.88	—	—	1.00E-01	µg/L	—	—	11-343	GW16-11-214	GELC

Table C-1 TA-16 260 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
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	6.84	—	—	1.00E-01	µg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	3.19	—	—	5.00E-01	µg/L	—	—	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.44	—	—	5.00E-01	µg/L	—	—	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	5.48	—	—	5.00E-01	µg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.77	—	—	5.00E-01	µg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	3.81	—	—	5.00E-01	µg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.7	—	—	5.00E-01	µg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	5.28	—	—	5.00E-01	µg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.6	—	—	5.00E-01	µg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	487	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	496	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	1250	—	—	1.00E+00	µg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	1230	—	—	1.00E+00	µg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	559	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	543	—	—	1.00E+00	µg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	1180	—	—	1.00E+00	µg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	1230	—	—	1.00E+00	µg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6010B	Tin	—	11.8	—	—	2.50E+00	µg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6010B	Tin	—	10.5	—	—	2.50E+00	µg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6010B	Tin	—	10.2	—	—	2.50E+00	µg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Tin	—	9.67	—	—	2.50E+00	µg/L	J	J	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.717	—	—	6.70E-02	µg/L	—	—	11-1370	GW16-11-3238	GELC
CDV-16-611923	—	02/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.797	—	—	6.70E-02	µg/L	—	—	11-1370	GW16-11-3231	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	5.14	—	—	5.00E-02	µg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	4.69	—	—	5.00E-02	µg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.04	—	—	6.70E-02	µg/L	—	—	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.04	—	—	6.70E-02	µg/L	—	—	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	4.56	—	—	5.00E-02	µg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	4.87	—	—	5.00E-02	µg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.03	—	—	1.00E+00	µg/L	J	J	11-1370	GW16-11-3237	GELC
CDV-16-611923	—	02/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.5	—	—	1.00E+00	µg/L	J	J	11-1370	GW16-11-3225	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	11-343	GW16-11-202	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	15.5	—	—	3.30E+00	µg/L	—	—	11-343	GW16-11-215	GELC
CDV-16-611923	—	11/01/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	15.4	—	—	3.30E+00	µg/L	—	—	11-343	GW16-11-208	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	15.5	—	—	3.30E+00	µg/L	—	—	11-343	GW16-11-214	GELC
CDV-16-611923	—	11/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	21	—	—	3.30E+00	µg/L	—	—	11-343	GW16-11-202	GELC
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.068	—	—	2.60E-02	mg/L	J	J	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	—	0.07	—	—	2.60E-02	mg/L	J	J	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Geninorg	SW-846:6020	Calcium	—	23.7	—	—	4.87E-02	mg/L	E	—	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Geninorg	SW-846:6020	Calcium	—	24.6	—	—	4.87E-02	mg/L	E	—	10-2662	GW16-10-15437	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Geninorg	SW-846:6020	Calcium	—	23.8	—	—	4.87E-02	mg/L	E	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Geninorg	SW-846:6020	Calcium	—	23.3	—	—	4.87E-02	mg/L	E	—	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Geninorg	EPA:300.0	Chloride	—	42.1	—	—	4.00E-01	mg/L	—	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	41.7	—	—	4.00E-01	mg/L	—	—	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.15	—	—	1.00E-02	mg/L	—	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.16	—	—	1.00E-02	mg/L	—	—	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Geninorg	SW-846:6020	Magnesium	—	6.7	—	—	3.10E-03	mg/L	—	—	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Geninorg	SW-846:6020	Magnesium	—	6.89	—	—	3.10E-03	mg/L	—	—	10-2662	GW16-10-15437	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Geninorg	SW-846:6020	Magnesium	—	6.86	—	—	3.10E-03	mg/L	—	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Geninorg	SW-846:6020	Magnesium	—	6.76	—	—	3.10E-03	mg/L	—	—	10-2662	GW16-10-15418	STSL

Table C-1 TA-16 260 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
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Geninorg	SW-846:6020	Potassium	—	3.57	—	—	1.16E-02	mg/L	—	—	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Geninorg	SW-846:6020	Potassium	—	3.58	—	—	1.16E-02	mg/L	—	—	10-2662	GW16-10-15437	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Geninorg	SW-846:6020	Potassium	—	3.61	—	—	1.16E-02	mg/L	—	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Geninorg	SW-846:6020	Potassium	—	3.66	—	—	1.16E-02	mg/L	—	—	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Geninorg	SW-846:6020	Sodium	—	24.5	—	—	6.90E-03	mg/L	N	J-	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Geninorg	SW-846:6020	Sodium	—	24.7	—	—	6.90E-03	mg/L	N	J-	10-2662	GW16-10-15437	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Geninorg	SW-846:6020	Sodium	—	24	—	—	6.90E-03	mg/L	N	J-	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Geninorg	SW-846:6020	Sodium	—	24	—	—	6.90E-03	mg/L	N	J-	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Geninorg	EPA:300.0	Sulfate	—	7.8	—	—	5.00E-02	mg/L	—	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.7	—	—	5.00E-02	mg/L	—	—	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	HEXP	SW-846:8321A	2,4-Diamino-6-nitrotoluene	—	1	—	—	2.50E-02	µg/L	—	—	10-2661	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	2,4-Diamino-6-nitrotoluene	—	1	—	—	2.50E-02	µg/L	—	—	10-2661	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	HEXP	SW-846:8321A	2,6-Diamino-4-nitrotoluene	—	0.29	—	—	2.30E-02	µg/L	—	—	10-2661	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	2,6-Diamino-4-nitrotoluene	—	0.3	—	—	2.30E-02	µg/L	—	—	10-2661	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	HEXP	SW-846:8321A	3,5-Dinitroaniline	—	0.11	—	—	3.20E-02	µg/L	—	—	10-2661	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	3,5-Dinitroaniline	—	0.11	—	—	3.20E-02	µg/L	—	—	10-2661	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	2.7	—	—	5.10E-02	µg/L	—	—	10-2661	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	2.9	—	—	5.10E-02	µg/L	—	—	10-2661	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	2.3	—	—	5.00E-02	µg/L	—	J	10-2661	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	2.2	—	—	5.00E-02	µg/L	—	J	10-2661	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	HEXP	SW-846:8330	DNX	—	0.5	—	—	6.90E-02	µg/L	P	—	10-2660	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	HEXP	SW-846:8330	DNX	—	0.51	—	—	6.90E-02	µg/L	P	—	10-2660	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	HEXP	SW-846:8321A	Dinitrotoluene[2,4-]	—	0.091	—	—	3.30E-02	µg/L	J	J	10-2661	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	Dinitrotoluene[2,4-]	—	0.084	—	—	3.30E-02	µg/L	J	J	10-2661	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	DL	FD	HEXP	SW-846:8321A	HMX	—	29	—	—	2.60E-01	µg/L	D	—	10-2661	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	DL	—	HEXP	SW-846:8321A	HMX	—	25	—	—	2.60E-01	µg/L	D	—	10-2661	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	HEXP	SW-846:8330	MNX	—	0.8	—	—	9.10E-02	µg/L	P	—	10-2660	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.81	—	—	9.10E-02	µg/L	—	—	10-2660	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	HEXP	SW-846:8321A	RDX	—	8.7	—	—	5.90E-02	µg/L	—	—	10-2661	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	8.7	—	—	5.90E-02	µg/L	—	—	10-2661	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	HEXP	SW-846:8330	TNX	—	0.75	—	—	8.20E-02	µg/L	P	—	10-2660	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.79	—	—	8.20E-02	µg/L	P	—	10-2660	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Metals	SW-846:6020	Aluminum	—	281	—	—	9.90E+00	µg/L	—	—	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Metals	SW-846:6020	Aluminum	—	270	—	—	9.90E+00	µg/L	—	—	10-2662	GW16-10-15437	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Metals	SW-846:6020	Aluminum	—	760	—	—	9.90E+00	µg/L	—	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Metals	SW-846:6020	Aluminum	—	882	—	—	9.90E+00	µg/L	—	—	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Metals	SW-846:6020	Barium	—	10800	—	—	2.60E+00	µg/L	—	—	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Metals	SW-846:6020	Barium	—	11500	—	—	2.60E+00	µg/L	—	—	10-2662	GW16-10-15437	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Metals	SW-846:6020	Barium	—	11300	—	—	2.60E+00	µg/L	—	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Metals	SW-846:6020	Barium	—	11300	—	—	2.60E+00	µg/L	—	—	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Metals	SW-846:6020	Cobalt	—	2.2	—	—	2.40E-01	µg/L	—	—	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Metals	SW-846:6020	Cobalt	—	3.6	—	—	2.40E-01	µg/L	—	—	10-2662	GW16-10-15437	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Metals	SW-846:6020	Cobalt	—	1.9	—	—	2.40E-01	µg/L	J	J	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Metals	SW-846:6020	Cobalt	—	1.8	—	—	2.40E-01	µg/L	J	J	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Metals	SW-846:6020	Copper	—	1.1	—	—	4.70E-01	µg/L	—	—	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Metals	SW-846:6020	Copper	—	0.75	—	—	4.70E-01	µg/L	J	J	10-2662	GW16-10-15437	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Metals	SW-846:6020	Copper	—	1.1	—	—	4.70E-01	µg/L	—	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Metals	SW-846:6020	Copper	—	1	—	—	4.70E-01	µg/L	—	—	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Metals	SW-846:6020	Iron	—	709	—	—	2.04E+01	µg/L	—	—	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Metals	SW-846:6020	Iron	—	815	—	—	2.04E+01	µg/L	—	—	10-2662	GW16-10-15437	STSL

Table C-1 TA-16 260 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
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Metals	SW-846:6020	Iron	—	1020	—	—	2.04E+01	µg/L	—	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Metals	SW-846:6020	Iron	—	1030	—	—	2.04E+01	µg/L	—	—	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Metals	SW-846:6020	Lead	—	0.65	—	—	4.90E-01	µg/L	J	J	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.64	—	—	4.90E-01	µg/L	J	J	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Metals	SW-846:6020	Manganese	—	679	—	—	6.00E-01	µg/L	—	—	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Metals	SW-846:6020	Manganese	—	854	—	—	6.00E-01	µg/L	—	—	10-2662	GW16-10-15437	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Metals	SW-846:6020	Manganese	—	721	—	—	6.00E-01	µg/L	—	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Metals	SW-846:6020	Manganese	—	697	—	—	6.00E-01	µg/L	—	—	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	1.7	—	—	4.90E-01	µg/L	J	J	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	4.90E-01	µg/L	J	J	10-2662	GW16-10-15437	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	1.9	—	—	4.90E-01	µg/L	J	J	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	4.90E-01	µg/L	J	J	10-2662	GW16-10-15418	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	FD	Metals	SW-846:6020	Zinc	—	12.7	—	—	3.70E+00	µg/L	—	—	10-2662	GW16-10-15441	STSL
CDV-16-611923	3.2	04/02/10	WG	F	CS	—	Metals	SW-846:6020	Zinc	—	13.1	—	—	3.70E+00	µg/L	—	—	10-2662	GW16-10-15437	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	FD	Metals	SW-846:6020	Zinc	—	14.5	—	—	3.70E+00	µg/L	—	—	10-2662	GW16-10-15440	STSL
CDV-16-611923	3.2	04/02/10	WG	UF	CS	—	Metals	SW-846:6020	Zinc	—	12.3	—	—	3.70E+00	µg/L	—	—	10-2662	GW16-10-15418	STSL
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.23	—	—	—	permil	—	—	11-1869	CAWA-11-5323	EES6
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.46	—	—	—	permil	—	—	11-752	CAWA-11-2119	EES6
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-8.73	—	—	—	permil	—	—	10-4712	CAWA-10-25903	EES6
CDV-37-1(i)	632	04/01/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.41	—	—	—	permil	—	—	10-2680	CAWA-10-15172	EES6
CDV-37-1(i)	632	02/08/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	3.55	—	—	—	permil	—	—	10-1723	CAWA-10-11284	EES6
CDV-37-1(i)	632	03/31/11	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.21	6.71E-01	2.11E+00	—	pCi/L	U	U	11-1935	CAWA-11-5324	ARSL
CDV-37-1(i)	632	12/01/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.26	5.11E-01	1.72E+00	—	pCi/L	U	U	11-850	CAWA-11-2117	ARSL
CDV-37-1(i)	632	09/21/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.37	7.34E-01	2.27E+00	—	pCi/L	U	U	10-4686	CAWA-10-25902	ARSL
CDV-37-1(i)	632	04/01/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.16	5.11E-01	1.76E+00	—	pCi/L	U	U	10-2686	CAWA-10-15170	ARSL
CDV-37-1(i)	632	02/08/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1784	CAWA-10-11283	UMTL
CDV-5.0 SPRING	—	09/24/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.07	—	—	—	permil	—	—	10-4752	CAWA-10-25707	EES6
CDV-5.0 SPRING	—	10/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.10	—	—	—	permil	—	—	10-184	CAWA-09-13692	EES6
CDV-5.0 SPRING	—	09/24/10	WG	UF	RE	FD	Rad	LLEE	Tritium	—	27.59	4.25E+00	2.01E+00	—	pCi/L	—	—	10-4760	CAWA-10-25709	ARSL
CDV-5.0 SPRING	—	09/24/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	9.90	1.72E+00	2.39E+00	—	pCi/L	—	—	10-4760	CAWA-10-25706	ARSL
CDV-5.0 SPRING	—	10/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	25.96	8.62E-01	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-13693	UMTL
CDV-5.0 SPRING	—	10/22/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	29.69	9.58E-01	2.87E-01	—	pCi/L	—	—	09-156	CAWA-08-15941	UMTL
CdV-16-1(i)	624	09/22/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.00	—	—	—	permil	—	—	11-3706	CAWA-11-27954	EES6
CdV-16-1(i)	624	09/13/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.04	—	—	—	permil	—	—	10-4554	CAWA-10-25807	EES6
CdV-16-1(i)	624	10/14/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.64	—	—	—	permil	—	—	10-129	CAWA-09-14137	EES6
CdV-16-1(i)	624	10/20/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.68	—	—	—	permil	—	—	09-127	CAWA-08-16020	EES6
CdV-16-1(i)	624	10/20/08	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.10	—	—	—	permil	—	—	09-127	CAWA-08-16020	EES6
CdV-16-1(i)	624	03/09/06	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.75	8.00E-01	—	—	permil	—	—	11728	EU0602GC16i01	EES6
CdV-16-1(i)	624	09/22/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.30	—	—	—	permil	—	—	11-3706	CAWA-11-27955	EES6
CdV-16-1(i)	624	09/22/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.19	—	—	—	permil	—	—	11-3706	CAWA-11-27955	EES6
CdV-16-1(i)	624	09/13/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.41	—	—	—	permil	—	—	10-4554	CAWA-10-25806	EES6
CdV-16-1(i)	624	10/14/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.19	—	—	—	permil	—	—	10-129	CAWA-09-14136	EES6
CdV-16-1(i)	624	10/20/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.23	—	—	—	permil	—	—	09-127	CAWA-08-16018	EES6
CdV-16-1(i)	624	10/20/08	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.14	—	—	—	permil	—	—	09-127	CAWA-08-16018	EES6
CdV-16-1(i)	624	09/22/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.73	—	—	—	permil	—	—	11-3706	CAWA-11-27954	EES6
CdV-16-1(i)	624	09/13/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.69	—	—	—	permil	—	—	10-4554	CAWA-10-25807	EES6
CdV-16-1(i)	624	10/14/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.96	—	—	—	permil	—	—	10-129	CAWA-09-14137	EES6
CdV-16-1(i)	624	10/14/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.91	—	—	—	permil	—	—	10-129	CAWA-09-14137	EES6
CdV-16-1(i)	624	10/20/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.99	—	—	—	permil	—	—	09-127	CAWA-08-16020	EES6
CdV-16-1(i)	624	10/20/08	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.78	—	—	—	permil	—	—	09-127	CAWA-08-16020	EES6

Table C-1 TA-16 260 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
CdV-16-1(i)	624	10/22/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.84	9.00E-02	—	—	permil	—	—	19499	EU07100GC16i01	EES6
CdV-16-1(i)	624	09/22/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.59	—	—	—	permil	—	—	11-3706	CAWA-11-27955	EES6
CdV-16-1(i)	624	09/22/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.68	—	—	—	permil	—	—	11-3706	CAWA-11-27955	EES6
CdV-16-1(i)	624	09/13/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	3.81	—	—	—	permil	—	—	10-4554	CAWA-10-25806	EES6
CdV-16-1(i)	624	10/14/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.06	—	—	—	permil	—	—	10-129	CAWA-09-14136	EES6
CdV-16-1(i)	624	09/22/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	31.70	4.89E+00	2.30E+00	—	pCi/L	—	—	11-3729	CAWA-11-27954	ARSL
CdV-16-1(i)	624	09/13/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.93	6.07E-01	1.92E+00	—	pCi/L	U	U	10-4590	CAWA-10-25807	ARSL
CdV-16-1(i)	624	10/14/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	50.45	1.60E+00	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-14141	UMTL
CdV-16-1(i)	624	10/14/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	51.09	1.60E+00	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-14137	UMTL
CdV-16-1(i)	624	10/20/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	55.24	1.92E+00	2.87E-01	—	pCi/L	—	—	09-149	CAWA-08-16020	UMTL
CdV-16-1(i)	624	10/22/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	57.79	1.92E+00	2.87E-01	—	pCi/L	—	—	2415	UU07100GC16i01	UMTL
CdV-16-1(i)	624	05/21/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	62.90	1.92E+00	2.87E-01	—	pCi/L	—	—	2345	UU07050GC16i01	UMTL
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.08	—	—	—	permil	—	—	11-3439	CAWA-11-27101	EES6
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.43	—	—	—	permil	—	—	10-4474	CAWA-10-25779	EES6
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.19	—	—	—	permil	—	—	10-101	CAWA-09-14145	EES6
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	FD	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.90	—	—	—	permil	—	—	09-133	CAWA-08-16026	EES6
CdV-16-2(i)r	850	10/21/08	WG	UF	DUP	FD	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.43	—	—	—	permil	—	—	09-133	CAWA-08-16026	EES6
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.06	—	—	—	permil	—	—	09-133	CAWA-08-16022	EES6
CdV-16-2(i)r	850	10/21/08	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.83	—	—	—	permil	—	—	09-133	CAWA-08-16022	EES6
CdV-16-2(i)r	850	02/05/07	WG	UF	CS	FB	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.76	5.20E-01	—	—	permil	—	—	18489	EU07010162IR01-FB	EES6
CdV-16-2(i)r	850	02/05/07	WG	UF	CS	FD	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.54	8.20E-01	—	—	permil	—	—	18490	EU07010162IR20	EES6
CdV-16-2(i)r	850	02/05/07	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.68	6.30E-01	—	—	permil	—	—	18488	EU07010162IR01	EES6
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.99	—	—	—	permil	—	—	11-3439	CAWA-11-27100	EES6
CdV-16-2(i)r	850	09/06/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.21	—	—	—	permil	—	—	11-3439	CAWA-11-27100	EES6
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.98	—	—	—	permil	—	—	10-4474	CAWA-10-25776	EES6
CdV-16-2(i)r	850	10/08/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.09	—	—	—	permil	—	—	10-101	CAWA-09-14143	EES6
CdV-16-2(i)r	850	10/21/08	WG	F	CS	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.95	—	—	—	permil	—	—	09-133	CAWA-08-16027	EES6
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.57	—	—	—	permil	—	—	09-133	CAWA-08-16021	EES6
CdV-16-2(i)r	850	02/05/07	WG	F	CS	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.31	8.00E-02	—	—	permil	—	—	18562	EF07010162IR20	EES6
CdV-16-2(i)r	850	02/05/07	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.01	8.00E-02	—	—	permil	—	—	18561	EF07010162IR01	EES6
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.92	—	—	—	permil	—	—	11-3439	CAWA-11-27101	EES6
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.93	—	—	—	permil	—	—	10-4474	CAWA-10-25779	EES6
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.28	—	—	—	permil	—	—	10-101	CAWA-09-14145	EES6
CdV-16-2(i)r	850	10/08/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.19	—	—	—	permil	—	—	10-101	CAWA-09-14145	EES6
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.83	—	—	—	permil	—	—	09-133	CAWA-08-16026	EES6
CdV-16-2(i)r	850	10/21/08	WG	UF	DUP	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.97	—	—	—	permil	—	—	09-133	CAWA-08-16026	EES6
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.95	—	—	—	permil	—	—	09-133	CAWA-08-16022	EES6
CdV-16-2(i)r	850	10/21/08	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.87	—	—	—	permil	—	—	09-133	CAWA-08-16022	EES6
CdV-16-2(i)r	850	02/05/07	WG	UF	CS	FB	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.95	1.10E-01	—	—	permil	—	—	17879	EU07010162IR01-FB	EES6
CdV-16-2(i)r	850	02/05/07	WG	UF	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.93	1.10E-01	—	—	permil	—	—	17880	EU07010162IR20	EES6
CdV-16-2(i)r	850	02/05/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.99	1.10E-01	—	—	permil	—	—	17877	EU07010162IR01	EES6
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	2.32	—	—	—	permil	—	—	11-3439	CAWA-11-27100	EES6
CdV-16-2(i)r	850	09/06/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	3.71	—	—	—	permil	—	—	11-3439	CAWA-11-27100	EES6
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.39	—	—	—	permil	—	—	10-4474	CAWA-10-25776	EES6
CdV-16-2(i)r	850	10/08/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	2.77	—	—	—	permil	—	—	10-101	CAWA-09-14143	EES6
CdV-16-2(i)r	850	09/07/10	WG	UF	RE	FD	Rad	LLEE	Tritium	—	6.67	1.37E+00	2.84E+00	—	pCi/L	—	—	10-4479	CAWA-10-25777	ARSL
CdV-16-2(i)r	850	09/07/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	6.67	1.28E+00	2.46E+00	—	pCi/L	—	—	10-4479	CAWA-10-25779	ARSL
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	5.62	2.87E-01	2.87E-01	—	pCi/L	—	—	10-120	CAWA-09-14144	UMTL
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.65	3.19E-01	2.87E-01	—	pCi/L	—	—	10-120	CAWA-09-14145	UMTL
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	FD	Rad	LLEE	Tritium	—	8.27	2.87E-01	2.87E-01	—	pCi/L	—	—	09-149	CAWA-08-16026	UMTL

Table C-1 TA-16 260 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
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	6.07	2.87E-01	2.87E-01	—	pCi/L	—	—	09-149	CAWA-08-16022	UMTL
CdV-16-2(i)r	850	04/10/08	WG	UF	CS	FD	Rad	LLEE	Tritium	—	6.74	2.87E-01	2.87E-01	—	pCi/L	—	—	08-999	CAWA-08-11670	UMTL
CdV-16-2(i)r	850	04/10/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	6.42	2.87E-01	2.87E-01	—	pCi/L	—	—	08-999	CAWA-08-11667	UMTL
CdV-16-2(i)r	850	10/23/07	WG	UF	CS	FD	Rad	LLEE	Tritium	—	8.94	2.87E-01	2.87E-01	—	pCi/L	—	—	2415	UU07100162IR20	UMTL
CdV-16-2(i)r	850	10/23/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	8.17	2.87E-01	2.87E-01	—	pCi/L	—	—	2415	UU07100162IR01	UMTL
CdV-16-4ip	1110	03/31/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.01	—	—	—	permil	—	—	11-1861	CAWA-11-5669	EES6
CdV-16-4ip	1110	11/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	2.44	—	—	—	permil	—	—	11-365	CAWA-11-1634	EES6
CdV-16-4ip	1110	10/26/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	3.79	—	—	—	permil	—	—	11-262	CAWA-11-1239	EES6
CdV-16-4ip	1110	09/18/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	9.60	—	—	—	permil	—	—	10-4656	CAWA-10-26047	EES6
CdV-16-4ip	1110	03/31/11	WG	UF	RE	—	Rad	LLEE	Tritium	—	3.38	8.62E-01	2.17E+00	—	pCi/L	—	—	11-1936	CAWA-11-5666	ARSL
CdV-16-4ip	1110	11/02/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	7.02	1.28E+00	2.01E+00	—	pCi/L	—	—	11-426	CAWA-11-1631	ARSL
CdV-16-4ip	1110	09/18/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	19.45	3.07E+00	2.27E+00	—	pCi/L	—	—	10-4689	CAWA-10-26044	ARSL
CdV-16-4ip	815.6	03/07/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	7.87	—	—	—	permil	—	—	11-1551	CAWA-11-5672	EES6
CdV-16-4ip	815.6	08/31/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	9.32	—	—	—	permil	—	—	10-4422	CAWA-10-26043	EES6
CdV-16-4ip	815.6	03/07/11	WG	UF	RE	—	Rad	LLEE	Tritium	—	15.45	2.52E+00	2.39E+00	—	pCi/L	—	—	11-1580	CAWA-11-5673	ARSL
CdV-16-4ip	815.6	08/31/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	15.90	2.46E+00	1.47E+00	—	pCi/L	—	—	10-4426	CAWA-10-26041	ARSL
CdV-R-15-3	1254.4	08/05/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.47	—	—	—	permil	—	—	10-4056	CAWA-10-24743	EES6
CdV-R-15-3	1254.4	10/07/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.29	—	—	—	permil	—	—	10-101	CAWA-09-14152	EES6
CdV-R-37-2	1359.3	04/12/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-6.37	—	—	—	permil	—	—	11-2020	CAWA-11-7056	EES6
CdV-R-37-2	1359.3	04/12/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-6.30	—	—	—	permil	—	—	11-2020	CAWA-11-7000	EES6
CdV-R-37-2	1359.3	04/12/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-6.02	—	—	—	permil	—	—	11-2020	CAWA-11-6940	EES6
CdV-R-37-2	1359.3	04/12/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.95	—	—	—	permil	—	—	11-2020	CAWA-11-6888	EES6
CdV-R-37-2	1359.3	08/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.28	—	—	—	permil	—	—	10-4115	CAWA-10-24748	EES6
CdV-R-37-2	1359.3	10/15/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.91	—	—	—	permil	—	—	10-159	CAWA-09-14165	EES6
CdV-R-37-2	1359.3	10/15/09	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.14	—	—	—	permil	—	—	10-159	CAWA-09-14165	EES6
CdV-R-37-2	1359.3	08/10/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-2.01	6.71E-01	2.08E+00	—	pCi/L	U	U	10-4211	CAWA-10-24747	ARSL
CdV-R-37-2	1359.3	10/15/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	10-205	CAWA-09-14168	UMTL
CdV-R-37-2	1359.3	10/08/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-5.84	1.27E+00	3.39E+00	—	pCi/L	U	U	09-85	CAWA-08-16064	ARSL
CdV-R-37-2	1359.3	11/01/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.00	2.87E-01	2.87E-01	—	pCi/L	—	U	2421	UU07100G37R301	UMTL
CdV-R-37-2	1359.3	05/21/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.19	2.87E-01	2.87E-01	—	pCi/L	—	U	2347	UU07050G37R301	UMTL
CdV-R-37-2	1550.6	04/16/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-6.38	—	—	—	permil	—	—	11-2074	CAWA-11-7062	EES6
CdV-R-37-2	1550.6	04/16/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.35	—	—	—	permil	—	—	11-2074	CAWA-11-7002	EES6
CdV-R-37-2	1550.6	04/16/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-6.52	—	—	—	permil	—	—	11-2074	CAWA-11-6945	EES6
CdV-R-37-2	1550.6	04/16/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-6.07	—	—	—	permil	—	—	11-2074	CAWA-11-6895	EES6
CdV-R-37-2	1550.6	08/10/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-1.60	5.75E-01	1.82E+00	—	pCi/L	U	U	10-4211	CAWA-10-24749	ARSL
CdV-R-37-2	1550.6	10/14/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.16	2.87E-01	2.87E-01	—	pCi/L	U	U	10-205	CAWA-09-14172	UMTL
CdV-R-37-2	1550.6	10/09/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-5.93	1.24E+00	3.24E+00	—	pCi/L	U	U	09-85	CAWA-08-16094	ARSL
CdV-R-37-2	1550.6	04/08/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06	2.87E-01	2.87E-01	—	pCi/L	U	U	08-963	CAWA-08-11712	UMTL
CdV-R-37-2	1550.6	11/05/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03	2.87E-01	2.87E-01	—	pCi/L	—	U	2421	UU07100G37R401	UMTL
FLC-16-25278	1.6	09/14/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	22.49	3.53E+00	2.34E+00	—	pCi/L	—	—	11-3664	CAWA-11-27075	ARSL
FLC-16-25278	1.6	04/07/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	38.30	5.83E+00	1.80E+00	—	pCi/L	—	—	10-2755	CAWA-10-15286	ARSL
FLC-16-25278	1.6	04/02/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	56.52	1.92E+00	2.87E-01	—	pCi/L	—	—	09-1468	CAWA-09-5571	UMTL
FLC-16-25278	1.6	10/22/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	47.58	1.60E+00	2.87E-01	—	pCi/L	—	—	2415	UU071000FLC301	UMTL
FLC-16-25279	2.7	04/01/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-90.50	—	—	—	permil	—	—	09-1356	CAWA-09-5575	EES6
FLC-16-25279	2.7	04/01/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-91.36	—	—	—	permil	—	—	09-1356	CAWA-09-5575	EES6
Fish Ladder Spring	—	04/14/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	36.33	5.54E+00	1.87E+00	—	pCi/L	—	—	10-2850	CAWA-10-15922	ARSL
Fish Ladder Spring	—	04/02/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	48.21	1.60E+00	2.87E-01	—	pCi/L	—	—	09-1468	CAWA-09-5544	UMTL
Fish Ladder Spring	—	10/19/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	47.26	1.60E+00	2.87E-01	—	pCi/L	—	—	2415	UU071000SFLS01	UMTL
Fish Ladder Spring	—	05/11/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	87.17	2.87E+00	2.87E-01	—	pCi/L	—	—	2340	UU070500SFLS01	UMTL
Fish Ladder Spring	—	04/03/06	WG	UF	CS	—	Rad	LLEE	Tritium	—	127.08	4.15E+00	2.87E-01	—	pCi/L	—	—	2198	UU06020SFLS01	UMTL

Table C-1 TA-16 260 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
MSC-16-06293	2	04/07/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	44.00	6.67E+00	1.74E+00	—	pCi/L	—	—	10-2755	CAWA-10-15108	ARSL
MSC-16-06293	2	04/09/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	86.85	2.87E+00	2.87E-01	—	pCi/L	—	—	09-1468	CAWA-09-5591	UMTL
MSC-16-06293	2	04/02/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	256.40	8.62E+00	2.87E-01	—	pCi/L	—	—	08-997	CAWA-08-11624	UMTL
MSC-16-06293	2	05/04/05	WG	UF	CS	—	Rad	LLEE	Tritium	—	118.40	9.60E+00	0.00E+00	0.00E+00	pCi/L	—	—	3215S	RE16-05-58452	UMTL
MSC-16-06293	2	04/12/04	WG	UF	CS	—	Rad	LLEE	Tritium	—	184.00	3.84E+00	0.00E+00	0.00E+00	pCi/L	—	—	2109S	RE16-04-53140	UMTL
MSC-16-06294	2.5	09/20/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	22.81	3.59E+00	2.46E+00	—	pCi/L	—	—	11-3664	CAWA-11-27089	ARSL
MSC-16-06294	2.5	10/14/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	26.18	8.62E-01	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-13835	UMTL
MSC-16-06294	2.5	05/10/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	91.64	2.87E+00	2.87E-01	—	pCi/L	—	—	2340	UU07050MSC9401	UMTL
MSC-16-06294	2.5	01/24/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	86.53	2.87E+00	2.87E-01	—	pCi/L	—	—	2305	UU07010MSC9401	UMTL
MSC-16-06294	2.5	11/15/05	WG	UF	CS	—	Rad	LLEE	Tritium	—	127.40	4.15E+00	2.87E-01	—	pCi/L	—	—	2143	UU0510MSC9401	UMTL
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	27.04	4.21E+00	2.36E+00	—	pCi/L	—	—	11-3582	CAWA-11-27093	ARSL
MSC-16-06295	1.5	09/14/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	38.73	5.91E+00	2.17E+00	—	pCi/L	—	—	10-4590	CAWA-10-25763	ARSL
MSC-16-06295	1.5	10/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	29.06	9.58E-01	2.87E-01	—	pCi/L	—	—	10-120	CAWA-09-13814	UMTL
MSC-16-06295	1.5	10/16/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	58.43	1.92E+00	2.87E-01	—	pCi/L	—	—	09-149	CAWA-08-16014	UMTL
MSC-16-06295	1.5	05/11/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	92.92	2.87E+00	2.87E-01	—	pCi/L	—	—	2340	UU07050MSC9501	UMTL
MSC-16-06295	1.5	01/24/07	WG	UF	CS	FD	Rad	LLEE	Tritium	—	87.49	2.87E+00	2.87E-01	—	pCi/L	—	—	2305	UU07010MSC9520	UMTL
MSC-16-06295	1.5	01/24/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	89.40	2.87E+00	2.87E-01	—	pCi/L	—	—	2305	UU07010MSC9501	UMTL
Martin Spring	—	09/15/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-65.03	—	—	—	permil	—	—	11-3612	CAWA-11-27055	EES6
Martin Spring	—	09/14/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.50	—	—	—	permil	—	—	10-4585	CAWA-10-25715	EES6
Martin Spring	—	10/16/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.97	—	—	—	permil	—	—	10-163	CAWA-09-13712	EES6
Martin Spring	—	10/16/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.82	—	—	—	permil	—	—	10-163	CAWA-09-13712	EES6
Martin Spring	—	10/08/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.28	—	—	—	permil	—	—	09-58	CAWA-08-15964	EES6
Martin Spring	—	10/08/08	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.05	—	—	—	permil	—	—	09-58	CAWA-08-15964	EES6
Martin Spring	—	01/30/07	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.31	8.10E-01	—	—	permil	—	—	18469	EU070100GSTM01	EES6
Martin Spring	—	09/15/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.89	—	—	—	permil	—	—	11-3612	CAWA-11-27053	EES6
Martin Spring	—	09/14/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.44	—	—	—	permil	—	—	10-4585	CAWA-10-25717	EES6
Martin Spring	—	10/16/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.99	—	—	—	permil	—	—	10-163	CAWA-09-13713	EES6
Martin Spring	—	10/08/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.50	—	—	—	permil	—	—	09-58	CAWA-08-15963	EES6
Martin Spring	—	09/15/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.52	—	—	—	permil	—	—	11-3612	CAWA-11-27055	EES6
Martin Spring	—	09/14/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.60	—	—	—	permil	—	—	10-4585	CAWA-10-25715	EES6
Martin Spring	—	10/16/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.89	—	—	—	permil	—	—	10-163	CAWA-09-13712	EES6
Martin Spring	—	10/08/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.48	—	—	—	permil	—	—	09-58	CAWA-08-15964	EES6
Martin Spring	—	10/08/08	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.64	—	—	—	permil	—	—	09-58	CAWA-08-15964	EES6
Martin Spring	—	10/19/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.75	9.00E-02	—	—	permil	—	—	19495	EU071000GSTM01	EES6
Martin Spring	—	09/15/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.45	—	—	—	permil	—	—	11-3612	CAWA-11-27053	EES6
Martin Spring	—	09/14/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.00	—	—	—	permil	—	—	10-4585	CAWA-10-25717	EES6
Martin Spring	—	10/16/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.36	—	—	—	permil	—	—	10-163	CAWA-09-13713	EES6
Martin Spring	—	09/15/11	WG	UF	CS	FD	Rad	LLEE	Tritium	—	39.67	6.08E+00	2.26E+00	—	pCi/L	—	—	11-3664	CAWA-11-27191	ARSL
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	37.78	5.81E+00	2.39E+00	—	pCi/L	—	—	11-3664	CAWA-11-27055	ARSL
Martin Spring	—	09/14/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	58.72	8.91E+00	2.27E+00	—	pCi/L	—	—	10-4590	CAWA-10-25715	ARSL
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	63.86	2.24E+00	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-13712	UMTL
Martin Spring	—	10/08/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	52.80	8.09E+00	3.47E+00	—	pCi/L	—	U	09-85	CAWA-08-15964	ARSL
Martin Spring	—	10/19/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	64.82	2.24E+00	2.87E-01	—	pCi/L	—	—	2415	UU071000GSTM01	UMTL
Martin Spring	—	05/09/07	WG	UF	CS	FD	Rad	LLEE	Tritium	—	73.12	2.55E+00	2.87E-01	—	pCi/L	—	—	2340	UU070500GSTM20	UMTL
Martin Spring	—	05/09/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	74.72	2.55E+00	2.87E-01	—	pCi/L	—	—	2340	UU070500GSTM01	UMTL
R-18	1358	09/07/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.35	—	—	—	permil	—	—	11-3461	CAWA-11-27164	EES6
R-18	1358	10/21/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.71	—	—	—	permil	—	—	11-254	CAPA-10-27415	EES6
R-18	1358	09/14/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.28	—	—	—	permil	—	—	09-3213	CAPA-09-12168	EES6
R-18	1358	05/28/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.65	—	—	—	permil	—	—	09-2066	CAPA-09-9404	EES6
R-18	1358	03/12/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.83	—	—	—	permil	—	—	09-1206	CAPA-09-4348	EES6

Table C-1 TA-16 260 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-18	1358	09/07/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.44	—	—	—	permil	—	—	11-3461	CAWA-11-27166	EES6
R-18	1358	10/21/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.68	—	—	—	permil	—	—	11-254	CAPA-10-27417	EES6
R-18	1358	09/14/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.13	—	—	—	permil	—	—	09-3213	CAPA-09-12170	EES6
R-18	1358	05/28/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	<	4.84	—	—	5.00E-05	permil	U	—	09-2066	CAPA-09-9403	EES6
R-18	1358	03/12/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.80	—	—	—	permil	—	—	09-1206	CAPA-09-4346	EES6
R-18	1358	09/07/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.09	—	—	—	permil	—	—	11-3461	CAWA-11-27164	EES6
R-18	1358	10/21/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.04	—	—	—	permil	—	—	11-254	CAPA-10-27415	EES6
R-18	1358	09/14/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.98	—	—	—	permil	—	—	09-3213	CAPA-09-12168	EES6
R-18	1358	05/28/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	<	-11.92	—	—	1.00E-03	permil	U	—	09-2066	CAPA-09-9404	EES6
R-18	1358	03/12/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.52	—	—	—	permil	—	—	09-1206	CAPA-09-4348	EES6
R-18	1358	09/07/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	8.22	—	—	—	permil	—	—	11-3461	CAWA-11-27166	EES6
R-18	1358	10/21/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	7.61	—	—	—	permil	—	—	11-254	CAPA-10-27417	EES6
R-18	1358	10/21/10	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	7.90	—	—	—	permil	—	—	11-254	CAPA-10-27417	EES6
R-18	1358	09/14/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	7.95	—	—	—	permil	—	—	09-3213	CAPA-09-12170	EES6
R-18	1358	03/12/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	8.95	—	—	—	permil	—	—	09-1206	CAPA-09-4346	EES6
R-18	1358	09/17/08	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	9.60	—	—	—	permil	—	—	08-1977	CAPA-08-15039	EES6
R-18	1358	09/07/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	2.55	8.30E-01	2.33E+00	—	pCi/L	—	—	11-3582	CAWA-11-27164	ARSL
R-18	1358	10/21/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.96	7.66E-01	2.46E+00	—	pCi/L	U	U	11-304	CAPA-10-27415	ARSL
R-18	1358	03/11/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.22	2.87E-01	2.87E-01	—	pCi/L	U	U	10-2447	CAPA-10-12807	UMTL
R-18	1358	09/14/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.16	2.87E-01	2.87E-01	—	pCi/L	U	U	09-3246	CAPA-09-12168	UMTL
R-18	1358	05/28/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	0.99	2.87E-01	2.87E-01	—	pCi/L	—	—	09-2149	CAPA-09-9404	UMTL
R-18	1358	03/12/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.26	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1240	CAPA-09-4348	UMTL
R-25	754.8	09/09/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.91	—	—	—	permil	—	—	11-3521	CAWA-11-27108	EES6
R-25	754.8	09/21/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.46	—	—	—	permil	—	—	10-4680	CAWA-10-25800	EES6
R-25	754.8	10/22/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.48	—	—	—	permil	—	—	09-168	CAWA-08-16016	EES6
R-25	754.8	10/22/08	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.29	—	—	—	permil	—	—	09-168	CAWA-08-16016	EES6
R-25	754.8	02/07/07	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.53	1.48E+00	—	—	permil	—	—	18474	EU07010G25R101	EES6
R-25	754.8	02/04/02	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-80.00	—	—	—	permil	—	—	505S	GW25-02-0001	GEO
R-25	754.8	09/09/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.21	—	—	—	permil	—	—	11-3521	CAWA-11-27106	EES6
R-25	754.8	09/21/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.66	—	—	—	permil	—	—	10-4680	CAWA-10-25798	EES6
R-25	754.8	10/22/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.14	—	—	—	permil	—	—	09-168	CAWA-08-16015	EES6
R-25	754.8	02/07/07	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	8.27	4.00E-02	—	—	permil	—	—	17976	EF07010G25R101	EES6
R-25	754.8	09/09/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.72	—	—	—	permil	—	—	11-3521	CAWA-11-27108	EES6
R-25	754.8	09/21/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.85	—	—	—	permil	—	—	10-4680	CAWA-10-25800	EES6
R-25	754.8	10/22/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.95	—	—	—	permil	—	—	09-168	CAWA-08-16016	EES6
R-25	754.8	10/22/08	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.88	—	—	—	permil	—	—	09-168	CAWA-08-16016	EES6
R-25	754.8	02/07/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.80	1.10E-01	—	—	permil	—	—	17866	EU07010G25R101	EES6
R-25	754.8	09/09/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.33	—	—	—	permil	—	—	11-3521	CAWA-11-27106	EES6
R-25	754.8	09/21/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.22	—	—	—	permil	—	—	10-4680	CAWA-10-25798	EES6
R-25	754.8	09/21/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	29.41	4.57E+00	2.65E+00	—	pCi/L	—	—	10-4686	CAWA-10-25800	ARSL
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	26.41	8.62E-01	2.87E-01	—	pCi/L	—	—	09-182	CAWA-08-16016	UMTL
R-25	754.8	10/18/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	27.56	9.58E-01	2.87E-01	—	pCi/L	—	—	2415	UU07100G25R101	UMTL
R-25	754.8	05/09/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	31.61	9.58E-01	2.87E-01	—	pCi/L	—	—	2340	UU07050G25R101	UMTL
R-25	754.8	02/07/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	32.89	9.58E-01	2.87E-01	—	pCi/L	—	—	2313	UU07010G25R101	UMTL
R-25	891.8	09/12/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.28	—	—	—	permil	—	—	11-3553	CAWA-11-27141	EES6
R-25	891.8	09/21/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.24	—	—	—	permil	—	—	10-4680	CAWA-10-25814	EES6
R-25	891.8	10/16/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.48	—	—	—	permil	—	—	10-167	CAWA-09-14195	EES6
R-25	891.8	10/16/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.28	—	—	—	permil	—	—	10-167	CAWA-09-14195	EES6
R-25	891.8	02/07/07	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.61	5.00E-02	—	—	permil	—	—	18476	EU07010G25R201	EES6
R-25	891.8	02/05/02	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.00	—	—	—	permil	—	—	508S	GW25-02-0003	GEO

Table C-1 TA-16 260 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-25	891.8	08/14/01	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.00	—	—	—	permil	—	—	9584R	GW25-01-0019	GEO
R-25	891.8	09/12/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.84	—	—	—	permil	—	—	11-3553	CAWA-11-27141	EES6
R-25	891.8	09/21/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.85	—	—	—	permil	—	—	10-4680	CAWA-10-25814	EES6
R-25	891.8	10/16/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.06	—	—	—	permil	—	—	10-167	CAWA-09-14195	EES6
R-25	891.8	10/16/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.87	—	—	—	permil	—	—	10-167	CAWA-09-14195	EES6
R-25	891.8	02/07/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.69	1.10E-01	—	—	permil	—	—	17867	EU07010G25R201	EES6
R-25	891.8	02/05/02	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.90	—	—	—	permil	—	—	508S	GW25-02-0003	GEO
R-25	891.8	08/14/01	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.80	—	—	—	permil	—	—	9584R	GW25-01-0019	GEO
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	LLEE	Tritium	—	27.49	4.28E+00	2.43E+00	—	pCi/L	—	—	11-3582	CAWA-11-27141	ARSL
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	37.58	5.78E+00	2.62E+00	—	pCi/L	—	R	10-4686	CAWA-10-25814	ARSL
R-25	891.8	09/21/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	34.45	5.30E+00	2.62E+00	—	pCi/L	—	—	10-4686	CAWA-10-25814	ARSL
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	31.29	9.58E-01	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-14195	UMTL
R-25	891.8	10/22/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	33.53	9.58E-01	2.87E-01	—	pCi/L	—	—	09-182	CAWA-08-16048	UMTL
R-25	891.8	10/22/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	32.25	9.58E-01	2.87E-01	—	pCi/L	—	—	2415	UU07100G25R201	UMTL
R-25	891.8	05/09/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	32.57	9.58E-01	2.87E-01	—	pCi/L	—	—	2340	UU07050G25R201	UMTL
R-25	891.8	02/07/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	33.53	9.58E-01	2.87E-01	—	pCi/L	—	—	2313	UU07010G25R201	UMTL
R-25	1063.4	10/21/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	40.87	1.28E+00	2.87E-01	—	pCi/L	—	—	09-182	CAWA-09-188	UMTL
R-25	1063.4	12/01/00	WG	UF	CS	—	Rad	LLEE	Tritium	—	67.37	2.55E+00	—	—	pCi/L	—	—	8064R	GWCV-00-0007	UMTL
R-25	1192.4	09/12/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.09	—	—	—	permil	—	—	11-3553	CAWA-11-27111	EES6
R-25	1192.4	09/21/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.56	—	—	—	permil	—	—	10-4719	CAWA-10-25802	EES6
R-25	1192.4	10/19/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.85	—	—	—	permil	—	—	10-190	CAWA-09-14157	EES6
R-25	1192.4	10/20/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.77	—	—	—	permil	—	—	09-134	CAWA-08-16050	EES6
R-25	1192.4	10/20/08	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.80	—	—	—	permil	—	—	09-134	CAWA-08-16050	EES6
R-25	1192.4	02/05/07	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.21	4.00E-02	—	—	permil	—	—	18477	EU07010G25R401	EES6
R-25	1192.4	09/12/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.96	—	—	—	permil	—	—	11-3553	CAWA-11-27109	EES6
R-25	1192.4	09/21/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.95	—	—	—	permil	—	—	10-4712	CAWA-10-25805	EES6
R-25	1192.4	10/20/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.67	—	—	—	permil	—	—	09-134	CAWA-08-16052	EES6
R-25	1192.4	02/05/07	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.67	1.50E-01	—	—	permil	—	—	19034	EF07010G25R401	EES6
R-25	1192.4	09/12/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.81	—	—	—	permil	—	—	11-3553	CAWA-11-27111	EES6
R-25	1192.4	09/21/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.64	—	—	—	permil	—	—	10-4719	CAWA-10-25802	EES6
R-25	1192.4	09/21/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.80	—	—	—	permil	—	—	10-4719	CAWA-10-25802	EES6
R-25	1192.4	10/19/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.95	—	—	—	permil	—	—	10-190	CAWA-09-14157	EES6
R-25	1192.4	10/19/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.01	—	—	—	permil	—	—	10-190	CAWA-09-14157	EES6
R-25	1192.4	10/20/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.74	—	—	—	permil	—	—	09-134	CAWA-08-16050	EES6
R-25	1192.4	10/20/08	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.89	—	—	—	permil	—	—	09-134	CAWA-08-16050	EES6
R-25	1192.4	10/22/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.71	9.00E-02	—	—	permil	—	—	19496	EU07100G25R401	EES6
R-25	1192.4	09/12/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.09	—	—	—	permil	—	—	11-3553	CAWA-11-27109	EES6
R-25	1192.4	09/21/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.25	—	—	—	permil	—	—	10-4712	CAWA-10-25805	EES6
R-25	1192.4	09/21/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	28.16	4.37E+00	2.49E+00	—	pCi/L	—	—	10-4760	CAWA-10-25802	ARSL
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	26.31	8.62E-01	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-14157	UMTL
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	29.06	9.58E-01	2.87E-01	—	pCi/L	—	—	09-149	CAWA-08-16050	UMTL
R-25	1192.4	03/31/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	32.57	9.58E-01	2.87E-01	—	pCi/L	—	—	08-896	CAWA-08-11707	UMTL
R-25	1192.4	10/22/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	31.29	9.58E-01	2.87E-01	—	pCi/L	—	—	2415	UU07100G25R401	UMTL
R-25	1303.4	09/23/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	15.93	2.55E+00	2.49E+00	—	pCi/L	—	—	10-4760	CAWA-10-25846	ARSL
R-25	1303.4	04/07/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	14.30	4.79E-01	2.87E-01	—	pCi/L	—	—	09-1468	CAWA-09-5669	UMTL
R-25	1303.4	10/17/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	14.66	4.79E-01	2.87E-01	—	pCi/L	—	—	2415	UU07100G25R501	UMTL
R-25	1303.4	05/09/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	14.78	4.79E-01	2.87E-01	—	pCi/L	—	—	2340	UU07050G25R501	UMTL
R-25	1303.4	02/07/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	15.42	5.11E-01	2.87E-01	—	pCi/L	—	—	2313	UU07010G25R501	UMTL
R-25	1406.3	09/15/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.97	—	—	—	permil	—	—	11-3612	CAWA-11-27153	EES6
R-25	1406.3	09/22/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.15	—	—	—	permil	—	—	10-4723	CAWA-10-25851	EES6

Table C-1 TA-16 260 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-25	1406.3	10/19/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.77	—	—	—	permil	—	—	10-190	CAWA-09-14180	EES6
R-25	1406.3	10/19/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.04	—	—	—	permil	—	—	10-190	CAWA-09-14180	EES6
R-25	1406.3	10/17/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.92	—	—	—	permil	—	—	09-126	CAWA-08-16074	EES6
R-25	1406.3	10/17/08	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.30	—	—	—	permil	—	—	09-126	CAWA-08-16074	EES6
R-25	1406.3	02/08/07	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.16	5.00E-02	—	—	permil	—	—	18479	EU07010G25R601	EES6
R-25	1406.3	02/08/02	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.00	—	—	—	permil	—	—	556S	GW25-02-0009	GEO
R-25	1406.3	09/15/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.59	—	—	—	permil	—	—	11-3612	CAWA-11-27152	EES6
R-25	1406.3	09/22/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.23	—	—	—	permil	—	—	10-4723	CAWA-10-25849	EES6
R-25	1406.3	10/19/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.50	—	—	—	permil	—	—	10-190	CAWA-09-14179	EES6
R-25	1406.3	10/19/09	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.87	—	—	—	permil	—	—	10-190	CAWA-09-14179	EES6
R-25	1406.3	10/17/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.49	—	—	—	permil	—	—	09-126	CAWA-08-16075	EES6
R-25	1406.3	10/17/08	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.79	—	—	—	permil	—	—	09-126	CAWA-08-16075	EES6
R-25	1406.3	09/15/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.84	—	—	—	permil	—	—	11-3612	CAWA-11-27153	EES6
R-25	1406.3	09/22/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.81	—	—	—	permil	—	—	10-4723	CAWA-10-25851	EES6
R-25	1406.3	10/19/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.10	—	—	—	permil	—	—	10-190	CAWA-09-14180	EES6
R-25	1406.3	10/17/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.99	—	—	—	permil	—	—	09-126	CAWA-08-16074	EES6
R-25	1406.3	10/17/08	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.94	—	—	—	permil	—	—	09-126	CAWA-08-16074	EES6
R-25	1406.3	10/23/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.94	9.00E-02	—	—	permil	—	—	19497	EU07100G25R601	EES6
R-25	1406.3	02/08/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.33	1.10E-01	—	—	permil	—	—	17870	EU07010G25R601	EES6
R-25	1406.3	02/08/02	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.90	—	—	—	permil	—	—	556S	GW25-02-0009	GEO
R-25	1406.3	09/15/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.70	—	—	—	permil	—	—	11-3612	CAWA-11-27152	EES6
R-25	1406.3	09/22/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.52	—	—	—	permil	—	—	10-4723	CAWA-10-25849	EES6
R-25	1406.3	10/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.88	—	—	—	permil	—	—	10-190	CAWA-09-14179	EES6
R-25	1406.3	10/19/09	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.33	—	—	—	permil	—	—	10-190	CAWA-09-14179	EES6
R-25	1406.3	10/17/08	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.94	—	—	—	permil	—	—	09-126	CAWA-08-16075	EES6
R-25	1406.3	10/17/08	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.14	—	—	—	permil	—	—	09-126	CAWA-08-16075	EES6
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.81	7.40E-01	2.43E+00	—	pCi/L	U	U	11-3664	CAWA-11-27153	ARSL
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	2.27	6.39E-01	1.72E+00	—	pCi/L	—	R	10-4760	CAWA-10-25851	ARSL
R-25	1406.3	09/22/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	3.58	7.66E-01	1.72E+00	—	pCi/L	—	—	10-4760	CAWA-10-25851	ARSL
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.88	2.87E-01	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-14180	UMTL
R-25	1406.3	10/17/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.50	2.87E-01	2.87E-01	—	pCi/L	—	—	09-149	CAWA-08-16074	UMTL
R-25	1406.3	05/10/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.95	2.87E-01	2.87E-01	—	pCi/L	—	—	2340	UU07050G25R601	UMTL
R-25	1406.3	02/08/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.82	1.60E-01	2.87E-01	—	pCi/L	—	—	2313	UU07010G25R601	UMTL
R-25	1406.3	02/08/07	WG	UF	RE	—	Rad	LLEE	Tritium	—	2.04	1.60E-01	2.87E-01	—	pCi/L	—	—	2313	UU07010G25R601	UMTL
R-25	1606	09/14/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.10	—	—	—	permil	—	—	11-3612	CAWA-11-27156	EES6
R-25	1606	09/23/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.31	—	—	—	permil	—	—	10-4752	CAWA-10-25865	EES6
R-25	1606	10/20/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.99	—	—	—	permil	—	—	10-215	CAWA-09-14186	EES6
R-25	1606	10/16/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.80	—	—	—	permil	—	—	09-112	CAWA-08-16080	EES6
R-25	1606	02/12/07	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.54	4.00E-02	—	—	permil	—	—	18480	EU07010G25R701	EES6
R-25	1606	09/14/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.74	—	—	—	permil	—	—	11-3612	CAWA-11-27159	EES6
R-25	1606	09/23/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.71	—	—	—	permil	—	—	10-4752	CAWA-10-25867	EES6
R-25	1606	10/20/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.36	—	—	—	permil	—	—	10-215	CAWA-09-14187	EES6
R-25	1606	10/20/09	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.66	—	—	—	permil	—	—	10-215	CAWA-09-14187	EES6
R-25	1606	10/16/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.66	—	—	—	permil	—	—	09-112	CAWA-08-16078	EES6
R-25	1606	09/14/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.52	—	—	—	permil	—	—	11-3612	CAWA-11-27156	EES6
R-25	1606	09/23/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.47	—	—	—	permil	—	—	10-4752	CAWA-10-25865	EES6
R-25	1606	10/20/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.26	—	—	—	permil	—	—	10-215	CAWA-09-14186	EES6
R-25	1606	10/20/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.17	—	—	—	permil	—	—	10-215	CAWA-09-14186	EES6
R-25	1606	10/16/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.75	—	—	—	permil	—	—	09-112	CAWA-08-16080	EES6
R-25	1606	02/12/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.80	1.10E-01	—	—	permil	—	—	17871	EU07010G25R701	EES6

Table C-1 TA-16 260 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-25	1606	09/14/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.65	—	—	—	permil	—	—	11-3612	CAWA-11-27159	EES6
R-25	1606	09/23/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-7.92	—	—	—	permil	—	—	10-4752	CAWA-10-25867	EES6
R-25	1606	10/20/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.92	—	—	—	permil	—	—	10-215	CAWA-09-14187	EES6
R-25	1606	10/20/09	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.24	—	—	—	permil	—	—	10-215	CAWA-09-14187	EES6
R-25	1606	10/16/08	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.93	—	—	—	permil	—	—	09-112	CAWA-08-16078	EES6
R-25	1606	09/14/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.38	7.30E-01	2.48E+00	—	pCi/L	U	U	11-3664	CAWA-11-27156	ARSL
R-25	1606	09/23/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	2.87	8.30E-01	2.20E+00	—	pCi/L	—	R	10-4760	CAWA-10-25865	ARSL
R-25	1606	09/23/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.09	7.02E-01	2.20E+00	—	pCi/L	U	U	10-4760	CAWA-10-25865	ARSL
R-25	1606	10/20/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.38	2.87E-01	2.87E-01	—	pCi/L	—	U	10-219	CAWA-09-14186	UMTL
R-25	1606	10/16/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06	2.87E-01	2.87E-01	—	pCi/L	U	U	09-149	CAWA-08-16080	UMTL
R-25	1606	05/10/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.16	2.87E-01	2.87E-01	—	pCi/L	—	U	2340	UU07050G25R701	UMTL
R-25	1606	02/12/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.10	2.87E-01	2.87E-01	—	pCi/L	—	U	2313	UU07010G25R701	UMTL
R-25	1796	09/14/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.78	—	—	—	permil	—	—	11-3592	CAWA-11-27163	EES6
R-25	1796	09/24/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.36	—	—	—	permil	—	—	10-4752	CAWA-10-25885	EES6
R-25	1796	10/20/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.82	—	—	—	permil	—	—	10-215	CAWA-09-14191	EES6
R-25	1796	02/14/07	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.22	1.91E+00	—	—	permil	—	—	18481	EU07010G25R801	EES6
R-25	1796	02/13/02	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.00	—	—	—	permil	—	—	571S	GW25-02-0013	GEO
R-25	1796	09/14/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.83	—	—	—	permil	—	—	11-3592	CAWA-11-27162	EES6
R-25	1796	09/24/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.89	—	—	—	permil	—	—	10-4752	CAWA-10-25887	EES6
R-25	1796	10/20/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.99	—	—	—	permil	—	—	10-215	CAWA-09-14189	EES6
R-25	1796	10/15/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	2.65	—	—	—	permil	—	—	09-112	CAWA-08-16083	EES6
R-25	1796	09/14/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.00	—	—	—	permil	—	—	11-3592	CAWA-11-27163	EES6
R-25	1796	09/24/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.64	—	—	—	permil	—	—	10-4752	CAWA-10-25885	EES6
R-25	1796	10/20/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.29	—	—	—	permil	—	—	10-215	CAWA-09-14191	EES6
R-25	1796	10/20/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.33	—	—	—	permil	—	—	10-215	CAWA-09-14191	EES6
R-25	1796	10/15/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.63	—	—	—	permil	—	—	09-112	CAWA-08-16084	EES6
R-25	1796	10/15/08	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.73	—	—	—	permil	—	—	09-112	CAWA-08-16084	EES6
R-25	1796	02/14/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.70	1.30E-01	—	—	permil	—	—	18614	EU07010G25R801	EES6
R-25	1796	09/14/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-6.92	—	—	—	permil	—	—	11-3592	CAWA-11-27162	EES6
R-25	1796	09/24/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-7.17	—	—	—	permil	—	—	10-4752	CAWA-10-25887	EES6
R-25	1796	10/20/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.07	—	—	—	permil	—	—	10-215	CAWA-09-14189	EES6
R-25	1796	10/15/08	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-8.32	—	—	—	permil	—	—	09-112	CAWA-08-16083	EES6
R-25	1796	09/14/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.79	6.80E-01	2.34E+00	—	pCi/L	U	U	11-3664	CAWA-11-27163	ARSL
R-25	1796	09/24/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	2.39	6.71E-01	1.82E+00	—	pCi/L	—	R	10-4760	CAWA-10-25885	ARSL
R-25	1796	09/24/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.34	6.07E-01	1.82E+00	—	pCi/L	U	U	10-4760	CAWA-10-25885	ARSL
R-25	1796	10/20/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	10-219	CAWA-09-14191	UMTL
R-25	1796	10/15/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.13	2.87E-01	2.87E-01	—	pCi/L	U	U	09-149	CAWA-08-16084	UMTL
R-25	1796	10/29/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03	2.87E-01	2.87E-01	—	pCi/L	—	U	2421	UU07100G25R801	UMTL
R-25	1796	05/11/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.16	2.87E-01	2.87E-01	—	pCi/L	—	U	2340	UU07050G25R801	UMTL
R-25b	750	09/15/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.46	—	—	—	permil	—	—	11-3612	CAWA-11-27115	EES6
R-25b	750	09/08/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.66	—	—	—	permil	—	—	10-4499	CAWA-10-25899	EES6
R-25b	750	04/21/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.72	—	—	—	permil	—	—	10-2868	CAWA-10-15174	EES6
R-25b	750	04/21/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-86.98	—	—	—	permil	—	—	10-2868	CAWA-10-15174	EES6
R-25b	750	10/09/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.02	—	—	—	permil	—	—	10-101	CAWA-09-14261	EES6
R-25b	750	10/09/09	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.40	—	—	—	permil	—	—	10-101	CAWA-09-14261	EES6
R-25b	750	06/08/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.53	—	—	2.00E-04	permil	—	—	09-2228	CAPA-09-9633	EES6
R-25b	750	09/15/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.08	—	—	—	permil	—	—	11-3612	CAWA-11-27113	EES6
R-25b	750	09/08/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.48	—	—	—	permil	—	—	10-4499	CAWA-10-25900	EES6
R-25b	750	04/21/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	8.82	—	—	—	permil	—	—	10-2868	CAWA-10-15176	EES6
R-25b	750	10/09/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	6.17	—	—	—	permil	—	—	10-101	CAWA-09-14263	EES6

Table C-1 TA-16 260 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-25b	750	06/08/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	<	4.39	—	—	1.00E-02	permil	U	—	09-2228	CAPA-09-9635	EES6
R-25b	750	09/15/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.69	—	—	—	permil	—	—	11-3612	CAWA-11-27115	EES6
R-25b	750	09/08/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.84	—	—	—	permil	—	—	10-4499	CAWA-10-25899	EES6
R-25b	750	04/21/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.86	—	—	—	permil	—	—	10-2868	CAWA-10-15174	EES6
R-25b	750	10/09/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.73	—	—	—	permil	—	—	10-101	CAWA-09-14261	EES6
R-25b	750	10/09/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.02	—	—	—	permil	—	—	10-101	CAWA-09-14261	EES6
R-25b	750	06/08/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.60	—	—	2.14E-02	permil	—	—	09-2228	CAPA-09-9633	EES6
R-25b	750	09/15/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.09	—	—	—	permil	—	—	11-3612	CAWA-11-27113	EES6
R-25b	750	09/08/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.23	—	—	—	permil	—	—	10-4499	CAWA-10-25900	EES6
R-25b	750	04/21/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.23	—	—	—	permil	—	—	10-2868	CAWA-10-15176	EES6
R-25b	750	10/09/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.46	—	—	—	permil	—	—	10-101	CAWA-09-14263	EES6
R-25b	750	06/08/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-1.66	—	—	—	permil	—	—	09-2228	CAPA-09-9635	EES6
R-25b	750	09/15/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	2.17	8.00E-01	2.35E+00	—	pCi/L	U	U	11-3664	CAWA-11-27115	ARSL
R-25b	750	09/08/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.74	9.58E-01	2.49E+00	—	pCi/L	—	R	10-4590	CAWA-10-25899	ARSL
R-25b	750	09/08/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	4.44	1.05E+00	2.49E+00	—	pCi/L	—	—	10-4590	CAWA-10-25899	ARSL
R-25b	750	04/21/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	2.49	7.12E-01	1.92E+00	—	pCi/L	—	R	10-2950	CAWA-10-15174	ARSL
R-25b	750	04/21/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	3.29	7.79E-01	1.88E+00	—	pCi/L	—	—	10-2950	CAWA-10-15174	ARSL
R-25b	750	10/09/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	6.03	2.87E-01	2.87E-01	—	pCi/L	—	—	10-120	CAWA-09-14261	UMTL
R-25b	750	06/08/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	6.26	2.87E-01	2.87E-01	—	pCi/L	—	—	09-2257	CAPA-09-9633	UMTL
R-25b	750	01/05/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	3.61	2.87E-01	2.87E-01	—	pCi/L	—	—	09-618	CAPA-09-1753	UMTL
R-26	659.3	09/16/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.92	—	—	—	permil	—	—	11-3629	CAWA-11-27172	EES6
R-26	659.3	06/01/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.87	—	—	—	permil	—	—	11-2600	CAWA-11-7011	EES6
R-26	659.3	06/01/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.48	—	—	—	permil	—	—	11-2600	CAWA-11-6953	EES6
R-26	659.3	06/01/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.97	—	—	—	permil	—	—	11-2600	CAWA-11-6897	EES6
R-26	659.3	08/13/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.88	—	—	—	permil	—	—	10-4171	CAWA-10-24737	EES6
R-26	659.3	10/19/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.77	—	—	—	permil	—	—	10-190	CAWA-09-14134	EES6
R-26	659.3	10/07/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.50	—	—	—	permil	—	—	09-51	CAWA-08-16044	EES6
R-26	659.3	09/16/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.83	—	—	—	permil	—	—	11-3629	CAWA-11-27174	EES6
R-26	659.3	09/16/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.04	—	—	—	permil	—	—	11-3629	CAWA-11-27174	EES6
R-26	659.3	06/01/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.43	—	—	—	permil	—	—	11-2600	CAWA-11-7012	EES6
R-26	659.3	06/01/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.33	—	—	—	permil	—	—	11-2600	CAWA-11-6957	EES6
R-26	659.3	06/01/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.28	—	—	—	permil	—	—	11-2600	CAWA-11-6896	EES6
R-26	659.3	08/13/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.91	—	—	—	permil	—	—	10-4171	CAWA-10-24738	EES6
R-26	659.3	10/19/09	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.75	—	—	—	permil	—	—	10-190	CAWA-09-14131	EES6
R-26	659.3	10/07/08	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.61	—	—	—	permil	—	—	09-51	CAWA-08-16045	EES6
R-26	659.3	09/16/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.78	—	—	—	permil	—	—	11-3629	CAWA-11-27172	EES6
R-26	659.3	06/01/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.91	—	—	—	permil	—	—	11-2600	CAWA-11-7011	EES6
R-26	659.3	06/01/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.80	—	—	—	permil	—	—	11-2600	CAWA-11-6953	EES6
R-26	659.3	06/01/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.86	—	—	—	permil	—	—	11-2600	CAWA-11-6897	EES6
R-26	659.3	08/13/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.19	—	—	—	permil	—	—	10-4171	CAWA-10-24737	EES6
R-26	659.3	10/19/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.19	—	—	—	permil	—	—	10-190	CAWA-09-14134	EES6
R-26	659.3	10/19/09	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.06	—	—	—	permil	—	—	10-190	CAWA-09-14134	EES6
R-26	659.3	10/07/08	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.70	—	—	—	permil	—	—	09-51	CAWA-08-16044	EES6
R-26	659.3	10/07/08	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.83	—	—	—	permil	—	—	09-51	CAWA-08-16044	EES6
R-26	659.3	10/17/07	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.78	9.00E-02	—	—	permil	—	—	19498	EU07100G26R101	EES6
R-26	659.3	09/16/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.87	—	—	—	permil	—	—	11-3629	CAWA-11-27174	EES6
R-26	659.3	09/16/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.22	—	—	—	permil	—	—	11-3629	CAWA-11-27174	EES6
R-26	659.3	06/01/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.88	—	—	—	permil	—	—	11-2600	CAWA-11-7012	EES6
R-26	659.3	06/01/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.20	—	—	—	permil	—	—	11-2600	CAWA-11-6957	EES6
R-26	659.3	06/01/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.65	—	—	—	permil	—	—	11-2600	CAWA-11-6896	EES6

Table C-1 TA-16 260 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-26	659.3	08/13/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.80	—	—	—	permil	—	—	10-4171	CAWA-10-24738	EES6
R-26	659.3	10/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.83	—	—	—	permil	—	—	10-190	CAWA-09-14131	EES6
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.26	6.90E-01	2.36E+00	—	pCi/L	U	U	11-3664	CAWA-11-27172	ARSL
R-26	659.3	08/13/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-1.50	5.43E-01	1.76E+00	—	pCi/L	U	U	10-4211	CAWA-10-24737	ARSL
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	10-205	CAWA-09-14134	UMTL
R-26	659.3	10/07/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-6.64	1.33E+00	3.32E+00	—	pCi/L	U	U	09-85	CAWA-08-16044	ARSL
R-26	659.3	10/17/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.10	2.87E-01	2.87E-01	—	pCi/L	—	U	2415	UU07100G26R101	UMTL
R-26	659.3	05/15/07	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.10	2.87E-01	2.87E-01	—	pCi/L	—	U	2345	UU07050G26R120	UMTL
R-26	659.3	05/15/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03	2.87E-01	2.87E-01	—	pCi/L	—	U	2345	UU07050G26R101	UMTL
R-26 PZ-2	150	04/05/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.02	—	—	—	permil	—	—	10-2675	CAWA-10-15177	EES6
R-27	852	09/14/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-80.13	—	—	—	permil	—	—	10-4585	CAWA-10-25888	EES6
R-27	852	10/07/09	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.67	—	—	—	permil	—	—	10-88	CAWA-09-14161	EES6
R-27	852	10/10/08	WG	UF	CS	FD	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.18	—	—	—	permil	—	—	09-81	CAWA-08-16059	EES6
R-27	852	10/10/08	WG	UF	DUP	FD	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.47	—	—	—	permil	—	—	09-81	CAWA-08-16059	EES6
R-27	852	10/10/08	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.79	—	—	—	permil	—	—	09-81	CAWA-08-16054	EES6
R-27	852	10/10/08	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.44	—	—	—	permil	—	—	09-81	CAWA-08-16054	EES6
R-27	852	03/30/07	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.99	2.30E-01	—	—	permil	—	—	18510	EU070300GR2701	EES6
R-27	852	09/14/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.54	—	—	—	permil	—	—	10-4585	CAWA-10-25889	EES6
R-27	852	10/07/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.09	—	—	—	permil	—	—	10-88	CAWA-09-14159	EES6
R-27	852	09/14/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.32	8.62E-01	2.20E+00	—	pCi/L	—	R	10-4590	CAWA-10-25888	ARSL
R-27	852	09/14/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.12	7.02E-01	2.20E+00	—	pCi/L	U	U	10-4590	CAWA-10-25888	ARSL
R-27	852	10/07/09	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.32	2.87E-01	2.87E-01	—	pCi/L	U	U	10-120	CAWA-09-14163	UMTL
R-27	852	10/07/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.19	2.87E-01	2.87E-01	—	pCi/L	U	U	10-120	CAWA-09-14161	UMTL
R-27	852	10/10/08	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-6.65	1.34E+00	3.39E+00	—	pCi/L	U	U	09-85	CAWA-08-16059	ARSL
R-27	852	10/10/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-6.45	1.33E+00	3.45E+00	—	pCi/L	U	U	09-85	CAWA-08-16054	ARSL
R-27	852	05/11/07	WG	UF	CS	FB	Rad	LLEE	Tritium	<	0.19	2.87E-01	2.87E-01	—	pCi/L	—	U	2340	UU070500GR2701-FB	UMTL
R-27	852	03/30/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.10	2.87E-01	2.87E-01	—	pCi/L	—	U	2324	UU070300GR2701	UMTL
R-27	852	02/02/07	WG	UF	CS	FB	Rad	LLEE	Tritium	<	0.13	2.87E-01	2.87E-01	—	pCi/L	—	U	2307	UU070100GR2701-FB	UMTL
R-27	852	02/02/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35	2.87E-01	2.87E-01	—	pCi/L	—	U	2307	UU070100GR2701	UMTL
R-27i	619	04/04/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-8.66	—	—	—	permil	—	—	11-1906	CAWA-11-5321	EES6
R-27i	619	12/01/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.44	—	—	—	permil	—	—	11-761	CAWA-11-2115	EES6
R-27i	619	09/20/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-7.82	—	—	—	permil	—	—	10-4662	CAWA-10-25904	EES6
R-27i	619	04/15/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.08	—	—	—	permil	—	—	10-2819	CAWA-10-15168	EES6
R-27i	619	12/11/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-6.53	—	—	—	permil	—	—	10-912	CAWA-10-5480	EES6
R-27i	619	04/04/11	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.61	6.39E-01	2.17E+00	—	pCi/L	U	U	11-1935	CAWA-11-5320	ARSL
R-27i	619	12/01/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	3.03	8.62E-01	2.30E+00	—	pCi/L	—	—	11-850	CAWA-11-2116	ARSL
R-27i	619	09/20/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	1.56	7.66E-01	2.36E+00	—	pCi/L	U	U	10-4686	CAWA-10-25906	ARSL
R-27i	619	04/15/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.64	6.40E-01	2.13E+00	—	pCi/L	U	U	10-2850	CAWA-10-15169	ARSL
R-27i	619	12/11/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.16	2.87E-01	2.87E-01	—	pCi/L	U	U	10-960	CAWA-10-5479	UMTL
R-47i	840	09/08/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.16	—	—	—	permil	—	—	11-3539	CAWA-11-27179	EES6
R-47i	840	04/07/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.65	—	—	—	permil	—	—	11-1994	CAWA-11-5375	EES6
R-47i	840	12/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.91	—	—	—	permil	—	—	11-778	CAWA-11-2122	EES6
R-47i	840	09/23/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.69	—	—	—	permil	—	—	10-4723	CAWA-10-25908	EES6
R-47i	840	04/08/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-80.38	—	—	—	permil	—	—	10-2714	CAWA-10-15220	EES6
R-47i	840	04/08/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-82.28	—	—	—	permil	—	—	10-2714	CAWA-10-15220	EES6
R-47i	840	04/07/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	2.96	—	—	—	permil	—	—	11-1994	CAWA-11-5374	EES6
R-47i	840	12/02/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	2.30	—	—	—	permil	—	—	11-778	CAWA-11-2120	EES6
R-47i	840	09/23/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.04	—	—	—	permil	—	—	10-4723	CAWA-10-25907	EES6
R-47i	840	04/08/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-0.77	—	—	—	permil	—	—	10-2714	CAWA-10-15222	EES6
R-47i	840	04/08/10	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-1.13	—	—	—	permil	—	—	10-2714	CAWA-10-15222	EES6

Table C-1 TA-16 260 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-47i	840	09/08/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.01	—	—	—	permil	—	—	11-3539	CAWA-11-27179	EES6
R-47i	840	04/07/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.84	—	—	—	permil	—	—	11-1994	CAWA-11-5375	EES6
R-47i	840	12/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.94	—	—	—	permil	—	—	11-778	CAWA-11-2122	EES6
R-47i	840	09/23/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.69	—	—	—	permil	—	—	10-4723	CAWA-10-25908	EES6
R-47i	840	04/08/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.70	—	—	—	permil	—	—	10-2714	CAWA-10-15220	EES6
R-47i	840	12/21/09	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.81	—	—	—	permil	—	—	10-1046	CAWA-10-6910	EES6
R-47i	840	04/07/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.63	—	—	—	permil	—	—	11-1994	CAWA-11-5374	EES6
R-47i	840	12/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.50	—	—	—	permil	—	—	11-778	CAWA-11-2120	EES6
R-47i	840	09/23/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.35	—	—	—	permil	—	—	10-4723	CAWA-10-25907	EES6
R-47i	840	04/08/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-7.77	—	—	—	permil	—	—	10-2714	CAWA-10-15222	EES6
R-47i	840	04/08/10	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-7.34	—	—	—	permil	—	—	10-2714	CAWA-10-15222	EES6
R-47i	840	12/21/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.78	—	—	—	permil	—	—	10-1046	CAWA-10-6911	EES6
R-47i	840	12/02/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.51	6.71E-01	2.20E+00	—	pCi/L	U	U	11-850	CAWA-11-2122	ARSL
R-47i	840	09/23/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.51	9.90E-01	2.68E+00	—	pCi/L	—	R	10-4760	CAWA-10-25908	ARSL
R-47i	840	09/23/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	3.22	9.58E-01	2.68E+00	—	pCi/L	—	—	10-4760	CAWA-10-25908	ARSL
R-47i	840	04/08/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	50.13	3.19E+00	1.85E+00	—	pCi/L	—	R	10-2755	CAWA-10-15220	ARSL
R-47i	840	04/08/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-1.51	6.10E-01	2.00E+00	—	pCi/L	U	U	10-2755	CAWA-10-15220	ARSL
R-47i	840	12/21/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.67	2.87E-01	2.87E-01	—	pCi/L	—	U	10-1199	CAWA-10-6910	UMTL
R-47i	840	12/21/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	-13.4	2.80E+01	9.90E+01	—	pCi/L	U	U	10-1051	CAWA-10-6910	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-80.20	—	—	—	permil	—	—	11-3576	CAWA-11-27181	EES6
R-48	1500	03/28/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.43	—	—	—	permil	—	—	11-1807	CAWA-11-5380	EES6
R-48	1500	01/06/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.72	—	—	—	permil	—	—	11-1044	CAWA-11-3192	EES6
R-48	1500	12/02/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.84	—	—	—	permil	—	—	11-778	CAWA-11-2134	EES6
R-48	1500	09/22/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.93	—	—	—	permil	—	—	10-4712	CAWA-10-25893	EES6
R-48	1500	09/13/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.38	—	—	—	permil	—	—	11-3576	CAWA-11-27182	EES6
R-48	1500	03/28/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.52	—	—	—	permil	—	—	11-1807	CAWA-11-5384	EES6
R-48	1500	01/06/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.71	—	—	—	permil	—	—	11-1044	CAWA-11-3193	EES6
R-48	1500	01/06/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.87	—	—	—	permil	—	—	11-1044	CAWA-11-3193	EES6
R-48	1500	12/02/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.82	—	—	—	permil	—	—	11-778	CAWA-11-2135	EES6
R-48	1500	09/22/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.05	—	—	—	permil	—	—	10-4712	CAWA-10-25891	EES6
R-48	1500	09/13/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.46	—	—	—	permil	—	—	11-3576	CAWA-11-27181	EES6
R-48	1500	03/28/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.24	—	—	—	permil	—	—	11-1807	CAWA-11-5380	EES6
R-48	1500	01/06/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.36	—	—	—	permil	—	—	11-1044	CAWA-11-3192	EES6
R-48	1500	01/06/11	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.36	—	—	—	permil	—	—	11-1044	CAWA-11-3192	EES6
R-48	1500	12/02/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.41	—	—	—	permil	—	—	11-778	CAWA-11-2134	EES6
R-48	1500	09/22/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.38	—	—	—	permil	—	—	10-4712	CAWA-10-25893	EES6
R-48	1500	09/13/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.76	—	—	—	permil	—	—	11-3576	CAWA-11-27182	EES6
R-48	1500	03/28/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.66	—	—	—	permil	—	—	11-1807	CAWA-11-5384	EES6
R-48	1500	01/06/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.80	—	—	—	permil	—	—	11-1044	CAWA-11-3193	EES6
R-48	1500	01/06/11	WG	F	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.84	—	—	—	permil	—	—	11-1044	CAWA-11-3193	EES6
R-48	1500	12/02/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-2.36	—	—	—	permil	—	—	11-778	CAWA-11-2135	EES6
R-48	1500	09/22/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-5.08	—	—	—	permil	—	—	10-4712	CAWA-10-25891	EES6
R-48	1500	04/07/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-3.50	—	—	—	permil	—	—	10-2695	CAWA-10-15227	EES6
R-48	1500	02/17/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.22	—	—	—	permil	—	—	10-1923	CAWA-10-13091	EES6
R-48	1500	11/23/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.05	—	—	—	permil	—	—	10-672	CAWA-10-5476	EES6
R-48	1500	03/28/11	WG	UF	RE	FD	Rad	LLEE	Tritium	<	0.61	7.02E-01	2.30E+00	—	pCi/L	U	U	11-1841	CAWA-11-5385	ARSL
R-48	1500	03/28/11	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.32	7.34E-01	2.52E+00	—	pCi/L	U	U	11-1841	CAWA-11-5380	ARSL
R-48	1500	01/06/11	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.99	7.34E-01	2.36E+00	—	pCi/L	U	U	11-1124	CAWA-11-3192	ARSL
R-48	1500	12/02/10	WG	UF	RE	FD	Rad	LLEE	Tritium	<	1.56	7.98E-01	2.46E+00	—	pCi/L	U	U	11-850	CAWA-11-2127	ARSL
R-48	1500	12/02/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	5.36	1.15E+00	2.52E+00	—	pCi/L	—	—	11-850	CAWA-11-2134	ARSL

Table C-1 TA-16 260 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-48	1500	09/22/10	WG	UF	RE	FD	Rad	LLEE	Tritium	<	1.12	6.71E-01	2.17E+00	—	pCi/L	U	U	10-4760	CAWA-10-25895	ARSL
R-48	1500	09/22/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	0.93	6.71E-01	2.14E+00	—	pCi/L	U	U	10-4760	CAWA-10-25893	ARSL
R-48	1500	04/07/10	WG	UF	RE	FD	Rad	LLEE	Tritium	<	-1.42	5.50E-01	1.80E+00	—	pCi/L	U	U	10-2755	CAWA-10-15228	ARSL
R-48	1500	04/07/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-0.97	5.80E-01	1.90E+00	—	pCi/L	U	U	10-2755	CAWA-10-15226	ARSL
R-48	1500	02/17/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.45	1.92E-01	2.87E-01	—	pCi/L	—	U	10-2062	CAWA-10-13090	UMTL
R-48	1500	11/23/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06	2.87E-01	2.87E-01	—	pCi/L	U	U	10-676	CAWA-10-5475	UMTL
R-63	1325	09/08/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.30	—	—	—	permil	—	—	11-3539	CAWA-11-27190	EES6
R-63	1325	06/22/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.75	—	—	—	permil	—	—	11-2739	CAWA-11-14624	EES6
R-63	1325	04/12/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.80	—	—	—	permil	—	—	11-2027	CAWA-11-4911	EES6
R-63	1325	09/08/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.91	—	—	—	permil	—	—	11-3539	CAWA-11-27188	EES6
R-63	1325	06/22/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.64	—	—	—	permil	—	—	11-2739	CAWA-11-14623	EES6
R-63	1325	04/12/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.14	—	—	—	permil	—	—	11-2027	CAWA-11-4912	EES6
R-63	1325	09/08/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.21	—	—	—	permil	—	—	11-3539	CAWA-11-27190	EES6
R-63	1325	06/22/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.16	—	—	—	permil	—	—	11-2739	CAWA-11-14624	EES6
R-63	1325	04/12/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.80	—	—	—	permil	—	—	11-2027	CAWA-11-4911	EES6
R-63	1325	09/08/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	1.94	—	—	—	permil	—	—	11-3539	CAWA-11-27188	EES6
R-63	1325	06/22/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	3.39	—	—	—	permil	—	—	11-2739	CAWA-11-14623	EES6
R-63	1325	04/12/11	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	0.66	—	—	—	permil	—	—	11-2027	CAWA-11-4912	EES6
R-63	1325	09/08/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35	7.02E-01	2.33E+00	—	pCi/L	U	U	11-3582	CAWA-11-27190	ARSL
R-63	1325	06/22/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03	7.34E-01	2.49E+00	—	pCi/L	U	U	11-2801	CAWA-11-14624	ARSL
R-63	1325	04/12/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.76	7.66E-01	2.62E+00	—	pCi/L	U	U	11-2031	CAWA-11-4911	ARSL
SWSC Spring	—	09/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-0.93	—	—	—	permil	—	—	10-4539	CAWA-10-25723	EES6
SWSC Spring	—	10/15/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	3.73	—	—	—	permil	—	—	10-151	CAWA-09-13701	EES6
SWSC Spring	—	09/10/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	50.74	7.79E+00	3.54E+00	—	pCi/L	—	—	10-4590	CAWA-10-25722	ARSL
SWSC Spring	—	10/15/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	54.28	1.92E+00	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-13702	UMTL
SWSC Spring	—	10/08/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	32.73	5.11E+00	3.37E+00	—	pCi/L	—	U	09-85	CAWA-08-15954	ARSL
SWSC Spring	—	10/23/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	62.58	1.92E+00	2.87E-01	—	pCi/L	—	—	2415	UU07100SWSCS01	UMTL
SWSC Spring	—	05/10/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	67.69	2.24E+00	2.87E-01	—	pCi/L	—	—	2340	UU07050SWSCS01	UMTL
WCO-1r	6	09/20/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	39.37	5.97E+00	1.88E+00	—	pCi/L	—	R	10-4686	CAWA-10-25771	ARSL
WCO-1r	6	09/20/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	40.33	6.13E+00	1.88E+00	—	pCi/L	—	—	10-4686	CAWA-10-25771	ARSL
Water Canyon Gallery	—	09/10/10	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.60	—	—	—	permil	—	—	10-4544	CAWA-10-25726	EES6
Water Canyon Gallery	—	10/19/09	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.59	—	—	—	permil	—	—	10-184	CAWA-09-13695	EES6
Water Canyon Gallery	—	10/17/08	WG	F	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio from Nitrate	—	-4.84	—	—	—	permil	—	—	09-126	CAWA-08-15946	EES6
Water Canyon Gallery	—	09/10/10	WG	UF	RE	—	Rad	LLEE	Tritium	—	6.03	1.15E+00	2.11E+00	—	pCi/L	—	—	10-4590	CAWA-10-25725	ARSL
Water Canyon Gallery	—	10/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	3.48	2.87E-01	2.87E-01	—	pCi/L	—	—	10-205	CAWA-09-13696	UMTL
Water Canyon Gallery	—	10/17/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.44	2.87E-01	2.87E-01	—	pCi/L	—	—	09-149	CAWA-08-15944	UMTL
Water Canyon Gallery	—	10/18/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	7.22	2.87E-01	2.87E-01	—	pCi/L	—	—	2415	UU071000GGCW01	UMTL
Water Canyon Gallery	—	05/14/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	28.90	9.58E-01	2.87E-01	—	pCi/L	—	—	2340	UU070500GGCW01	UMTL

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.6	—	—	0.73	mg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.4	—	—	0.73	mg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59	—	—	0.73	mg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.6	—	—	0.73	mg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.6	—	—	0.73	mg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0887	—	—	0.07	mg/L	J	J	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0927	—	—	0.07	mg/L	J	J	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0843	—	—	0.07	mg/L	J	J	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	10-3773	RE16-10-24526	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	0.05	mg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	0.05	mg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	0.05	mg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.1	—	—	0.05	mg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	0.05	mg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	0.05	mg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	0.05	mg/L	—	—	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.3	—	—	0.05	mg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.5	—	—	0.05	mg/L	—	—	10-3773	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	20.3	—	—	0.13	mg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.9	—	—	0.13	mg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.2	—	—	0.13	mg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	20.6	—	—	0.13	mg/L	—	J+	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	15.2	—	—	0.07	mg/L	—	J+	10-3773	RE16-10-24526	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.147	—	—	0.03	mg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.149	—	—	0.03	mg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.155	—	—	0.03	mg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.15	—	—	0.03	mg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.14	—	—	0.03	mg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	68.7	—	—	0.45	mg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.9	—	—	0.45	mg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.7	—	—	0.45	mg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.5	—	—	0.35	mg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.7	—	—	0.35	mg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	69.3	—	—	0.45	mg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.3	—	—	0.45	mg/L	—	—	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.7	—	—	0.35	mg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	0.35	mg/L	—	—	10-3773	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.89	—	—	0.11	mg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.02	—	—	0.11	mg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.36	—	—	0.11	mg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.68	—	—	0.09	mg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.49	—	—	0.09	mg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.9	—	—	0.11	mg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.55	—	—	0.11	mg/L	—	—	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.83	—	—	0.09	mg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.4	—	—	0.09	mg/L	—	—	10-3773	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.93	—	—	0.05	mg/L	—	J	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.05	—	—	0.05	mg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.875	—	—	0.05	mg/L	—	—	11-1504	RE16-11-3292	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.645	—	—	0.05	mg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.56	—	—	0.05	mg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.46	—	—	0.05	µg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.553	—	—	0.05	µg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.472	—	—	0.05	µg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.472	—	—	0.05	µg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.512	—	—	0.05	µg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.2	—	—	0.05	mg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.33	—	—	0.05	mg/L	—	J	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.03	—	—	0.05	mg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.94	—	—	0.05	mg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.92	—	—	0.05	mg/L	—	J	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.25	—	—	0.05	mg/L	—	J	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.11	—	—	0.05	mg/L	—	—	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.04	—	—	0.05	mg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.04	—	—	0.05	mg/L	—	J	10-3773	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	0.10	mg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.3	—	—	0.10	mg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	0.10	mg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.3	—	—	0.10	mg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	0.10	mg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	0.10	mg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.6	—	—	0.10	mg/L	—	—	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.2	—	—	0.10	mg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	0.10	mg/L	—	—	10-3773	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	220	—	—	1.00	µS/cm	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	214	—	—	1.00	µS/cm	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	208	—	—	1.00	µS/cm	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	207	—	—	1.00	µS/cm	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00	µS/cm	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.79	—	—	0.10	mg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.91	—	—	0.10	mg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.38	—	—	0.10	mg/L	—	J+	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.4	—	—	0.10	mg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.85	—	—	0.10	mg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	3.40	mg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	3.40	mg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40	mg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40	mg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40	mg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.799	—	—	0.33	mg/L	J	J	12-585	CAWA-12-1955	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.62	—	—	0.33	mg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.615	—	—	0.33	mg/L	J	J	11-1503	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.35	—	—	0.33	mg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.6	—	—	0.33	mg/L	—	—	10-3772	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.31	—	—	0.01	SU	H	J-	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.16	—	—	0.01	SU	H	J-	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.22	—	—	0.01	SU	H	J-	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.21	—	—	0.01	SU	H	J-	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.11	—	—	0.01	SU	H	J-	10-3773	RE16-10-24526	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
16-26644	130	01/13/12	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.123	—	—	0.10	µg/L	J	J	12-585	CAWA-12-1955	GELC
16-26644	130	09/19/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	4.38	—	—	0.10	µg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.129	—	—	0.10	µg/L	J	J	11-1503	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.227	—	—	0.10	µg/L	J	J	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	2.3	—	—	0.10	µg/L	—	—	10-3772	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	2.75	—	—	0.10	µg/L	—	—	12-585	CAWA-12-1955	GELC
16-26644	130	09/19/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	35.4	—	—	0.52	µg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	2.88	—	—	0.10	µg/L	—	—	11-1503	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	3.68	—	—	0.10	µg/L	—	J+	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	16.1	—	—	0.26	µg/L	—	—	10-3772	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.337	—	—	0.10	µg/L	—	—	12-585	CAWA-12-1955	GELC
16-26644	130	09/19/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	6.7	—	—	0.10	µg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.327	—	—	0.10	µg/L	—	—	11-1503	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.398	—	—	0.10	µg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	2.33	—	—	0.10	µg/L	—	—	10-3772	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	49.7	—	—	1.00	µg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	108	—	—	1.00	µg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	51.3	—	—	1.00	µg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	50.7	—	—	1.00	µg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	90.1	—	—	1.00	µg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	108	—	—	1.00	µg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	53.6	—	—	1.00	µg/L	—	—	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	51.5	—	—	1.00	µg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	91.3	—	—	1.00	µg/L	—	—	10-3773	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.612	—	—	0.17	µg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.687	—	—	0.17	µg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.738	—	—	0.17	µg/L	—	U	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.614	—	—	0.10	µg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.506	—	—	0.10	µg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.645	—	—	0.17	µg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.738	—	—	0.17	µg/L	—	U	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.609	—	—	0.10	µg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.668	—	—	0.10	µg/L	—	—	10-3773	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.58	—	—	0.50	µg/L	J	J	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.46	—	—	0.50	µg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.66	—	—	0.50	µg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.96	—	—	0.50	µg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.84	—	—	0.50	µg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.7	—	—	0.50	µg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.27	—	—	0.50	µg/L	—	—	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.44	—	—	0.50	µg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.18	—	—	0.50	µg/L	—	—	10-3773	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.9	—	—	0.05	mg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	46.5	—	—	0.05	mg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	46.9	—	—	0.05	mg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	43.5	—	—	0.05	mg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.4	—	—	0.05	mg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00	µg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	115	—	—	1.00	µg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	103	—	—	1.00	µg/L	—	—	11-1504	RE16-11-3292	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
16-26644	130	11/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	93.7	—	—	1.00	µg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	88.5	—	—	1.00	µg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	113	—	—	1.00	µg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00	µg/L	—	—	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	96.8	—	—	1.00	µg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	86.3	—	—	1.00	µg/L	—	—	10-3773	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.838	—	—	0.07	µg/L	—	—	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.631	—	—	0.07	µg/L	—	—	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.7	—	—	0.07	µg/L	—	—	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.57	—	—	0.05	µg/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.294	—	—	0.05	µg/L	—	—	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.66	—	—	0.07	µg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.692	—	—	0.07	µg/L	—	—	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.601	—	—	0.05	µg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.306	—	—	0.05	µg/L	—	—	10-3773	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.78	—	—	1.00	µg/L	J	J	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.45	—	—	1.00	µg/L	J	J	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.15	—	—	1.00	µg/L	J	J	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.58	—	—	1.00	µg/L	J	J	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.62	—	—	1.00	µg/L	J	J	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.51	—	—	1.00	µg/L	J	J	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.6	—	—	1.00	µg/L	J	J	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.81	—	—	1.00	µg/L	J	J	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.19	—	—	1.00	µg/L	J	J	10-3773	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.3	—	—	3.30	µg/L	J	J	12-585	CAWA-12-1954	GELC
16-26644	130	09/19/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.7	—	—	3.30	µg/L	J	J	11-3641	CAWA-11-27145	GELC
16-26644	130	03/02/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	11-1504	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.31	—	—	3.30	µg/L	J	J	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.12	—	—	3.30	µg/L	J	J	10-3773	RE16-10-24526	GELC
16-26644	130	09/19/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.3	—	—	3.30	µg/L	J	J	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	11-1504	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.74	—	—	3.30	µg/L	J	J	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.1	—	—	3.30	µg/L	—	—	10-3773	RE16-10-24527	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00625	0.00	0.03	—	pCi/L	U	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00295	0.00	0.03	—	pCi/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.011	0.00	0.04	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00177	0.00	0.02	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0	0.00	0.05	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.643	0.47	4.90	—	pCi/L	U	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.709	0.40	3.50	—	pCi/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.722	0.43	4.60	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.795	0.67	6.60	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.922	0.47	5.40	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.82	0.43	4.90	—	pCi/L	U	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.168	0.47	4.50	—	pCi/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.548	0.40	3.90	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.756	0.47	4.30	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.00846	0.40	4.70	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.9	0.28	2.10	—	pCi/L	U	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	3.44	0.37	2.30	—	pCi/L	—	—	11-351	RE16-11-1719	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
16-26644	130	07/22/10	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.0858	0.20	2.80	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.76	0.22	2.40	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.731	0.22	2.40	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.2	0.29	2.50	—	pCi/L	—	—	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.58	0.33	3.00	—	pCi/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	EPA:900	Gross beta	<	0.466	0.24	2.60	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.51	0.24	2.20	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.62	0.32	3.00	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.4	1.03	9.50	—	pCi/L	U	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.05	0.87	8.80	—	pCi/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.16	0.83	8.50	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.78	4.00	38.00	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.889	0.80	8.40	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0017	0.00	0.02	—	pCi/L	U	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.02	—	pCi/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00187	0.00	0.03	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0276	0.00	0.04	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00263	0.00	0.04	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0034	0.00	0.03	—	pCi/L	U	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.021	0.00	0.04	—	pCi/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00187	0.00	0.03	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0217	0.00	0.02	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00263	0.00	0.03	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	42.3	5.33	64.00	—	pCi/L	U	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	0.272	6.00	53.00	—	pCi/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.98	5.33	52.00	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.3	6.00	55.00	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	3.75	6.00	70.00	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	EPA:903.1	Radium-226	<	0.246	0.03	0.28	—	pCi/L	U	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	EPA:903.1	Radium-226	—	1.28	0.11	0.45	—	pCi/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	EPA:903.1	Radium-226	—	0.298	0.03	0.17	—	pCi/L	—	—	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	EPA:903.1	Radium-226	<	0.402	0.07	0.59	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.14	0.11	0.68	—	pCi/L	—	—	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	EPA:904	Radium-228	<	0.962	0.11	0.92	—	pCi/L	—	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	EPA:904	Radium-228	—	0.665	0.06	0.47	—	pCi/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	EPA:904	Radium-228	<	-0.076	0.10	1.10	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	EPA:904	Radium-228	—	0.783	0.08	0.60	—	pCi/L	—	—	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.262	0.06	0.54	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.06	0.43	4.80	—	pCi/L	U	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.4	0.37	3.10	—	pCi/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.16	0.37	3.50	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.29	0.50	4.70	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.17	0.50	5.20	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0149	0.05	0.51	—	pCi/L	U	U	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.222	0.05	0.48	—	pCi/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.119	0.04	0.46	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.449	0.05	0.47	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.337	0.05	0.48	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.363	0.01	0.05	—	pCi/L	—	—	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.381	0.01	0.06	—	pCi/L	—	—	11-351	RE16-11-1719	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
16-26644	130	07/22/10	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.153	0.01	0.07	—	pCi/L	—	—	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.225	0.01	0.04	—	pCi/L	—	—	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.433	0.02	0.04	—	pCi/L	—	—	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0387	0.00	0.03	—	pCi/L	—	—	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0148	0.00	0.04	—	pCi/L	U	U	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0127	0.00	0.04	—	pCi/L	U	U	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0246	0.00	0.03	—	pCi/L	U	U	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00352	0.00	0.04	—	pCi/L	U	U	12-585	CAWA-12-1955	GELC
16-26644	130	03/02/11	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.184	0.01	0.03	—	pCi/L	—	—	11-1505	RE16-11-3292	GELC
16-26644	130	11/02/10	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.237	0.01	0.03	—	pCi/L	—	—	11-351	RE16-11-1719	GELC
16-26644	130	07/22/10	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.108	0.01	0.05	—	pCi/L	—	—	10-3774	RE16-10-24526	GELC
16-26644	130	04/20/10	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.114	0.01	0.03	—	pCi/L	—	—	10-2843	GW16-10-15982	GELC
16-26644	130	01/13/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.222	0.01	0.04	—	pCi/L	—	—	12-585	CAWA-12-1955	GELC
16-26644	130	01/13/12	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	2.85	—	—	0.30	µg/L	—	—	12-585	CAWA-12-1955	GELC
16-26644	130	09/19/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	5.03	—	—	0.30	µg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	3.31	—	—	0.30	µg/L	—	—	11-1503	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	1.38	—	—	0.30	µg/L	—	—	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	3.34	—	—	0.30	µg/L	—	—	10-3772	RE16-10-24527	GELC
16-26644	130	01/13/12	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	2.13	—	—	0.25	µg/L	—	—	12-585	CAWA-12-1955	GELC
16-26644	130	09/19/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	4.14	—	—	0.25	µg/L	—	—	11-3641	CAWA-11-27147	GELC
16-26644	130	03/02/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	2.45	—	—	0.25	µg/L	—	—	11-1503	RE16-11-3293	GELC
16-26644	130	11/02/10	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.93	—	—	0.25	µg/L	J	J	11-351	RE16-11-1720	GELC
16-26644	130	07/22/10	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	2.8	—	—	0.25	µg/L	—	—	10-3772	RE16-10-24527	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	76.5	—	—	0.73	mg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.7	—	—	0.73	mg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.3	—	—	0.73	mg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	10/15/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.6	—	—	0.73	mg/L	—	—	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.8	—	—	0.73	mg/L	—	—	09-1273	CAWA-09-5530	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.137	—	—	0.07	mg/L	J	J	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0824	—	—	0.07	mg/L	J	J	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	10/15/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	10/15/09	WG	F	RE	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.079	—	—	0.07	mg/L	J	J	09-1273	CAWA-09-5530	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	29	—	—	0.05	mg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	0.05	mg/L	—	—	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	0.05	mg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.6	—	—	0.05	mg/L	—	—	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	0.05	mg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	0.05	mg/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.8	—	—	0.05	mg/L	—	—	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	42	—	—	0.33	mg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	21.5	—	—	0.13	mg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.8	—	—	0.07	mg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	10/15/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.5	—	—	0.07	mg/L	—	J+	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	10/15/09	WG	F	RE	—	Geninorg	EPA:300.0	Chloride	—	19.5	—	—	0.07	mg/L	—	J+	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	23.8	—	—	0.13	mg/L	—	—	09-1273	CAWA-09-5530	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.179	—	—	0.03	mg/L	—	—	12-566	CAWA-12-1933	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.161	—	—	0.03	mg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.145	—	—	0.03	mg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	10/15/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.262	—	—	0.03	mg/L	—	R	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	10/15/09	WG	F	RE	—	Geninorg	EPA:300.0	Fluoride	—	0.112	—	—	0.03	mg/L	—	—	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.179	—	—	0.03	mg/L	—	—	09-1273	CAWA-09-5530	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	107	—	—	0.45	mg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.2	—	—	0.45	mg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65	—	—	0.45	mg/L	—	—	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.3	—	—	0.35	mg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	88.7	—	—	0.35	mg/L	—	—	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	83.9	—	—	0.45	mg/L	—	—	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	68.5	—	—	0.45	mg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.5	—	—	0.35	mg/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	86	—	—	0.35	mg/L	—	—	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.51	—	—	0.11	mg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.73	—	—	0.11	mg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.21	—	—	0.11	mg/L	—	—	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.03	—	—	0.09	mg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.2	—	—	0.09	mg/L	—	—	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.68	—	—	0.11	mg/L	—	—	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.5	—	—	0.11	mg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.25	—	—	0.09	mg/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.06	—	—	0.09	mg/L	—	—	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.615	—	—	0.05	µg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.599	—	—	0.05	µg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.592	—	—	0.05	µg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	10/15/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.715	—	—	0.05	µg/L	—	—	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	03/24/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.612	—	—	0.05	µg/L	—	—	09-1273	CAWA-09-5530	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.11	—	—	0.05	mg/L	E	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.43	—	—	0.05	mg/L	—	J	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.01	—	—	0.05	mg/L	—	—	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.05	—	—	0.05	mg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.88	—	—	0.05	mg/L	—	—	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.47	—	—	0.05	mg/L	—	J	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.17	—	—	0.05	mg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.1	—	—	0.05	mg/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.74	—	—	0.05	mg/L	—	—	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.8	—	—	0.10	mg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	0.10	mg/L	—	—	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	0.10	mg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.7	—	—	0.10	mg/L	—	—	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.8	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	0.10	mg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	0.10	mg/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	24.9	—	—	0.10	mg/L	—	—	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	341	—	—	1.00	µS/cm	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	263	—	—	1.00	µS/cm	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	213	—	—	1.00	µS/cm	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.1	—	—	0.10	mg/L	—	—	12-566	CAWA-12-1933	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.1	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.35	—	—	0.10	mg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	10/15/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.32	—	—	0.10	mg/L	—	—	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	10/15/09	WG	F	RE	—	Geninorg	EPA:300.0	Sulfate	—	7.32	—	—	0.10	mg/L	—	—	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.35	—	—	0.10	mg/L	—	—	09-1273	CAWA-09-5530	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	221	—	—	3.40	mg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	186	—	—	3.40	mg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	172	—	—	2.40	mg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	10/15/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	171	—	—	2.40	mg/L	—	—	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40	mg/L	—	—	09-1273	CAWA-09-5530	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.21	—	—	0.33	mg/L	—	—	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1.94	—	—	0.33	mg/L	—	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.93	—	—	0.33	mg/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.13	—	—	0.33	mg/L	—	—	10-148	CAWA-09-13703	GELC
Burning Ground Spring	—	03/24/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.38	—	—	0.33	mg/L	—	—	09-1272	CAWA-09-5533	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.51	—	—	0.01	SU	H	J-	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.36	—	—	0.01	SU	H	J-	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	0.01	SU	H	J-	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	0.302	—	—	0.10	µg/L	J	J	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	0.326	—	—	0.10	µg/L	—	—	11-3608	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	0.342	—	—	0.10	µg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	0.265	—	—	0.10	µg/L	J	J	10-4542	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	0.362	—	—	0.10	µg/L	—	—	10-2716	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.18	—	—	0.10	µg/L	J	J	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.252	—	—	0.10	µg/L	J	J	11-3608	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.251	—	—	0.10	µg/L	J	J	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.292	—	—	0.10	µg/L	J	J	10-4542	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.444	—	—	0.10	µg/L	—	—	10-2716	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	1.32	—	—	0.10	µg/L	—	—	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	1.95	—	—	0.10	µg/L	—	—	11-3608	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	1.44	—	—	0.10	µg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.914	—	—	0.10	µg/L	—	—	10-4542	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	4.53	—	—	0.10	µg/L	—	—	10-2716	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	19.7	—	—	0.26	µg/L	—	—	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	21.9	—	—	0.52	µg/L	—	—	11-3608	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	27.1	—	—	0.26	µg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	12.5	—	—	0.10	µg/L	—	—	10-4542	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	38.1	—	—	1.00	µg/L	—	—	10-2716	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.48	—	—	0.08	µg/L	JP	—	12-565	CAWA-12-1934	STSL
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.31	—	—	0.08	µg/L	J	J	11-3611	CAWA-11-27048	STSL
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.31	—	—	0.08	µg/L	J	J	11-2004	CAWA-11-5401	STSL
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	<	0.19	—	—	0.08	µg/L	JP	U	10-4541	CAWA-10-25704	STSL
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	<	0.5	—	—	0.08	µg/L	U	U	10-2715	CAWA-10-14972	STSL
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.53	—	—	0.10	µg/L	—	—	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.684	—	—	0.10	µg/L	—	—	11-3608	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.713	—	—	0.10	µg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.687	—	—	0.10	µg/L	—	—	10-4542	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	2.79	—	—	0.10	µg/L	—	—	10-2716	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	266	—	—	1.00	µg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	225	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27049	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	158	—	—	1.00	µg/L	—	—	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	169	—	—	1.00	µg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	265	—	—	1.00	µg/L	—	—	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	227	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	168	—	—	1.00	µg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	175	—	—	1.00	µg/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	271	—	—	1.00	µg/L	—	—	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.3	—	—	15.00	µg/L	J	J	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.7	—	—	15.00	µg/L	J	J	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	15.00	µg/L	J	J	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	15.00	µg/L	U	U	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.2	—	—	15.00	µg/L	J	J	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.9	—	—	15.00	µg/L	J	J	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19	—	—	15.00	µg/L	J	J	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	15.00	µg/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	15.00	µg/L	J	J	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.18	—	—	2.00	µg/L	J	J	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00	µg/L	U	U	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.78	—	—	2.00	µg/L	J	J	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.2	—	—	2.50	µg/L	J	J	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50	µg/L	U	U	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00	µg/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.14	—	—	2.00	µg/L	J	J	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.17	—	—	2.50	µg/L	J	J	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50	µg/L	U	U	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.66	—	—	3.00	µg/L	J	J	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.69	—	—	0.17	µg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.661	—	—	0.17	µg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.658	—	—	0.17	µg/L	—	—	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.623	—	—	0.10	µg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.651	—	—	0.10	µg/L	—	U	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.647	—	—	0.17	µg/L	—	—	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.662	—	—	0.17	µg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.627	—	—	0.10	µg/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.575	—	—	0.10	µg/L	—	U	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.33	—	—	0.50	µg/L	J	J	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.49	—	—	0.50	µg/L	J	J	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.26	—	—	0.50	µg/L	J	J	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.44	—	—	0.50	µg/L	J	J	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.75	—	—	0.50	µg/L	—	—	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.81	—	—	0.50	µg/L	J	J	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	0.50	µg/L	J	J	11-2005	CAWA-11-5401	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.59	—	—	0.50	µg/L	J	J	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.38	—	—	0.50	µg/L	—	—	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.5	—	—	0.05	mg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.6	—	—	0.05	mg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	10/15/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.2	—	—	0.05	mg/L	—	—	10-148	CAWA-09-13705	GELC
Burning Ground Spring	—	03/24/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.8	—	—	0.03	mg/L	—	—	09-1273	CAWA-09-5530	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	183	—	—	1.00	µg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	145	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	112	—	—	1.00	µg/L	—	—	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00	µg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00	µg/L	—	—	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	145	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	118	—	—	1.00	µg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	113	—	—	1.00	µg/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	153	—	—	1.00	µg/L	—	—	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.06	—	—	0.07	µg/L	—	—	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.827	—	—	0.07	µg/L	—	—	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.486	—	—	0.07	µg/L	—	—	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.334	—	—	0.05	µg/L	—	—	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.323	—	—	0.05	µg/L	—	U	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.21	—	—	0.07	µg/L	—	—	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.527	—	—	0.07	µg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.398	—	—	0.05	µg/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.461	—	—	0.05	µg/L	—	U	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.42	—	—	1.00	µg/L	J	J	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.78	—	—	1.00	µg/L	J	J	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.18	—	—	1.00	µg/L	J	J	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.4	—	—	1.00	µg/L	J	J	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.42	—	—	1.00	µg/L	J	J	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.13	—	—	1.00	µg/L	J	J	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.43	—	—	1.00	µg/L	J	J	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.95	—	—	1.00	µg/L	J	J	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.04	—	—	1.00	µg/L	J	J	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.47	—	—	3.30	µg/L	J	J	12-566	CAWA-12-1933	GELC
Burning Ground Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	11-3609	CAWA-11-27049	GELC
Burning Ground Spring	—	04/11/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	11-2005	CAWA-11-5402	GELC
Burning Ground Spring	—	09/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	10-4543	CAWA-10-25705	GELC
Burning Ground Spring	—	04/09/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	10-2717	CAWA-10-14970	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	10-2717	CAWA-10-14972	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0117	0.00	0.03	—	pCi/L	U	U	09-54	CAWA-08-15957	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00344	0.00	0.03	—	pCi/L	U	UJ	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.013	0.00	0.04	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0051	0.00	0.04	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00462	0.00	0.03	—	pCi/L	U	U	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000126	0.00	0.03	—	pCi/L	U	U	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.966	0.47	4.20	—	pCi/L	U	U	09-54	CAWA-08-15957	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	5.12	0.93	4.50	—	pCi/L	UI	R	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.04	0.63	5.90	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.28	0.53	5.60	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.57	0.53	4.00	—	pCi/L	U	U	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.662	0.33	3.30	—	pCi/L	U	U	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.14	0.47	5.30	—	pCi/L	U	U	09-54	CAWA-08-15957	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.45	0.40	4.20	—	pCi/L	U	U	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.39	0.63	5.30	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.32	0.47	5.20	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.33	0.50	5.90	—	pCi/L	U	U	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.34	0.37	4.10	—	pCi/L	U	U	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	10/19/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.749	0.30	3.37	—	pCi/L	U	U	196215	GF071000GSGB01	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.38	0.25	2.00	—	pCi/L	U	U	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.985	0.21	1.90	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.08	0.22	2.00	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.39	0.32	2.30	—	pCi/L	—	U	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/19/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.14	0.13	1.08	—	pCi/L	—	J	196215	GU071000GSGB01	GELC
Burning Ground Spring	—	10/19/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.86	0.27	2.29	—	pCi/L	—	J	196215	GF071000GSGB01	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6.2	0.40	2.90	—	pCi/L	—	—	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.9	0.24	2.10	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.03	0.22	2.20	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.77	0.25	1.90	—	pCi/L	—	—	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/19/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.66	0.39	3.29	—	pCi/L	—	J	196215	GU071000GSGB01	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.01	2.70	28.00	—	pCi/L	U	U	09-54	CAWA-08-15957	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.15	0.97	11.00	—	pCi/L	U	U	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.31	1.00	10.00	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.14	1.20	12.00	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.19	3.33	32.00	—	pCi/L	U	U	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.2	3.33	34.00	—	pCi/L	U	U	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00166	0.00	0.03	—	pCi/L	U	U	09-54	CAWA-08-15957	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00668	0.00	0.04	—	pCi/L	U	U	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00555	0.00	0.03	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.02	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.03	—	pCi/L	U	U	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00871	0.00	0.03	—	pCi/L	U	U	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00166	0.00	0.03	—	pCi/L	U	U	09-54	CAWA-08-15957	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00455	0.00	0.03	—	pCi/L	U	U	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00555	0.00	0.05	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.00	0.03	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.00	0.03	—	pCi/L	U	U	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0157	0.00	0.03	—	pCi/L	U	U	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	45.5	5.67	34.00	—	pCi/L	UI	R	09-54	CAWA-08-15957	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.21	4.67	54.00	—	pCi/L	U	U	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16	8.33	91.00	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	32.7	7.33	78.00	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.5	6.33	68.00	—	pCi/L	U	U	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-20.7	5.67	56.00	—	pCi/L	U	U	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.127	0.47	4.50	—	pCi/L	U	U	09-54	CAWA-08-15957	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.38	0.37	4.90	—	pCi/L	U	U	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.12	0.53	4.50	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.984	0.50	4.80	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.87	0.53	5.00	—	pCi/L	U	U	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.39	0.37	4.20	—	pCi/L	U	U	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.25	0.05	0.48	—	pCi/L	U	U	09-54	CAWA-08-15957	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.188	0.05	0.48	—	pCi/L	U	U	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0707	0.04	0.48	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.119	0.05	0.48	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.178	0.04	0.44	—	pCi/L	U	U	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.254	0.05	0.48	—	pCi/L	U	U	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.133	0.01	0.19	—	pCi/L	U	U	09-54	CAWA-08-15957	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.665	0.02	0.05	—	pCi/L	—	—	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.451	0.02	0.07	—	pCi/L	—	—	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.288	0.01	0.10	—	pCi/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.265	0.01	0.07	—	pCi/L	—	—	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.455	0.02	0.16	—	pCi/L	—	—	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.00	0.10	—	pCi/L	U	U	09-54	CAWA-08-15957	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0284	0.00	0.04	—	pCi/L	U	U	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00444	0.00	0.05	—	pCi/L	U	U	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00883	0.00	0.05	—	pCi/L	U	U	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0156	0.00	0.04	—	pCi/L	U	U	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0284	0.01	0.08	—	pCi/L	U	U	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	10/07/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0961	0.01	0.10	—	pCi/L	U	U	09-54	CAWA-08-15957	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.44	0.02	0.04	—	pCi/L	—	—	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.352	0.02	0.06	—	pCi/L	—	—	11-3609	CAWA-11-27048	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.154	0.01	0.04	—	pCi/L	—	—	10-4543	CAWA-10-25704	GELC
Burning Ground Spring	—	10/15/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.179	0.01	0.04	—	pCi/L	—	—	10-149	CAWA-09-13703	GELC
Burning Ground Spring	—	10/07/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.188	0.01	0.09	—	pCi/L	—	—	09-54	CAWA-08-15956	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	1.67	—	—	0.30	µg/L	—	—	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	2.11	—	—	0.30	µg/L	—	—	11-3608	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	1.41	—	—	0.30	µg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	1.42	—	—	0.30	µg/L	—	J-	10-4542	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	1.51	—	—	0.30	µg/L	—	—	10-2716	CAWA-10-14972	GELC
Burning Ground Spring	—	01/10/12	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	1.78	—	—	0.25	µg/L	—	—	12-566	CAWA-12-1934	GELC
Burning Ground Spring	—	09/15/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	1.94	—	—	0.25	µg/L	—	—	11-3608	CAWA-11-27048	GELC
Burning Ground Spring	—	04/11/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	1.61	—	—	0.25	µg/L	—	—	11-2005	CAWA-11-5401	GELC
Burning Ground Spring	—	09/10/10	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	1.6	—	—	0.25	µg/L	—	J-	10-4542	CAWA-10-25704	GELC
Burning Ground Spring	—	04/09/10	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	1.34	—	—	0.25	µg/L	—	—	10-2716	CAWA-10-14972	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.7	—	—	0.73	mg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.9	—	—	0.73	mg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.8	—	—	0.73	mg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	10/07/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.3	—	—	0.73	mg/L	—	—	09-53	CAWA-08-15976	GELC
CDV-16-02656	3	04/01/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64	—	—	0.73	mg/L	—	—	08-901	CAWA-08-11588	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.5	—	—	0.05	mg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.8	—	—	0.05	mg/L	—	J-	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	0.05	mg/L	—	—	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	0.05	mg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	0.03	mg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.2	—	—	0.05	mg/L	—	J-	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.7	—	—	0.05	mg/L	—	—	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	0.05	mg/L	—	—	10-99	CAWA-09-13776	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	0.03	mg/L	—	—	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	27.8	—	—	0.33	mg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	16.7	—	—	0.07	mg/L	—	J+	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	10/09/09	WG	F	RE	—	Geninorg	EPA:300.0	Chloride	—	16.7	—	—	0.07	mg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	23.5	—	—	0.13	mg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	10/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	14.2	—	—	0.07	mg/L	—	J+	09-53	CAWA-08-15976	GELC
CDV-16-02656	3	04/01/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	20.8	—	—	0.13	mg/L	—	—	08-901	CAWA-08-11588	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.247	—	—	0.03	mg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.275	—	—	0.03	mg/L	—	R	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	10/09/09	WG	F	RE	—	Geninorg	EPA:300.0	Fluoride	—	0.14	—	—	0.03	mg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.19	—	—	0.03	mg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	10/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.21	—	—	0.03	mg/L	—	—	09-53	CAWA-08-15976	GELC
CDV-16-02656	3	04/01/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.155	—	—	0.03	mg/L	—	—	08-901	CAWA-08-11588	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	95.6	—	—	0.45	mg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.8	—	—	0.45	mg/L	—	—	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	76.5	—	—	0.35	mg/L	—	—	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65	—	—	0.35	mg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63	—	—	0.35	mg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.2	—	—	0.45	mg/L	—	—	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	74.8	—	—	0.35	mg/L	—	—	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.6	—	—	0.35	mg/L	—	—	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63	—	—	0.35	mg/L	—	—	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.14	—	—	0.11	mg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	0.11	mg/L	—	—	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.69	—	—	0.09	mg/L	—	—	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.89	—	—	0.09	mg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.82	—	—	0.09	mg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.4	—	—	0.11	mg/L	—	—	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.61	—	—	0.09	mg/L	—	—	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.81	—	—	0.09	mg/L	—	—	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.88	—	—	0.09	mg/L	—	—	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0936	—	—	0.01	mg/L	—	J+	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.272	—	—	0.05	mg/L	—	U	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0221	—	—	0.01	mg/L	J	J	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	10/07/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0396	—	—	0.01	mg/L	J	U	09-53	CAWA-08-15976	GELC
CDV-16-02656	3	04/01/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.175	—	—	0.05	mg/L	J	J	08-901	CAWA-08-11588	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.418	—	—	0.05	µg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.419	—	—	0.05	µg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.416	—	—	0.05	µg/L	—	J	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	10/07/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.275	—	—	0.05	µg/L	—	—	09-53	CAWA-08-15976	GELC
CDV-16-02656	3	04/01/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.395	—	—	0.05	µg/L	—	—	08-901	CAWA-08-11588	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.55	—	—	0.05	mg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.68	—	—	0.05	mg/L	—	—	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.19	—	—	0.05	mg/L	—	—	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.41	—	—	0.05	mg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.97	—	—	0.05	mg/L	E	J	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.9	—	—	0.05	mg/L	—	—	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.14	—	—	0.05	mg/L	—	—	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.34	—	—	0.05	mg/L	—	—	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.04	—	—	0.05	mg/L	E	—	09-1327	CAWA-09-5549	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.6	—	—	0.10	mg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.1	—	—	0.10	mg/L	—	—	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22	—	—	0.10	mg/L	—	—	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.1	—	—	0.10	mg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	0.05	mg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	0.10	mg/L	—	—	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.5	—	—	0.10	mg/L	—	—	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.3	—	—	0.10	mg/L	—	—	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	0.05	mg/L	—	—	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	298	—	—	1.00	µS/cm	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	219	—	—	1.00	µS/cm	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.7	—	—	0.10	mg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.13	—	—	0.10	mg/L	—	J	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	10/09/09	WG	F	RE	—	Geninorg	EPA:300.0	Sulfate	—	8.13	—	—	0.10	mg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.07	—	—	0.10	mg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	10/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.68	—	—	0.10	mg/L	—	—	09-53	CAWA-08-15976	GELC
CDV-16-02656	3	04/01/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.7	—	—	0.10	mg/L	—	—	08-901	CAWA-08-11588	GELC
CDV-16-02656	3	01/20/12	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	4	—	—	1.10	mg/L	J	J	12-634	CAWA-12-1938	GELC
CDV-16-02656	3	04/01/08	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	5	—	—	1.10	mg/L	U	U	08-901	CAWA-08-11587	GELC
CDV-16-02656	3	07/27/06	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	2.85	—	—	2.85	mg/L	U	—	168302	GU06070CDV5601	GELC
CDV-16-02656	3	11/16/05	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.5	—	—	1.43	mg/L	J	—	150518	GU0510CDV5601	GELC
CDV-16-02656	3	11/16/05	WG	UF	RE	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.25	—	—	1.43	mg/L	J	—	150518	GU0510CDV5601	GELC
CDV-16-02656	3	08/29/05	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	0.582	—	—	0.58	mg/L	U	—	144411	GU0507CDV5601	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	154	—	—	3.40	mg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40	mg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	172	—	—	2.40	mg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	10/07/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40	mg/L	—	—	09-53	CAWA-08-15976	GELC
CDV-16-02656	3	04/01/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.40	mg/L	—	J	08-901	CAWA-08-11588	GELC
CDV-16-02656	3	01/20/12	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.0641	—	—	0.04	mg/L	J	J	12-634	CAWA-12-1938	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	0.03	mg/L	U	U	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.08	—	—	0.03	mg/L	J	J-	09-1326	CAWA-09-5549	GELC
CDV-16-02656	3	10/07/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.129	—	—	0.03	mg/L	—	—	09-53	CAWA-08-15975	GELC
CDV-16-02656	3	04/01/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.158	—	—	0.03	mg/L	—	—	08-901	CAWA-08-11587	GELC
CDV-16-02656	3	01/20/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.73	—	—	0.33	mg/L	—	—	12-634	CAWA-12-1938	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.82	—	—	0.33	mg/L	—	—	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.21	—	—	0.33	mg/L	—	—	09-1326	CAWA-09-5549	GELC
CDV-16-02656	3	10/07/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	3.78	—	—	0.33	mg/L	—	U	09-53	CAWA-08-15975	GELC
CDV-16-02656	3	04/01/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.15	—	—	0.33	mg/L	—	J-	08-901	CAWA-08-11587	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.13	—	—	0.01	SU	H	J-	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.78	—	—	0.01	SU	H	J-	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	165	—	—	68.00	µg/L	J	J	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	1240	—	—	68.00	µg/L	—	J	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	695	—	—	68.00	µg/L	—	—	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	273	—	—	68.00	µg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	813	—	—	68.00	µg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	2990	—	—	68.00	µg/L	—	J	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	996	—	—	68.00	µg/L	—	—	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1430	—	—	68.00	µg/L	—	—	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1660	—	—	68.00	µg/L	—	—	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	3870	—	—	1.00	µg/L	—	—	12-634	CAWA-12-1937	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-02656	3	04/08/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	2680	—	—	1.00	µg/L	—	—	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	4770	—	—	1.00	µg/L	—	—	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	3210	—	—	1.00	µg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	3180	—	—	1.00	µg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	2760	—	—	1.00	µg/L	—	—	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	4640	—	—	1.00	µg/L	—	—	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	3340	—	—	1.00	µg/L	—	—	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	3210	—	—	1.00	µg/L	—	—	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.19	—	—	1.00	µg/L	J	J	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	134	—	—	30.00	µg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	537	—	—	30.00	µg/L	—	—	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	321	—	—	30.00	µg/L	—	—	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	94.3	—	—	30.00	µg/L	J	J	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	419	—	—	25.00	µg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	1350	—	—	30.00	µg/L	—	—	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	457	—	—	30.00	µg/L	—	—	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	665	—	—	30.00	µg/L	—	—	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	906	—	—	25.00	µg/L	—	—	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.9	—	—	2.00	µg/L	J	J	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.43	—	—	2.00	µg/L	J	J	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.92	—	—	2.00	µg/L	J	J	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00	µg/L	U	U	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.19	—	—	2.00	µg/L	J	J	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.28	—	—	2.00	µg/L	J	J	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.68	—	—	2.00	µg/L	J	J	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.68	—	—	2.00	µg/L	J	J	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.42	—	—	2.00	µg/L	J	J	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	0.17	µg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.584	—	—	0.17	µg/L	—	U	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.402	—	—	0.10	µg/L	J	U	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.512	—	—	0.10	µg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.424	—	—	0.10	µg/L	J	J	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.523	—	—	0.17	µg/L	—	U	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.377	—	—	0.10	µg/L	J	U	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.532	—	—	0.10	µg/L	—	—	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.48	—	—	0.10	µg/L	J	J	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.785	—	—	0.50	µg/L	J	J	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	0.50	µg/L	J	J	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	0.50	µg/L	J	J	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.01	—	—	0.50	µg/L	J	J	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	0.50	µg/L	J	J	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	0.50	µg/L	J	J	11-1987	CAWA-11-5429	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.78	—	—	0.50	µg/L	J	J	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.44	—	—	0.50	µg/L	J	J	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.42	—	—	0.50	µg/L	J	J	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.86	—	—	1.50	µg/L	J	J	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.50	µg/L	U	U	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00	µg/L	U	U	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00	µg/L	U	U	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00	µg/L	U	U	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.50	µg/L	U	U	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00	µg/L	U	U	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00	µg/L	U	U	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00	µg/L	U	U	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	27.7	—	—	0.05	mg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.1	—	—	0.05	mg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	34.4	—	—	0.03	mg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	10/07/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.8	—	—	0.03	mg/L	N	J-	09-53	CAWA-08-15976	GELC
CDV-16-02656	3	04/01/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.5	—	—	0.03	mg/L	—	—	08-901	CAWA-08-11588	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00	µg/L	—	—	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	115	—	—	1.00	µg/L	—	—	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	180	—	—	1.00	µg/L	—	—	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	139	—	—	1.00	µg/L	—	—	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	137	—	—	1.00	µg/L	—	—	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	119	—	—	1.00	µg/L	—	—	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	177	—	—	1.00	µg/L	—	—	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00	µg/L	—	—	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	137	—	—	1.00	µg/L	—	—	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	01/20/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.125	—	—	0.07	µg/L	J	J	12-634	CAWA-12-1937	GELC
CDV-16-02656	3	04/08/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	0.07	µg/L	U	U	11-1987	CAWA-11-5430	GELC
CDV-16-02656	3	04/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	0.05	µg/L	U	U	10-2808	CAWA-10-15278	GELC
CDV-16-02656	3	10/09/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.056	—	—	0.05	µg/L	J	J	10-99	CAWA-09-13774	GELC
CDV-16-02656	3	03/30/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	0.05	µg/L	U	U	09-1327	CAWA-09-5548	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	0.07	µg/L	U	U	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.067	—	—	0.05	µg/L	J	U	10-2808	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.056	—	—	0.05	µg/L	J	J	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	03/30/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.06	—	—	0.05	µg/L	J	J	09-1327	CAWA-09-5549	GELC
CDV-16-02656	3	10/29/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	2.12	0.29	2.16	—	pCi/L	U	U	196688	GF07100CDV5601	GELC
CDV-16-02656	3	01/23/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.59	0.13	1.17	—	pCi/L	U	U	179596	GF07010CDV5601	GELC
CDV-16-02656	3	01/20/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.62	0.26	2.00	—	pCi/L	U	U	12-634	CAWA-12-1938	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.54	0.22	1.90	—	pCi/L	U	U	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	10/29/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.56	0.51	3.31	—	pCi/L	—	J	196688	GU07100CDV5601	GELC
CDV-16-02656	3	10/29/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	6.53	0.61	3.55	—	pCi/L	—	J	196688	GU07100CDV5602	GELC
CDV-16-02656	3	01/23/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.84	0.20	1.43	—	pCi/L	—	J	179596	GU07010CDV5601	GELC
CDV-16-02656	3	10/29/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.23	0.29	2.69	—	pCi/L	U	U	196688	GF07100CDV5601	GELC
CDV-16-02656	3	01/23/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.65	0.36	3.08	—	pCi/L	—	J	179596	GF07010CDV5601	GELC
CDV-16-02656	3	01/20/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.76	0.33	2.20	—	pCi/L	—	—	12-634	CAWA-12-1938	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.11	0.40	3.10	—	pCi/L	—	—	10-99	CAWA-09-13776	GELC
CDV-16-02656	3	10/29/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6.62	0.46	3.55	—	pCi/L	—	J	196688	GU07100CDV5601	GELC
CDV-16-02656	3	01/23/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.88	0.36	3.13	—	pCi/L	—	J	179596	GU07010CDV5601	GELC
CDV-16-02656	3	01/20/12	WG	UF	CS	—	VOA	SW-846:8260B	Butanone[2-]	—	2.47	—	—	1.30	µg/L	J	J	12-634	CAWA-12-1938	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	VOA	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30	µg/L	U	U	11-1987	CAWA-11-5429	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-02656	3	09/17/10	WG	UF	CS	—	VOA	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30	µg/L	U	UJ	10-4661	CAWA-10-25732	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	VOA	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30	µg/L	U	UJ	10-2807	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	VOA	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30	µg/L	U	U	10-98	CAWA-09-13776	GELC
CDV-16-02656	3	01/20/12	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	—	0.3	—	—	0.30	µg/L	J	J	12-634	CAWA-12-1938	GELC
CDV-16-02656	3	04/08/11	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	<	1	—	—	0.30	µg/L	U	U	11-1987	CAWA-11-5429	GELC
CDV-16-02656	3	09/17/10	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	<	1	—	—	0.30	µg/L	U	U	10-4661	CAWA-10-25732	GELC
CDV-16-02656	3	04/16/10	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	<	1	—	—	0.30	µg/L	U	UJ	10-2807	CAWA-10-15277	GELC
CDV-16-02656	3	10/09/09	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	<	1	—	—	0.30	µg/L	U	U	10-98	CAWA-09-13776	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	145	—	—	0.73	mg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	209	—	—	0.73	mg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.9	—	—	0.73	mg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	10/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	91.3	—	—	0.73	mg/L	—	—	10-76	CAWA-09-13796	GELC
CDV-16-02659	1.7	03/26/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.5	—	—	0.73	mg/L	—	—	09-1312	CAWA-09-5555	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.041	—	—	0.02	mg/L	J	J	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0687	—	—	0.02	mg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.051	—	—	0.02	mg/L	—	U	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	10/07/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.02	—	—	0.02	mg/L	J	U	10-76	CAWA-09-13796	GELC
CDV-16-02659	1.7	03/26/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.02	mg/L	U	U	09-1312	CAWA-09-5555	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.192	—	—	0.07	mg/L	J	J	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.229	—	—	0.07	mg/L	—	J+	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	10/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	10-76	CAWA-09-13796	GELC
CDV-16-02659	1.7	03/26/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.071	—	—	0.07	mg/L	J	J	09-1312	CAWA-09-5555	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	37.6	—	—	0.05	mg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	53.3	—	—	0.05	mg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.5	—	—	0.05	mg/L	—	—	11-1955	CAWA-11-5438	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.2	—	—	0.05	mg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	0.05	mg/L	—	—	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	52.3	—	—	0.05	mg/L	—	—	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.6	—	—	0.05	mg/L	—	—	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	0.05	mg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	0.05	mg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	21.7	—	—	0.33	mg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	21.6	—	—	0.13	mg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	18.9	—	—	0.07	mg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	10/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.1	—	—	0.13	mg/L	—	—	10-76	CAWA-09-13796	GELC
CDV-16-02659	1.7	03/26/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	21.8	—	—	0.13	mg/L	—	—	09-1312	CAWA-09-5555	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.208	—	—	0.03	mg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.188	—	—	0.03	mg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.172	—	—	0.03	mg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	10/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.285	—	—	0.03	mg/L	—	—	10-76	CAWA-09-13796	GELC
CDV-16-02659	1.7	03/26/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.18	—	—	0.03	mg/L	—	—	09-1312	CAWA-09-5555	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	136	—	—	0.45	mg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	192	—	—	0.45	mg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	71.6	—	—	0.45	mg/L	—	—	11-1955	CAWA-11-5438	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.4	—	—	0.35	mg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.2	—	—	0.35	mg/L	—	—	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	189	—	—	0.45	mg/L	—	—	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	68.4	—	—	0.45	mg/L	—	—	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.2	—	—	0.35	mg/L	—	—	10-4510	CAWA-10-25738	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.4	—	—	0.35	mg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.3	—	—	0.11	mg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.4	—	—	0.11	mg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.59	—	—	0.11	mg/L	—	—	11-1955	CAWA-11-5438	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.41	—	—	0.09	mg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.97	—	—	0.09	mg/L	—	—	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.1	—	—	0.11	mg/L	—	—	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.32	—	—	0.11	mg/L	—	—	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.26	—	—	0.09	mg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.03	—	—	0.09	mg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0289	—	—	0.01	mg/L	J	J+	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.131	—	—	0.05	mg/L	J	J	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	0.05	mg/L	U	U	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	10/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0665	—	—	0.05	mg/L	J	U	10-76	CAWA-09-13796	GELC
CDV-16-02659	1.7	03/26/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0535	—	—	0.05	mg/L	J	J	09-1312	CAWA-09-5555	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.65	—	—	0.05	mg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.25	—	—	0.05	mg/L	E	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.34	—	—	0.05	mg/L	—	—	11-1955	CAWA-11-5438	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.21	—	—	0.05	mg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.3	—	—	0.05	mg/L	—	—	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.02	—	—	0.05	mg/L	E	—	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.27	—	—	0.05	mg/L	—	—	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.1	—	—	0.05	mg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.34	—	—	0.05	mg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.4	—	—	0.10	mg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	24.8	—	—	0.10	mg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	0.10	mg/L	—	—	11-1955	CAWA-11-5438	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	0.10	mg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	20.3	—	—	0.10	mg/L	—	—	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	24.1	—	—	0.10	mg/L	—	—	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	0.10	mg/L	—	—	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	0.10	mg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.8	—	—	0.10	mg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	366	—	—	1.00	µS/cm	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	474	—	—	1.00	µS/cm	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	281	—	—	1.00	µS/cm	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.04	—	—	0.10	mg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.32	—	—	0.10	mg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.45	—	—	0.10	mg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	10/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.79	—	—	0.10	mg/L	—	—	10-76	CAWA-09-13796	GELC
CDV-16-02659	1.7	03/26/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.43	—	—	0.10	mg/L	—	—	09-1312	CAWA-09-5555	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	219	—	—	3.40	mg/L	—	J	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	291	—	—	3.40	mg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	191	—	—	2.40	mg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	10/07/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40	mg/L	—	—	10-76	CAWA-09-13796	GELC
CDV-16-02659	1.7	03/26/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40	mg/L	—	—	09-1312	CAWA-09-5555	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.0786	—	—	0.04	mg/L	J	J	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	0.04	mg/L	U	U	11-3632	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.158	—	—	0.03	mg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.109	—	—	0.03	mg/L	—	J-	10-76	CAWA-09-13798	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-02659	1.7	03/26/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	0.03	mg/L	U	UJ	09-1311	CAWA-09-5554	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.75	—	—	0.33	mg/L	—	—	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.6	—	—	0.33	mg/L	—	—	11-3632	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.65	—	—	0.33	mg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.05	—	—	0.33	mg/L	—	—	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	03/26/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.73	—	—	0.33	mg/L	—	—	09-1311	CAWA-09-5554	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.78	—	—	0.01	SU	H	J-	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.89	—	—	0.01	SU	H	J-	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.77	—	—	0.01	SU	H	J-	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	2.43	—	—	0.10	µg/L	—	—	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	3.8	—	—	0.10	µg/L	—	—	11-3632	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	2.92	—	—	0.10	µg/L	—	—	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	DL	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	3.8	—	—	0.10	µg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	1.37	—	—	0.10	µg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	2.09	—	—	0.10	µg/L	—	—	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	3.08	—	—	0.10	µg/L	—	—	11-3632	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	2.04	—	—	0.10	µg/L	—	—	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	DL	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	2.74	—	—	0.10	µg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	1.16	—	—	0.10	µg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	6.72	—	—	0.10	µg/L	—	—	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	DL	—	HEXP	SW-846:8321A	HMX	—	17	—	—	0.26	µg/L	—	—	11-3632	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	9.38	—	—	0.10	µg/L	—	—	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	20.9	—	—	0.52	µg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	DL	—	HEXP	SW-846:8321A	HMX	—	25.6	—	—	0.52	µg/L	—	J	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	2.63	—	—	0.10	µg/L	—	—	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	10.5	—	—	0.10	µg/L	—	—	11-3632	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	7.33	—	—	0.10	µg/L	—	—	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	12.7	—	—	0.10	µg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	18	—	—	0.52	µg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	8980	—	—	1.00	µg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13600	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	4940	—	—	1.00	µg/L	—	—	11-1955	CAWA-11-5438	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6740	—	—	1.00	µg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	5400	—	—	1.00	µg/L	—	—	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13400	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	4710	—	—	1.00	µg/L	—	—	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	6550	—	—	1.00	µg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	5520	—	—	1.00	µg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	35.3	—	—	15.00	µg/L	J	J	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	61.3	—	—	15.00	µg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	31.8	—	—	15.00	µg/L	J	J	11-1955	CAWA-11-5438	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	55.7	—	—	15.00	µg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	44.1	—	—	15.00	µg/L	J	J	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	62.2	—	—	15.00	µg/L	—	—	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	30.9	—	—	15.00	µg/L	J	J	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	53.3	—	—	15.00	µg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	50.1	—	—	15.00	µg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	5.38	—	—	1.00	µg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	7.71	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	11-1955	CAWA-11-5438	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	8.3	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	4.42	—	—	3.00	µg/L	J	J	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	11-1955	CAWA-11-5438	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.86	—	—	3.00	µg/L	J	J	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	0.17	µg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.74	—	—	0.17	µg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.768	—	—	0.17	µg/L	—	U	11-1955	CAWA-11-5438	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.742	—	—	0.10	µg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.663	—	—	0.10	µg/L	—	—	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.684	—	—	0.17	µg/L	—	—	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.816	—	—	0.17	µg/L	—	U	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.71	—	—	0.10	µg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.655	—	—	0.10	µg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.992	—	—	0.50	µg/L	J	J	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.71	—	—	0.50	µg/L	J	J	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.785	—	—	0.50	µg/L	J	J	11-1955	CAWA-11-5438	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50	µg/L	U	U	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.965	—	—	0.50	µg/L	J	J	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.72	—	—	0.50	µg/L	J	J	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.808	—	—	0.50	µg/L	J	J	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50	µg/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	0.50	µg/L	J	J	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	30.3	—	—	0.05	mg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.5	—	—	0.05	mg/L	N	J+	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.6	—	—	0.05	mg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	10/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.5	—	—	0.05	mg/L	—	—	10-76	CAWA-09-13796	GELC
CDV-16-02659	1.7	03/26/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	34.4	—	—	0.03	mg/L	—	—	09-1312	CAWA-09-5555	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	298	—	—	1.00	µg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	435	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	157	—	—	1.00	µg/L	—	—	11-1955	CAWA-11-5438	GELC
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	202	—	—	1.00	µg/L	—	—	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	174	—	—	1.00	µg/L	—	—	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	427	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	151	—	—	1.00	µg/L	—	—	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	194	—	—	1.00	µg/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	173	—	—	1.00	µg/L	—	—	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	01/19/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.434	—	—	0.07	µg/L	—	—	12-621	CAWA-12-1940	GELC
CDV-16-02659	1.7	09/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.551	—	—	0.07	µg/L	—	—	11-3633	CAWA-11-27071	GELC
CDV-16-02659	1.7	04/06/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	0.07	µg/L	U	U	11-1955	CAWA-11-5438	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-02659	1.7	09/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	0.05	µg/L	U	U	10-4510	CAWA-10-25736	GELC
CDV-16-02659	1.7	04/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	0.05	µg/L	U	U	10-2730	CAWA-10-15284	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.543	—	—	0.07	µg/L	—	—	11-3633	CAWA-11-27072	GELC
CDV-16-02659	1.7	04/06/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	0.07	µg/L	U	U	11-1955	CAWA-11-5437	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	0.05	µg/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	04/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	0.05	µg/L	U	U	10-2730	CAWA-10-15282	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0115	0.00	0.04	—	pCi/L	U	U	09-62	CAWA-08-15986	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00784	0.00	0.04	—	pCi/L	U	U	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00177	0.00	0.03	—	pCi/L	U	U	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0161	0.00	0.04	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0228	0.00	0.05	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000892	0.00	0.04	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.298	0.43	4.50	—	pCi/L	U	U	09-62	CAWA-08-15986	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.66	0.70	5.90	—	pCi/L	U	U	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.9	0.53	5.60	—	pCi/L	U	U	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.549	0.50	5.20	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.65	0.50	4.70	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.964	0.40	4.00	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.18	0.43	4.80	—	pCi/L	U	U	09-62	CAWA-08-15986	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.919	0.53	5.70	—	pCi/L	U	U	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.433	0.50	5.20	—	pCi/L	U	U	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.44	0.50	4.30	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.9	0.57	5.20	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.659	0.50	4.80	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	10/30/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.476	0.16	1.76	—	pCi/L	U	U	196781	GF07100CDV5901	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.39	0.24	2.00	—	pCi/L	U	U	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.1	0.37	2.10	—	pCi/L	—	U	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.77	0.37	2.60	—	pCi/L	—	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0574	0.25	3.00	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/30/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.44	0.27	2.04	—	pCi/L	—	J	196781	GU07100CDV5902	GELC
CDV-16-02659	1.7	10/30/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.643	0.21	2.28	—	pCi/L	U	U	196781	GU07100CDV5901	GELC
CDV-16-02659	1.7	10/30/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.99	0.34	2.50	—	pCi/L	—	J	196781	GF07100CDV5901	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6.29	0.37	2.00	—	pCi/L	—	—	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	8.07	0.47	2.60	—	pCi/L	—	—	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.95	0.37	2.40	—	pCi/L	—	—	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.46	0.37	3.20	—	pCi/L	—	—	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/30/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	8.38	0.58	4.39	—	pCi/L	—	J	196781	GU07100CDV5901	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.91	3.00	31.00	—	pCi/L	U	U	09-62	CAWA-08-15986	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.86	0.93	9.80	—	pCi/L	U	U	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.39	1.17	13.00	—	pCi/L	U	U	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.49	0.87	7.70	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0403	4.00	38.00	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.79	3.30	33.00	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00205	0.00	0.03	—	pCi/L	U	U	09-62	CAWA-08-15986	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00233	0.00	0.04	—	pCi/L	U	U	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00871	0.00	0.04	—	pCi/L	U	U	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00198	0.00	0.02	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00387	0.00	0.03	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00383	0.00	0.03	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00205	0.00	0.04	—	pCi/L	U	U	09-62	CAWA-08-15986	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00233	0.00	0.03	—	pCi/L	U	U	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00218	0.00	0.04	—	pCi/L	U	U	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-2E-10	0.00	0.03	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00773	0.00	0.03	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00383	0.00	0.03	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-43	6.33	53.00	—	pCi/L	U	U	09-62	CAWA-08-15986	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.5	6.67	80.00	—	pCi/L	U	U	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6.19	6.67	66.00	—	pCi/L	U	U	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.7	5.67	55.00	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.72	6.00	63.00	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	40.5	5.67	58.00	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.05	0.09	0.48	—	pCi/L	—	—	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.485	0.07	0.65	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	03/31/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.85	0.09	0.72	—	pCi/L	—	U	08-888	CAWA-08-11641	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.6	0.11	0.59	—	pCi/L	—	—	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.791	0.07	0.43	—	pCi/L	—	—	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	03/31/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.609	0.06	0.41	—	pCi/L	—	—	08-888	CAWA-08-11641	GELC
CDV-16-02659	1.7	10/30/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.44	0.09	0.50	—	pCi/L	—	J	196781	GU07100CDV5902	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.455	0.40	4.00	—	pCi/L	U	U	09-62	CAWA-08-15986	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.64	0.50	6.60	—	pCi/L	U	U	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.01	0.53	4.90	—	pCi/L	U	U	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.73	0.50	4.50	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.28	0.53	4.80	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.5	0.37	4.30	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.169	0.04	0.43	—	pCi/L	U	U	09-62	CAWA-08-15986	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.231	0.04	0.48	—	pCi/L	U	U	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0759	0.05	0.49	—	pCi/L	U	U	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.295	0.05	0.47	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.299	0.04	0.43	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0112	0.04	0.47	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0695	0.00	0.06	—	pCi/L	—	—	09-62	CAWA-08-15986	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.152	0.01	0.05	—	pCi/L	—	—	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.198	0.01	0.07	—	pCi/L	—	—	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0182	0.00	0.07	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0219	0.00	0.08	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0433	0.00	0.06	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.00	0.03	—	pCi/L	U	U	09-62	CAWA-08-15986	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00414	0.00	0.05	—	pCi/L	U	U	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00456	0.00	0.05	—	pCi/L	U	U	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.009	0.00	0.03	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0084	0.00	0.04	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00412	0.00	0.03	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-02659	1.7	10/08/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0191	0.00	0.03	—	pCi/L	U	U	09-62	CAWA-08-15986	GELC
CDV-16-02659	1.7	01/19/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.141	0.01	0.04	—	pCi/L	—	—	12-621	CAWA-12-1939	GELC
CDV-16-02659	1.7	09/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.151	0.01	0.06	—	pCi/L	—	—	11-3634	CAWA-11-27072	GELC
CDV-16-02659	1.7	09/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0267	0.00	0.03	—	pCi/L	U	U	10-4510	CAWA-10-25738	GELC
CDV-16-02659	1.7	10/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0113	0.00	0.05	—	pCi/L	U	U	10-76	CAWA-09-13798	GELC
CDV-16-02659	1.7	10/08/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0316	0.00	0.03	—	pCi/L	U	U	09-62	CAWA-08-15985	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	97.8	—	—	0.73	mg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0833	—	—	0.02	mg/L	—	—	12-652	CAWA-12-1944	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.131	—	—	0.07	mg/L	J	J	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	—	0.33	—	—	0.03	mg/L	—	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	—	0.15	—	—	0.03	mg/L	J	J	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	<	0.12	—	—	0.03	mg/L	J	U	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.7	—	—	0.05	mg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Geninorg	SW-846:6020	Calcium	—	51.8	—	—	0.05	mg/L	—	—	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Geninorg	SW-846:6020	Calcium	—	30.5	—	—	0.05	mg/L	E	—	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Geninorg	SW-846:6020	Calcium	—	21.2	—	—	0.05	mg/L	—	—	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Geninorg	SW-846:6020	Calcium	—	49.6	—	—	0.05	mg/L	—	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Geninorg	SW-846:6020	Calcium	—	28	—	—	0.05	mg/L	E	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6020	Calcium	—	22.3	—	—	0.05	mg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	32.2	—	—	0.33	mg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	28.1	—	—	0.40	mg/L	—	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	27.9	—	—	0.40	mg/L	—	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	29.4	—	—	0.40	mg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.254	—	—	0.03	mg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.17	—	—	0.01	mg/L	—	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.17	—	—	0.01	mg/L	—	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.19	—	—	0.01	mg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	103	—	—	0.45	mg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.24	—	—	0.11	mg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Geninorg	SW-846:6020	Magnesium	—	15	—	—	0.00	mg/L	—	—	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Geninorg	SW-846:6020	Magnesium	—	8.37	—	—	0.00	mg/L	E	—	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Geninorg	SW-846:6020	Magnesium	—	6.18	—	—	0.00	mg/L	—	—	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Geninorg	SW-846:6020	Magnesium	—	14.1	—	—	0.00	mg/L	—	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Geninorg	SW-846:6020	Magnesium	—	8.3	—	—	0.00	mg/L	E	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6020	Magnesium	—	6.28	—	—	0.00	mg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.225	—	—	0.05	mg/L	J	J	12-652	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.184	—	—	0.05	µg/L	J	J	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.98	—	—	0.05	mg/L	—	J	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Geninorg	SW-846:6020	Potassium	—	5.53	—	—	0.01	mg/L	—	—	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Geninorg	SW-846:6020	Potassium	—	3.71	—	—	0.01	mg/L	E	—	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Geninorg	SW-846:6020	Potassium	—	3.05	—	—	0.01	mg/L	—	—	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Geninorg	SW-846:6020	Potassium	—	5.35	—	—	0.01	mg/L	—	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Geninorg	SW-846:6020	Potassium	—	3.72	—	—	0.01	mg/L	E	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6020	Potassium	—	3.22	—	—	0.01	mg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22	—	—	0.10	mg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Geninorg	SW-846:6020	Sodium	—	32.4	—	—	0.01	mg/L	—	—	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Geninorg	SW-846:6020	Sodium	—	24.2	—	—	0.01	mg/L	E	—	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Geninorg	SW-846:6020	Sodium	—	22.6	—	—	0.01	mg/L	—	—	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Geninorg	SW-846:6020	Sodium	—	29.7	—	—	0.01	mg/L	—	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Geninorg	SW-846:6020	Sodium	—	23.8	—	—	0.01	mg/L	E	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6020	Sodium	—	22.6	—	—	0.01	mg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	317	—	—	1.00	µS/cm	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.04	—	—	0.10	mg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.2	—	—	0.05	mg/L	—	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.9	—	—	0.05	mg/L	—	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.9	—	—	0.05	mg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	214	—	—	3.40	mg/L	—	J	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.249	—	—	0.04	mg/L	—	—	12-652	CAWA-12-1942	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.62	—	—	0.33	mg/L	—	—	12-652	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0472	—	—	0.02	mg/L	J	J	12-652	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.21	—	—	0.01	SU	H	J-	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	0.195	—	—	0.09	µg/L	J	J	12-652	CAWA-12-1942	GELC
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	<	0.95	—	—	0.05	µg/L	—	R	10-3530	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	1.3	—	—	0.05	µg/L	—	—	10-3300	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	1.5	—	—	0.05	µg/L	—	—	10-3086	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.138	—	—	0.09	µg/L	J	J	12-652	CAWA-12-1942	GELC
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	<	0.58	—	—	0.05	µg/L	—	U	10-3530	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.84	—	—	0.05	µg/L	—	—	10-3300	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	1.2	—	—	0.05	µg/L	—	—	10-3086	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	UF	DL	—	HEXP	SW-846:8321A	HMX	—	28.5	—	—	0.44	µg/L	—	—	12-652	CAWA-12-1942	GELC
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	1.6	—	—	0.03	µg/L	—	J+	10-3530	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	DL	—	HEXP	SW-846:8321A	HMX	—	11	—	—	0.13	µg/L	D	—	10-3300	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	DL	—	HEXP	SW-846:8321A	HMX	—	19	—	—	0.26	µg/L	D	—	10-3086	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.4	—	—	0.09	µg/L	JP	J	12-653	CAWA-12-1942	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	<	1.3	—	—	0.09	µg/L	P	U	10-3529	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	2.2	—	—	0.09	µg/L	P	—	10-3300	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	2	—	—	0.09	µg/L	—	—	10-3086	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	5.11	—	—	0.09	µg/L	—	—	12-652	CAWA-12-1942	GELC
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	1.4	—	—	0.06	µg/L	—	J+	10-3530	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	6.4	—	—	0.06	µg/L	—	—	10-3300	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	15	—	—	0.59	µg/L	D	—	10-3086	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.11	—	—	0.08	µg/L	JP	J	12-653	CAWA-12-1942	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	8.2	—	—	0.08	µg/L	—	—	10-3529	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	3.1	—	—	0.08	µg/L	—	—	10-3300	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	<	0.5	—	—	0.08	µg/L	U	U	10-3086	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	74.7	—	—	68.00	µg/L	J	J	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Metals	SW-846:6020	Aluminum	<	30	—	—	9.90	µg/L	U	U	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Metals	SW-846:6020	Aluminum	—	25.2	—	—	9.90	µg/L	EJ	J	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Aluminum	—	366	—	—	9.90	µg/L	—	—	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Metals	SW-846:6020	Aluminum	—	25	—	—	9.90	µg/L	J	J	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Metals	SW-846:6020	Aluminum	—	79.7	—	—	9.90	µg/L	E	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Aluminum	—	777	—	—	9.90	µg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.55	—	—	1.70	µg/L	J	J	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	4	—	—	1.60	µg/L	J	J	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.4	—	—	1.60	µg/L	J	J	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.2	—	—	1.60	µg/L	J	J	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.5	—	—	1.60	µg/L	J	J	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.4	—	—	1.60	µg/L	J	J	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.5	—	—	1.60	µg/L	J	J	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13700	—	—	1.00	µg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Metals	SW-846:6020	Barium	—	34000	—	—	5.20	µg/L	N	—	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Metals	SW-846:6020	Barium	—	18200	—	—	5.20	µg/L	NE	—	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Barium	—	11000	—	—	2.60	µg/L	—	—	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Metals	SW-846:6020	Barium	—	28600	—	—	5.20	µg/L	N	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Metals	SW-846:6020	Barium	—	17900	—	—	5.20	µg/L	NE	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Barium	—	11000	—	—	2.60	µg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	41	—	—	15.00	µg/L	J	J	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	6.44	—	—	1.00	µg/L	—	—	12-651	CAWA-12-1944	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Metals	SW-846:6020	Cobalt	—	6.1	—	—	0.24	µg/L	—	—	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Metals	SW-846:6020	Cobalt	—	5.5	—	—	0.24	µg/L	E	—	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Cobalt	—	3.3	—	—	0.24	µg/L	—	—	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Metals	SW-846:6020	Cobalt	—	5.1	—	—	0.24	µg/L	—	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Metals	SW-846:6020	Cobalt	—	3.1	—	—	0.24	µg/L	E	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Cobalt	—	2.7	—	—	0.24	µg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	611	—	—	30.00	µg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Metals	SW-846:6020	Iron	—	7070	—	—	20.40	µg/L	—	—	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Metals	SW-846:6020	Iron	—	3610	—	—	20.40	µg/L	E	—	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Iron	—	1990	—	—	20.40	µg/L	—	—	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Metals	SW-846:6020	Iron	—	5830	—	—	20.40	µg/L	—	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Metals	SW-846:6020	Iron	—	3500	—	—	20.40	µg/L	E	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Iron	—	2550	—	—	20.40	µg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	463	—	—	2.00	µg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Metals	SW-846:6020	Manganese	—	3080	—	—	0.60	µg/L	—	—	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Metals	SW-846:6020	Manganese	—	1260	—	—	0.60	µg/L	E	—	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Manganese	—	734	—	—	0.60	µg/L	—	—	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Metals	SW-846:6020	Manganese	—	2690	—	—	0.60	µg/L	—	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Metals	SW-846:6020	Manganese	—	1200	—	—	0.60	µg/L	E	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Manganese	—	826	—	—	0.60	µg/L	—	—	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.95	—	—	0.17	µg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	7.6	—	—	0.50	µg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.7	—	—	0.49	µg/L	J	J	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	0.49	µg/L	J	J	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.4	—	—	0.49	µg/L	J	J	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.5	—	—	0.49	µg/L	J	J	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	0.49	µg/L	J	J	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.4	—	—	0.49	µg/L	J	J	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	33.4	—	—	0.05	mg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	335	—	—	1.00	µg/L	—	—	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.35	—	—	0.07	µg/L	—	J	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.96	—	—	1.00	µg/L	J	J	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Metals	SW-846:6020	Vanadium	<	10	—	—	3.00	µg/L	U	UJ	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Metals	SW-846:6020	Vanadium	<	10	—	—	3.00	µg/L	U	U	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Vanadium	<	10	—	—	3.00	µg/L	U	U	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Metals	SW-846:6020	Vanadium	<	10	—	—	3.00	µg/L	U	UJ	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Metals	SW-846:6020	Vanadium	<	10	—	—	3.00	µg/L	U	U	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Vanadium	—	3.6	—	—	3.00	µg/L	J	J	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.81	—	—	3.30	µg/L	J	J	12-651	CAWA-12-1944	GELC
CDV-16-611923	3.2	06/30/10	WG	F	CS	—	Metals	SW-846:6020	Zinc	—	30.6	—	—	3.70	µg/L	E	—	10-3531	GW16-10-22559	STSL
CDV-16-611923	3.2	06/02/10	WG	F	CS	—	Metals	SW-846:6020	Zinc	—	18.9	—	—	3.70	µg/L	E	—	10-3301	GW16-10-18589	STSL
CDV-16-611923	3.2	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Zinc	<	17.1	—	—	3.70	µg/L	*	U	10-3085	GW16-10-16947	STSL
CDV-16-611923	3.2	06/30/10	WG	UF	CS	—	Metals	SW-846:6020	Zinc	—	29.6	—	—	3.70	µg/L	E	—	10-3531	GW16-10-22553	STSL
CDV-16-611923	3.2	06/02/10	WG	UF	CS	—	Metals	SW-846:6020	Zinc	—	15.9	—	—	3.70	µg/L	E	—	10-3301	GW16-10-18583	STSL
CDV-16-611923	3.2	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Zinc	<	17	—	—	3.70	µg/L	*	U	10-3085	GW16-10-16941	STSL
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0105	0.00	0.04	—	pCi/L	U	U	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.499	0.40	4.60	—	pCi/L	U	U	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.393	0.47	5.30	—	pCi/L	U	U	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.7	0.33	2.20	—	pCi/L	—	J-	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.45	0.43	2.90	—	pCi/L	—	—	12-651	CAWA-12-1942	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.41	0.83	9.20	—	pCi/L	U	U	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00236	0.00	0.04	—	pCi/L	U	U	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00708	0.00	0.03	—	pCi/L	U	U	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.3	5.67	66.00	—	pCi/L	U	U	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.01	0.09	0.51	—	pCi/L	—	—	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	2.43	0.14	0.52	—	pCi/L	—	—	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.716	0.37	3.90	—	pCi/L	U	U	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.152	0.05	0.49	—	pCi/L	U	U	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.564	0.02	0.05	—	pCi/L	—	—	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0309	0.00	0.04	—	pCi/L	U	U	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.372	0.01	0.04	—	pCi/L	—	—	12-651	CAWA-12-1942	GELC
CDV-16-611923	3.2	01/25/12	WG	UF	CS	EQB	VOA	SW-846:8260B	Diethyl Ether	—	0.65	—	—	0.30	µg/L	J	J	12-652	CAWA-12-2182	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.8	—	—	0.73	mg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.1	—	—	0.73	mg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.2	—	—	0.73	mg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.4	—	—	0.73	mg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.6	—	—	0.73	mg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0167	—	—	0.02	mg/L	J	J	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.02	mg/L	U	U	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.02	—	—	0.02	mg/L	J	U	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.044	—	—	0.02	mg/L	J	U	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.042	—	—	0.02	mg/L	J	J	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.42	—	—	0.05	mg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.73	—	—	0.05	mg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.28	—	—	0.05	mg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.27	—	—	0.05	mg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.37	—	—	0.05	mg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.64	—	—	0.05	mg/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.6	—	—	0.05	mg/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.17	—	—	0.05	mg/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.14	—	—	0.05	mg/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.23	—	—	0.07	mg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.24	—	—	0.07	mg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.22	—	—	0.07	mg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.25	—	—	0.07	mg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.45	—	—	0.07	mg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	0.03	mg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.139	—	—	0.03	mg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.166	—	—	0.03	mg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.148	—	—	0.03	mg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.144	—	—	0.03	mg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.7	—	—	0.45	mg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	34.2	—	—	0.45	mg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.2	—	—	0.45	mg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.6	—	—	0.35	mg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	33	—	—	0.35	mg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	34	—	—	0.45	mg/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	33.4	—	—	0.45	mg/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.4	—	—	0.35	mg/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.4	—	—	0.35	mg/L	—	—	10-4679	CAWA-10-25902	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.23	—	—	0.11	mg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.4	—	—	0.11	mg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.18	—	—	0.11	mg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.31	—	—	0.09	mg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.33	—	—	0.09	mg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.41	—	—	0.11	mg/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.28	—	—	0.11	mg/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.3	—	—	0.09	mg/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.32	—	—	0.09	mg/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0274	—	—	0.01	mg/L	J	J+	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	0.05	mg/L	U	U	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.163	—	—	0.05	mg/L	J	J+	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.12	—	—	0.05	mg/L	J	J	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.121	—	—	0.05	mg/L	J	J	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.125	—	—	0.05	µg/L	J	J	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.257	—	—	0.05	µg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.13	—	—	0.05	µg/L	J	J	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.124	—	—	0.05	µg/L	J	J	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.127	—	—	0.05	µg/L	J	J+	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.491	—	—	0.05	mg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.736	—	—	0.05	mg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.6	—	—	0.05	mg/L	—	J	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.57	—	—	0.05	mg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.58	—	—	0.05	mg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.735	—	—	0.05	mg/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.614	—	—	0.05	mg/L	—	J	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.569	—	—	0.05	mg/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.569	—	—	0.05	mg/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	0.10	mg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	0.10	mg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	0.10	mg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.3	—	—	0.10	mg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.1	—	—	0.10	mg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	0.10	mg/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	0.10	mg/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	0.10	mg/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	0.10	mg/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	117	—	—	1.00	µS/cm	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	112	—	—	1.00	µS/cm	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	116	—	—	1.00	µS/cm	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	119	—	—	1.00	µS/cm	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	126	—	—	1.00	µS/cm	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.94	—	—	0.10	mg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.12	—	—	0.10	mg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.56	—	—	0.10	mg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.54	—	—	0.10	mg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.13	—	—	0.10	mg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	3.40	mg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40	mg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	112	—	—	2.40	mg/L	—	—	11-1872	CAWA-11-5323	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	131	—	—	2.40	mg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.40	mg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.01	—	—	0.33	mg/L	—	—	12-644	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.791	—	—	0.33	mg/L	J	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.907	—	—	0.33	mg/L	J	J	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1.01	—	—	0.33	mg/L	—	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.87	—	—	0.33	mg/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.41	—	—	0.01	SU	H	J-	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.48	—	—	0.01	SU	H	J-	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.38	—	—	0.01	SU	H	J-	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.49	—	—	0.01	SU	H	J-	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.15	—	—	0.01	SU	H	J-	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.8	—	—	1.70	µg/L	J	J	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5.9	—	—	1.70	µg/L	—	U	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50	µg/L	U	U	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50	µg/L	U	U	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	2.61	—	—	1.70	µg/L	J	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50	µg/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50	µg/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	9.27	—	—	1.00	µg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	10.5	—	—	1.00	µg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	10.8	—	—	1.00	µg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.4	—	—	1.00	µg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.2	—	—	1.00	µg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11	—	—	1.00	µg/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.9	—	—	1.00	µg/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.8	—	—	1.00	µg/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.9	—	—	1.00	µg/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.93	—	—	2.00	µg/L	J	J	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.77	—	—	2.00	µg/L	J	J	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	8.55	—	—	2.00	µg/L	J	J	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	15.1	—	—	2.00	µg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	22.8	—	—	2.00	µg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.82	—	—	2.00	µg/L	J	J	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.3	—	—	2.00	µg/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	15.9	—	—	2.00	µg/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	23.2	—	—	2.00	µg/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	0.17	µg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.37	—	—	0.17	µg/L	—	J	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.33	—	—	0.17	µg/L	—	J	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.69	—	—	0.10	µg/L	—	U	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.94	—	—	0.10	µg/L	—	J	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.49	—	—	0.17	µg/L	—	J	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.43	—	—	0.17	µg/L	—	J	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.7	—	—	0.10	µg/L	—	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.99	—	—	0.10	µg/L	—	J	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.41	—	—	0.50	µg/L	J	J	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.48	—	—	0.50	µg/L	J	J	11-2700	CAWA-11-14061	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.71	—	—	0.50	µg/L	J	J	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.34	—	—	0.50	µg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.33	—	—	0.50	µg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.16	—	—	0.50	µg/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.19	—	—	0.50	µg/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.02	—	—	0.50	µg/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.8	—	—	0.50	µg/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.5	—	—	0.05	mg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.8	—	—	0.05	mg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.5	—	—	0.05	mg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.3	—	—	0.05	mg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.6	—	—	0.05	mg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.1	—	—	1.00	µg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.2	—	—	1.00	µg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.1	—	—	1.00	µg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.5	—	—	1.00	µg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.7	—	—	1.00	µg/L	—	—	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49	—	—	1.00	µg/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.4	—	—	1.00	µg/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.2	—	—	1.00	µg/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.5	—	—	1.00	µg/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.415	—	—	0.07	µg/L	—	—	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.506	—	—	0.07	µg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.517	—	—	0.07	µg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.623	—	—	0.05	µg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	0.05	µg/L	U	U	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.587	—	—	0.07	µg/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.583	—	—	0.07	µg/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.804	—	—	0.05	µg/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.649	—	—	0.05	µg/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.63	—	—	3.30	µg/L	J	J	12-646	CAWA-12-1967	GELC
CDV-37-1(i)	632	06/20/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	15.1	—	—	3.30	µg/L	—	—	11-2700	CAWA-11-14061	GELC
CDV-37-1(i)	632	03/31/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.3	—	—	3.30	µg/L	—	—	11-1872	CAWA-11-5323	GELC
CDV-37-1(i)	632	12/01/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.8	—	—	3.30	µg/L	—	—	11-756	CAWA-11-2119	GELC
CDV-37-1(i)	632	09/21/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.77	—	—	3.30	µg/L	J	J	10-4679	CAWA-10-25903	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.3	—	—	3.30	µg/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.9	—	—	3.30	µg/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15.2	—	—	3.30	µg/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	17.9	—	—	3.30	µg/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00193	0.00	0.04	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-11.5	3.17	30.00	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.01	0.00	0.03	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00988	0.00	0.03	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000235	0.00	0.03	—	pCi/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00532	0.00	0.04	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.28	0.63	7.20	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.728	0.53	5.60	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-7.36	0.73	7.50	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.893	0.60	6.20	—	pCi/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.96	0.53	5.40	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.1	0.53	6.70	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.27	0.53	6.00	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-4.79	0.50	2.90	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.215	0.60	5.90	—	pCi/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.53	0.50	5.80	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.45	0.24	1.90	—	pCi/L	U	UJ	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.902	0.22	2.20	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.602	0.20	2.10	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.29	0.25	2.20	—	pCi/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.66	0.26	2.10	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.158	0.19	2.10	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.701	0.25	2.90	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.44	0.25	2.40	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3	0.33	3.00	—	pCi/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.413	0.19	2.00	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.53	1.30	13.00	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.21	0.87	9.50	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.84	1.30	12.00	—	pCi/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.78	0.93	9.10	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	04/01/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.17	4.00	39.00	—	pCi/L	U	U	10-2659	CAWA-10-15170	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.012	0.00	0.06	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00597	0.00	0.02	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.04	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00202	0.00	0.02	—	pCi/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00748	0.00	0.02	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0119	0.00	0.05	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0119	0.00	0.04	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00832	0.00	0.05	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00403	0.00	0.04	—	pCi/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0135	0.00	0.03	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-30.7	7.67	77.00	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0.593	7.33	78.00	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-29.4	7.67	76.00	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-60.6	8.00	72.00	—	pCi/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.3	6.67	67.00	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0379	0.05	0.61	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	02/08/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.334	0.06	0.60	—	pCi/L	U	U	10-1727	CAWA-10-11283	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	2.66	0.15	0.51	—	pCi/L	—	—	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	02/08/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.364	0.08	0.80	—	pCi/L	U	U	10-1727	CAWA-10-11283	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.24	0.60	6.60	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.137	0.63	6.10	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.41	0.47	5.60	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.88	0.53	4.10	—	pCi/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.441	0.33	3.60	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0264	0.05	0.49	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.141	0.05	0.48	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.17	0.05	0.50	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.292	0.05	0.49	—	pCi/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.115	0.03	0.30	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.243	0.01	0.03	—	pCi/L	—	—	12-646	CAWA-12-1966	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.318	0.01	0.09	—	pCi/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.363	0.01	0.03	—	pCi/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.388	0.01	0.05	—	pCi/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.458	0.02	0.07	—	pCi/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.02	0.00	0.03	—	pCi/L	U	U	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0208	0.00	0.05	—	pCi/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0164	0.00	0.03	—	pCi/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00597	0.00	0.03	—	pCi/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0188	0.00	0.03	—	pCi/L	U	U	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.168	0.01	0.03	—	pCi/L	—	—	12-646	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.182	0.01	0.04	—	pCi/L	—	—	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.161	0.01	0.03	—	pCi/L	—	—	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.179	0.01	0.03	—	pCi/L	—	—	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.271	0.01	0.03	—	pCi/L	—	—	10-4679	CAWA-10-25902	GELC
CDV-37-1(i)	632	01/24/12	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	—	4.41	—	—	3.50	µg/L	J	J	12-644	CAWA-12-1966	GELC
CDV-37-1(i)	632	06/20/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50	µg/L	U	U	11-2700	CAWA-11-14062	GELC
CDV-37-1(i)	632	03/31/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50	µg/L	U	U	11-1872	CAWA-11-5324	GELC
CDV-37-1(i)	632	12/01/10	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50	µg/L	U	U	11-756	CAWA-11-2117	GELC
CDV-37-1(i)	632	09/21/10	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	—	4.87	—	—	3.50	µg/L	J	J	10-4679	CAWA-10-25902	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.5	—	—	0.73	mg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	51	—	—	0.73	mg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.2	—	—	0.73	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	44.8	—	—	0.73	mg/L	—	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	47.4	—	—	0.73	mg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	47.6	—	—	0.73	mg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0262	—	—	0.02	mg/L	J	J	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0562	—	—	0.02	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.032	—	—	0.02	mg/L	J	U	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.043	—	—	0.02	mg/L	J	J-	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.04	—	—	0.02	mg/L	J	J-	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	9.84	—	—	0.05	mg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	0.05	mg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10	—	—	0.05	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.27	—	—	0.05	mg/L	E	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.68	—	—	0.05	mg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.51	—	—	0.05	mg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.92	—	—	0.05	mg/L	—	—	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.31	—	—	0.05	mg/L	E	—	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.27	—	—	0.05	mg/L	—	—	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.65	—	—	0.05	mg/L	—	—	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.49	—	—	0.07	mg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.48	—	—	0.07	mg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	0.07	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.23	—	—	0.07	mg/L	—	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.96	—	—	0.07	mg/L	—	J+	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.95	—	—	0.07	mg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	0.03	mg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.179	—	—	0.03	mg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.192	—	—	0.03	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.187	—	—	0.03	mg/L	—	—	11-1850	CAWA-11-5329	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.158	—	—	0.03	mg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.169	—	—	0.03	mg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	35	—	—	0.45	mg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	36.1	—	—	0.45	mg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.6	—	—	0.45	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.5	—	—	0.45	mg/L	—	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	30.6	—	—	0.35	mg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	30.4	—	—	0.35	mg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.1	—	—	0.45	mg/L	—	—	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.7	—	—	0.45	mg/L	—	—	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.7	—	—	0.35	mg/L	—	—	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	31.1	—	—	0.35	mg/L	—	—	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	2.53	—	—	0.11	mg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.61	—	—	0.11	mg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.55	—	—	0.11	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.27	—	—	0.11	mg/L	—	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.18	—	—	0.09	mg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.23	—	—	0.09	mg/L	E	J	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.52	—	—	0.11	mg/L	—	—	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.29	—	—	0.11	mg/L	—	—	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.32	—	—	0.09	mg/L	—	—	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.31	—	—	0.09	mg/L	E	J	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.59	—	—	0.05	mg/L	—	J+	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.595	—	—	0.05	mg/L	—	J+	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.57	—	—	0.05	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.605	—	—	0.05	mg/L	—	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.52	—	—	0.05	mg/L	—	J	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.498	—	—	0.05	mg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.305	—	—	0.05	µg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.299	—	—	0.05	µg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.292	—	—	0.05	µg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.289	—	—	0.05	µg/L	—	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.277	—	—	0.05	µg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.242	—	—	0.05	µg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	0.494	—	—	0.05	mg/L	—	J	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.543	—	—	0.05	mg/L	—	J	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.308	—	—	0.05	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	<	0.324	—	—	0.05	mg/L	—	U	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.244	—	—	0.05	mg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.255	—	—	0.05	mg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	<	0.294	—	—	0.05	mg/L	—	U	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	<	0.341	—	—	0.05	mg/L	—	U	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.343	—	—	0.05	mg/L	—	—	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.301	—	—	0.05	mg/L	—	—	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	0.10	mg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	0.10	mg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	0.10	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	0.10	mg/L	E	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	0.10	mg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	0.10	mg/L	—	—	10-2657	CAWA-10-15156	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	0.10	mg/L	—	—	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	0.10	mg/L	E	—	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	0.10	mg/L	—	—	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	0.10	mg/L	—	—	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	119	—	—	1.00	µS/cm	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	120	—	—	1.00	µS/cm	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	120	—	—	1.00	µS/cm	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	114	—	—	1.00	µS/cm	—	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	115	—	—	1.00	µS/cm	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	110	—	—	1.00	µS/cm	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	4.3	—	—	0.10	mg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.28	—	—	0.10	mg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.39	—	—	0.10	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.8	—	—	0.10	mg/L	—	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.37	—	—	0.10	mg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.19	—	—	0.10	mg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	120	—	—	3.40	mg/L	—	J	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	3.40	mg/L	—	J	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	120	—	—	3.40	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	111	—	—	2.40	mg/L	—	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	126	—	—	2.40	mg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	125	—	—	2.40	mg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.793	—	—	0.33	mg/L	J	J	12-611	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.688	—	—	0.33	mg/L	J	J	12-611	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	0.33	mg/L	U	U	11-3443	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.394	—	—	0.33	mg/L	J	J	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.816	—	—	0.33	mg/L	J	J	10-4476	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.592	—	—	0.33	mg/L	J	J	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.31	—	—	0.01	SU	H	J-	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.35	—	—	0.01	SU	H	J-	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.33	—	—	0.01	SU	H	J-	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.3	—	—	0.01	SU	H	J-	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.2	—	—	0.01	SU	H	J-	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.19	—	—	0.01	SU	H	J-	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	HEXP	SW-846:8321A	HMX	—	0.526	—	—	0.10	µg/L	—	—	12-611	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.509	—	—	0.10	µg/L	—	—	12-611	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.36	—	—	0.10	µg/L	—	—	11-3443	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.363	—	—	0.10	µg/L	—	—	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.386	—	—	0.10	µg/L	—	J	10-4476	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.282	—	—	0.10	µg/L	J	J	10-2656	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.31	—	—	0.09	µg/L	J	J	12-613	CAWA-12-1961	STSL
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.65	—	—	0.09	µg/L	P	—	11-3442	CAWA-11-27101	STSL
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.25	—	—	0.09	µg/L	J	J	11-1849	CAWA-11-5330	STSL
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.2	—	—	0.09	µg/L	J	J	10-4475	CAWA-10-25779	STSL
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	<	0.5	—	—	0.09	µg/L	U	U	10-2658	CAWA-10-15154	STSL
CdV-16-2(i)r	850	01/18/12	WG	UF	DL	FD	HEXP	SW-846:8321A	RDX	—	82.3	—	—	1.00	µg/L	—	—	12-611	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	80.3	—	—	1.00	µg/L	—	—	12-611	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	81.8	—	—	1.00	µg/L	—	—	11-3443	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	79.9	—	—	1.30	µg/L	—	J	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	52.1	—	—	1.00	µg/L	—	J+	10-4476	CAWA-10-25779	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CdV-16-2(i)r	850	04/01/10	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	56.9	—	—	1.00	µg/L	H	J-	10-2656	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.162	—	—	0.10	µg/L	J	J	12-611	CAWA-12-1962	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.138	—	—	0.10	µg/L	J	J	11-3443	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.16	—	—	0.10	µg/L	J	J	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.195	—	—	0.10	µg/L	J	J	10-4476	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.153	—	—	0.10	µg/L	J	J	10-2656	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	2.49	—	—	1.00	µg/L	J	J	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	2.46	—	—	1.00	µg/L	J	J	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	2.92	—	—	1.00	µg/L	J	J	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	2.41	—	—	1.00	µg/L	J	J	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	2.96	—	—	1.00	µg/L	J	J	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	2.44	—	—	1.00	µg/L	J	J	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	2.85	—	—	1.00	µg/L	J	J	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	3.11	—	—	1.00	µg/L	J	J	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	5.61	—	—	1.00	µg/L	—	—	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	3.55	—	—	1.00	µg/L	J	J	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	23.9	—	—	15.00	µg/L	J	J	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.8	—	—	15.00	µg/L	J	J	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	15.00	µg/L	J	J	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.1	—	—	15.00	µg/L	J	J	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.9	—	—	15.00	µg/L	J	J	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	15.00	µg/L	U	U	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.8	—	—	15.00	µg/L	J	J	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.5	—	—	15.00	µg/L	J	J	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.2	—	—	15.00	µg/L	J	J	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	15.00	µg/L	U	U	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Copper	—	4.22	—	—	3.00	µg/L	J	J	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.63	—	—	3.00	µg/L	J	J	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	4.05	—	—	3.00	µg/L	J	J	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.79	—	—	3.00	µg/L	J	J	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	9.4	—	—	3.00	µg/L	J	J	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.43	—	—	3.00	µg/L	J	J	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.4	—	—	3.00	µg/L	J	J	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.965	—	—	0.17	µg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.938	—	—	0.17	µg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	0.17	µg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.27	—	—	0.17	µg/L	—	J	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	0.10	µg/L	—	J	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.951	—	—	0.10	µg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	0.17	µg/L	—	—	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	0.17	µg/L	—	J	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	0.10	µg/L	—	J	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.994	—	—	0.10	µg/L	—	—	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	62.3	—	—	0.05	mg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.5	—	—	0.05	mg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.4	—	—	0.05	mg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.9	—	—	0.05	mg/L	E	—	11-1850	CAWA-11-5329	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.8	—	—	0.05	mg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.8	—	—	0.05	mg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	61.1	—	—	1.00	µg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.6	—	—	1.00	µg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.3	—	—	1.00	µg/L	—	—	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.6	—	—	1.00	µg/L	E	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.4	—	—	1.00	µg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.1	—	—	1.00	µg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	63	—	—	1.00	µg/L	—	—	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.4	—	—	1.00	µg/L	E	—	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61.3	—	—	1.00	µg/L	—	—	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56.5	—	—	1.00	µg/L	—	—	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.28	—	—	0.07	µg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.283	—	—	0.07	µg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.358	—	—	0.07	µg/L	—	U	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.319	—	—	0.07	µg/L	—	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.25	—	—	0.05	µg/L	—	U	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.232	—	—	0.05	µg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.375	—	—	0.07	µg/L	—	U	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.384	—	—	0.07	µg/L	—	—	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.506	—	—	0.05	µg/L	—	J	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.303	—	—	0.05	µg/L	—	—	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	13.1	—	—	3.30	µg/L	—	—	12-612	CAWA-12-1963	GELC
CdV-16-2(i)r	850	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	13.3	—	—	3.30	µg/L	—	—	12-612	CAWA-12-1960	GELC
CdV-16-2(i)r	850	09/06/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.19	—	—	3.30	µg/L	J	J	11-3444	CAWA-11-27100	GELC
CdV-16-2(i)r	850	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	13.5	—	—	3.30	µg/L	—	—	11-1850	CAWA-11-5329	GELC
CdV-16-2(i)r	850	09/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	15.5	—	—	3.30	µg/L	—	—	10-4477	CAWA-10-25776	GELC
CdV-16-2(i)r	850	04/01/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	13.8	—	—	3.30	µg/L	—	—	10-2657	CAWA-10-15156	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.4	—	—	3.30	µg/L	—	—	11-3444	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	17.6	—	—	3.30	µg/L	—	—	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	18.7	—	—	3.30	µg/L	—	—	10-4477	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15.2	—	—	3.30	µg/L	—	—	10-2657	CAWA-10-15154	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0124	0.00	0.03	—	pCi/L	U	U	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.00698	0.00	0.05	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00737	0.00	0.05	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0191	0.00	0.03	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00153	0.00	0.04	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00214	0.00	0.06	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0069	0.00	0.03	—	pCi/L	U	U	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.94	0.40	4.50	—	pCi/L	U	U	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	0.254	0.53	5.90	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.68	0.67	6.50	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.624	0.47	4.80	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.32	0.40	4.50	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.56	0.57	4.90	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.215	0.40	3.90	—	pCi/L	U	U	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.04	0.40	4.40	—	pCi/L	U	U	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.834	0.50	6.30	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.402	0.60	7.30	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.93	0.50	5.70	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.27	0.47	5.00	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.9	0.40	4.50	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.23	0.47	5.20	—	pCi/L	U	U	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	05/10/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.47	0.26	2.39	—	pCi/L	U	U	185980	GF07050162IR01	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.534	0.15	1.50	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.613	0.17	1.70	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.401	0.15	1.80	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.314	0.13	2.30	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.267	0.24	2.90	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	05/10/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.08	0.29	2.43	—	pCi/L	U	U	185980	GU07050162IR01	GELC
CdV-16-2(i)r	850	05/10/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	0.388	0.28	2.97	—	pCi/L	U	U	185980	GF07050162IR01	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	0.298	0.18	2.00	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.6	0.24	2.20	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.5	0.24	2.30	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.08	0.26	2.60	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.798	0.28	2.90	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	05/10/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.74	0.30	2.91	—	pCi/L	U	U	185980	GU07050162IR01	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.49	3.33	30.00	—	pCi/L	U	U	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-3.63	1.03	10.00	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.943	1.03	11.00	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.17	1.00	11.00	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.21	0.83	7.50	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.25	3.67	37.00	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.59	2.83	29.00	—	pCi/L	U	U	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00391	0.00	0.03	—	pCi/L	U	U	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.00187	0.00	0.04	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.04	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-2E-10	0.00	0.02	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-1.9E-09	0.00	0.02	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00452	0.00	0.04	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00202	0.00	0.03	—	pCi/L	U	U	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.00	0.03	—	pCi/L	U	U	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.00374	0.00	0.03	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00425	0.00	0.03	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00433	0.00	0.04	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00397	0.00	0.03	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00226	0.00	0.04	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0162	0.00	0.04	—	pCi/L	U	U	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.9	4.67	45.00	—	pCi/L	U	U	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	29.1	6.67	84.00	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.6	6.33	75.00	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	34.2	6.67	45.00	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.6	5.33	59.00	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-32.8	5.33	49.00	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.248	5.33	55.00	—	pCi/L	U	U	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.285	0.06	0.58	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.995	0.11	0.89	—	pCi/L	—	U	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	04/10/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.467	0.06	0.45	—	pCi/L	—	U	08-983	CAWA-08-11667	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0291	0.08	0.92	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.557	0.05	0.37	—	pCi/L	—	—	09-138	CAWA-08-16022	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CdV-16-2(i)r	850	04/10/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.6	0.08	0.70	—	pCi/L	U	U	08-983	CAWA-08-11667	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.65	0.40	4.30	—	pCi/L	U	U	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-2.97	0.60	5.80	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.8	0.53	5.20	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.762	0.50	4.60	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.54	0.40	3.40	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.07	0.53	5.60	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.34	0.37	4.20	—	pCi/L	U	U	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0925	0.02	0.26	—	pCi/L	U	U	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.0599	0.05	0.49	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.133	0.04	0.49	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.095	0.04	0.51	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.216	0.03	0.46	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.261	0.04	0.44	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0505	0.03	0.31	—	pCi/L	U	U	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.139	0.01	0.07	—	pCi/L	—	—	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.195	0.01	0.05	—	pCi/L	—	—	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.221	0.01	0.05	—	pCi/L	—	—	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.245	0.01	0.05	—	pCi/L	—	—	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.189	0.01	0.07	—	pCi/L	—	—	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.218	0.01	0.08	—	pCi/L	—	—	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.201	0.01	0.09	—	pCi/L	—	—	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.013	0.00	0.04	—	pCi/L	U	U	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.00375	0.00	0.04	—	pCi/L	U	U	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00389	0.00	0.04	—	pCi/L	U	U	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00369	0.00	0.04	—	pCi/L	U	U	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0163	0.00	0.04	—	pCi/L	U	U	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0113	0.00	0.04	—	pCi/L	U	U	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00931	0.00	0.05	—	pCi/L	U	U	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	10/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0714	0.00	0.04	—	pCi/L	—	—	09-138	CAWA-08-16021	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.128	0.01	0.04	—	pCi/L	—	—	12-614	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0975	0.01	0.04	—	pCi/L	—	—	12-614	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.113	0.01	0.05	—	pCi/L	—	—	11-3445	CAWA-11-27101	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.147	0.01	0.03	—	pCi/L	—	—	10-4478	CAWA-10-25779	GELC
CdV-16-2(i)r	850	10/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.134	0.01	0.05	—	pCi/L	—	—	10-90	CAWA-09-14145	GELC
CdV-16-2(i)r	850	10/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.148	0.01	0.05	—	pCi/L	—	—	09-138	CAWA-08-16022	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.41	—	—	0.25	µg/L	J	J	12-611	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.4	—	—	0.25	µg/L	J	J	12-611	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.45	—	—	0.25	µg/L	J	J	11-3443	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.36	—	—	0.25	µg/L	J	J	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	<	1	—	—	0.25	µg/L	U	U	10-4476	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	<	1	—	—	0.25	µg/L	U	U	10-2656	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	VOA	SW-846:8260B	Tetrachloroethene	—	0.57	—	—	0.30	µg/L	J	J	12-611	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	0.59	—	—	0.30	µg/L	J	J	12-611	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	0.51	—	—	0.30	µg/L	J	J	11-3443	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	0.41	—	—	0.30	µg/L	J	J	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	0.34	—	—	0.30	µg/L	J	J	10-4476	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	0.35	—	—	0.30	µg/L	J	J	10-2656	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	VOA	SW-846:8260B	Toluene	—	2.16	—	—	0.25	µg/L	—	J	12-611	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	2.32	—	—	0.25	µg/L	—	J	12-611	CAWA-12-1961	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	0.4	—	—	0.25	µg/L	J	J	11-3443	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	0.25	µg/L	U	U	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	9.91	—	—	0.25	µg/L	—	—	10-4476	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	1.51	—	—	0.25	µg/L	—	—	10-2656	CAWA-10-15154	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	FD	VOA	SW-846:8260B	Trichloroethene	—	0.35	—	—	0.25	µg/L	J	J	12-611	CAWA-12-1962	GELC
CdV-16-2(i)r	850	01/18/12	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.38	—	—	0.25	µg/L	J	J	12-611	CAWA-12-1961	GELC
CdV-16-2(i)r	850	09/06/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.25	—	—	0.25	µg/L	J	J	11-3443	CAWA-11-27101	GELC
CdV-16-2(i)r	850	03/30/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	<	1	—	—	0.25	µg/L	U	U	11-1850	CAWA-11-5330	GELC
CdV-16-2(i)r	850	09/07/10	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	<	1	—	—	0.25	µg/L	U	U	10-4476	CAWA-10-25779	GELC
CdV-16-2(i)r	850	04/01/10	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	<	1	—	—	0.25	µg/L	U	U	10-2656	CAWA-10-15154	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	37.5	—	—	0.73	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.3	—	—	0.73	mg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	103	—	—	0.73	mg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	10/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	26.9	—	—	0.73	mg/L	—	—	10-119	CAWA-09-13816	GELC
MSC-16-06295	1.5	04/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	43.1	—	—	0.73	mg/L	—	—	09-1397	CAWA-09-5559	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.177	—	—	0.02	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.165	—	—	0.02	mg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.256	—	—	0.02	mg/L	—	J-	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	10/13/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.052	—	—	0.02	mg/L	—	U	10-119	CAWA-09-13816	GELC
MSC-16-06295	1.5	04/06/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.018	—	—	0.02	mg/L	J	U	09-1397	CAWA-09-5559	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	0.05	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	0.05	mg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	0.05	mg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.4	—	—	0.05	mg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.89	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.2	—	—	0.05	mg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	0.05	mg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.2	—	—	0.05	mg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.56	—	—	0.07	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	9.6	—	—	0.07	mg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.78	—	—	0.07	mg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	10/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.92	—	—	0.07	mg/L	—	—	10-119	CAWA-09-13816	GELC
MSC-16-06295	1.5	04/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.62	—	—	0.07	mg/L	—	—	09-1397	CAWA-09-5559	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.185	—	—	0.03	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.181	—	—	0.03	mg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.203	—	—	0.03	mg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	10/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.164	—	—	0.03	mg/L	—	—	10-119	CAWA-09-13816	GELC
MSC-16-06295	1.5	04/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.175	—	—	0.03	mg/L	—	—	09-1397	CAWA-09-5559	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.1	—	—	0.45	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.6	—	—	0.45	mg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	37.2	—	—	0.45	mg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.7	—	—	0.35	mg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	33.9	—	—	0.35	mg/L	—	—	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.2	—	—	0.45	mg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	37.4	—	—	0.45	mg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	90.3	—	—	0.35	mg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	37.1	—	—	0.35	mg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	0.11	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.46	—	—	0.11	mg/L	—	—	11-3551	CAWA-11-27092	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.48	—	—	0.11	mg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.43	—	—	0.09	mg/L	E	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.24	—	—	0.09	mg/L	—	—	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.59	—	—	0.11	mg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.41	—	—	0.11	mg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.06	—	—	0.09	mg/L	E	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.41	—	—	0.09	mg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.202	—	—	0.01	mg/L	—	J+	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	0.05	mg/L	U	U	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	0.05	mg/L	U	U	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	10/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.247	—	—	0.05	mg/L	J	J	10-119	CAWA-09-13816	GELC
MSC-16-06295	1.5	04/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	0.05	mg/L	U	U	09-1397	CAWA-09-5559	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.0557	—	—	0.05	µg/L	J	J	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	<	0.2	—	—	0.05	µg/L	U	U	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	<	0.2	—	—	0.05	µg/L	U	U	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	10/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.169	—	—	0.05	µg/L	J	J	10-119	CAWA-09-13816	GELC
MSC-16-06295	1.5	04/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	<	0.2	—	—	0.05	µg/L	U	U	09-1397	CAWA-09-5559	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.52	—	—	0.05	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.53	—	—	0.05	mg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.11	—	—	0.05	mg/L	—	J	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.99	—	—	0.05	mg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.95	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.72	—	—	0.05	mg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.89	—	—	0.05	mg/L	—	J	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.36	—	—	0.05	mg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.07	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	0.10	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.2	—	—	0.10	mg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	0.10	mg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	0.10	mg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	0.10	mg/L	—	—	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	0.10	mg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	0.10	mg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	0.10	mg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	0.10	mg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00	µS/cm	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	181	—	—	1.00	µS/cm	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	254	—	—	1.00	µS/cm	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.6	—	—	0.10	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.49	—	—	0.10	mg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.06	—	—	0.10	mg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	10/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.95	—	—	0.10	mg/L	—	—	10-119	CAWA-09-13816	GELC
MSC-16-06295	1.5	04/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.58	—	—	0.10	mg/L	—	—	09-1397	CAWA-09-5559	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	246	—	—	3.40	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	4.80	mg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	212	—	—	2.40	mg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	10/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	181	—	—	2.40	mg/L	—	—	10-119	CAWA-09-13816	GELC
MSC-16-06295	1.5	04/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	2.40	mg/L	H	J	09-1397	CAWA-09-5559	GELC
MSC-16-06295	1.5	01/23/12	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.855	—	—	0.04	mg/L	—	—	12-637	CAWA-12-1950	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.896	—	—	0.04	mg/L	—	J+	11-3551	CAWA-11-27093	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1.04	—	—	0.03	mg/L	—	—	10-4587	CAWA-10-25763	GELC
MSC-16-06295	1.5	10/13/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.38	—	—	0.03	mg/L	—	—	10-119	CAWA-09-13814	GELC
MSC-16-06295	1.5	04/06/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	0.03	mg/L	U	U	09-1397	CAWA-09-5560	GELC
MSC-16-06295	1.5	01/23/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	16.7	—	—	0.33	mg/L	—	—	12-637	CAWA-12-1950	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	29.6	—	—	1.70	mg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	23.6	—	—	0.66	mg/L	—	—	10-4587	CAWA-10-25763	GELC
MSC-16-06295	1.5	10/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	13.4	—	—	0.66	mg/L	—	—	10-119	CAWA-09-13814	GELC
MSC-16-06295	1.5	04/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	12.9	—	—	0.33	mg/L	—	—	09-1397	CAWA-09-5560	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.64	—	—	0.01	SU	H	J-	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.76	—	—	0.01	SU	H	J-	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.61	—	—	0.01	SU	H	J-	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	01/23/12	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.261	—	—	0.10	µg/L	J	J	12-637	CAWA-12-1950	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	1.22	—	—	0.10	µg/L	—	J	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.902	—	—	0.10	µg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	1.01	—	—	0.10	µg/L	—	J	10-4587	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	1.45	—	—	0.10	µg/L	—	J	10-2710	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	7770	—	—	68.00	µg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	578	—	—	68.00	µg/L	*	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	2470	—	—	68.00	µg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	84.6	—	—	68.00	µg/L	J	J	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	537	—	—	68.00	µg/L	N	J+	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	706	—	—	68.00	µg/L	*	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1040	—	—	68.00	µg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	171	—	—	68.00	µg/L	J	J	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	678	—	—	68.00	µg/L	N	J+	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.34	—	—	1.70	µg/L	J	J	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.92	—	—	1.50	µg/L	J	J	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	4.72	—	—	1.50	µg/L	J	U	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.84	—	—	1.70	µg/L	J	J	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.75	—	—	1.50	µg/L	J	J	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	4.56	—	—	1.50	µg/L	J	U	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	207	—	—	1.00	µg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	217	—	—	1.00	µg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	216	—	—	1.00	µg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	288	—	—	1.00	µg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	160	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	230	—	—	1.00	µg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	235	—	—	1.00	µg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	304	—	—	1.00	µg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	213	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	169	—	—	15.00	µg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	261	—	—	15.00	µg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	221	—	—	15.00	µg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	298	—	—	15.00	µg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	208	—	—	15.00	µg/L	—	—	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	271	—	—	15.00	µg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	218	—	—	15.00	µg/L	—	—	11-1853	CAWA-11-5465	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	316	—	—	15.00	µg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	216	—	—	15.00	µg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6020	Cadmium	—	0.148	—	—	0.11	µg/L	J	J	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	0.11	µg/L	U	U	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6020	Cadmium	—	0.129	—	—	0.11	µg/L	J	J	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	0.11	µg/L	U	U	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	0.11	µg/L	U	U	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	0.11	µg/L	U	U	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.13	—	—	0.11	µg/L	J	J	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	0.11	µg/L	U	U	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	0.11	µg/L	U	U	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.85	—	—	2.00	µg/L	J	J	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.81	—	—	2.00	µg/L	J	J	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.45	—	—	2.00	µg/L	J	J	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.83	—	—	2.50	µg/L	J	J	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50	µg/L	U	U	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00	µg/L	U	U	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.13	—	—	2.00	µg/L	J	J	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.04	—	—	2.50	µg/L	J	J	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50	µg/L	U	U	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.81	—	—	1.00	µg/L	J	J	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.71	—	—	1.00	µg/L	J	J	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.78	—	—	1.00	µg/L	J	J	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	5.95	—	—	1.00	µg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	3.17	—	—	1.00	µg/L	J	J	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.63	—	—	1.00	µg/L	J	J	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	5.18	—	—	1.00	µg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00	µg/L	U	U	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.44	—	—	3.00	µg/L	J	J	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	5.99	—	—	3.00	µg/L	J	J	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	4.74	—	—	3.00	µg/L	J	J	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	5.51	—	—	3.00	µg/L	J	J	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.29	—	—	3.00	µg/L	J	J	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.71	—	—	3.00	µg/L	J	J	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.09	—	—	3.00	µg/L	J	J	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	4900	—	—	30.00	µg/L	N	J-	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	755	—	—	30.00	µg/L	*	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	1310	—	—	30.00	µg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	6390	—	—	30.00	µg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	425	—	—	30.00	µg/L	N	J+	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	895	—	—	30.00	µg/L	*	J	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	784	—	—	30.00	µg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	7650	—	—	30.00	µg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	684	—	—	30.00	µg/L	N	J+	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6020	Lead	—	2.87	—	—	0.50	µg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.582	—	—	0.50	µg/L	J	J	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6020	Lead	—	2.6	—	—	0.50	µg/L	—	—	11-1853	CAWA-11-5464	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	0.50	µg/L	U	U	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Lead	—	1.92	—	—	0.50	µg/L	J	J	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.909	—	—	0.50	µg/L	J	J	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	3.02	—	—	0.50	µg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	0.50	µg/L	U	U	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	3.37	—	—	0.50	µg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	178	—	—	2.00	µg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	386	—	—	2.00	µg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	96	—	—	2.00	µg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	1270	—	—	2.00	µg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	15	—	—	2.00	µg/L	—	—	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	421	—	—	2.00	µg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	97.4	—	—	2.00	µg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	1120	—	—	2.00	µg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	25.6	—	—	2.00	µg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	0.17	µg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.66	—	—	0.17	µg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.62	—	—	0.17	µg/L	—	U	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.81	—	—	0.10	µg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.2	—	—	0.10	µg/L	—	U	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.56	—	—	0.17	µg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.535	—	—	0.17	µg/L	—	U	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.29	—	—	0.10	µg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.14	—	—	0.10	µg/L	—	U	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.71	—	—	0.50	µg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.78	—	—	0.50	µg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.65	—	—	0.50	µg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.56	—	—	0.50	µg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	57.1	—	—	0.50	µg/L	—	—	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.9	—	—	0.50	µg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.55	—	—	0.50	µg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.66	—	—	0.50	µg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.18	—	—	0.50	µg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.9	—	—	0.05	mg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.6	—	—	0.05	mg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.4	—	—	0.05	mg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	10/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.6	—	—	0.05	mg/L	—	—	10-119	CAWA-09-13816	GELC
MSC-16-06295	1.5	04/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	31.4	—	—	0.03	mg/L	—	—	09-1397	CAWA-09-5559	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	76.3	—	—	1.00	µg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	95.2	—	—	1.00	µg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.1	—	—	1.00	µg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	148	—	—	1.00	µg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	102	—	—	1.00	µg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.2	—	—	1.00	µg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	163	—	—	1.00	µg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.8	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	0.07	µg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.418	—	—	0.07	µg/L	—	—	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.592	—	—	0.07	µg/L	—	—	11-1853	CAWA-11-5464	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.258	—	—	0.05	µg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.525	—	—	0.05	µg/L	—	—	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.462	—	—	0.07	µg/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.741	—	—	0.07	µg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.208	—	—	0.05	µg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.71	—	—	0.05	µg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.05	—	—	1.00	µg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.82	—	—	1.00	µg/L	J	J	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.51	—	—	1.00	µg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.21	—	—	1.00	µg/L	J	J	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.37	—	—	1.00	µg/L	J	J	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.79	—	—	1.00	µg/L	J	J	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.06	—	—	1.00	µg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.92	—	—	1.00	µg/L	J	J	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.27	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	19.4	—	—	3.30	µg/L	—	—	12-637	CAWA-12-1949	GELC
MSC-16-06295	1.5	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.29	—	—	3.30	µg/L	J	J	11-3551	CAWA-11-27092	GELC
MSC-16-06295	1.5	03/30/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	15.4	—	—	3.30	µg/L	—	—	11-1853	CAWA-11-5464	GELC
MSC-16-06295	1.5	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.3	—	—	3.30	µg/L	—	—	10-4588	CAWA-10-25761	GELC
MSC-16-06295	1.5	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.3	—	—	3.30	µg/L	J	J	10-2709	CAWA-10-15084	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.25	—	—	3.30	µg/L	J	J	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	03/30/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15.9	—	—	3.30	µg/L	—	—	11-1853	CAWA-11-5465	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.4	—	—	3.30	µg/L	—	—	10-4588	CAWA-10-25763	GELC
MSC-16-06295	1.5	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.8	—	—	3.30	µg/L	—	—	10-2709	CAWA-10-15085	GELC
MSC-16-06295	1.5	01/23/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.96	0.37	2.10	—	pCi/L	—	J-	12-637	CAWA-12-1950	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.956	0.22	2.20	—	pCi/L	U	UJ	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.27	0.30	2.00	—	pCi/L	—	U	10-4589	CAWA-10-25763	GELC
MSC-16-06295	1.5	10/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.09	0.31	2.40	—	pCi/L	U	U	10-119	CAWA-09-13814	GELC
MSC-16-06295	1.5	10/25/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.94	0.28	2.17	—	pCi/L	U	U	196534	GU07100MSC9501	GELC
MSC-16-06295	1.5	01/24/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.14	0.29	2.92	—	pCi/L	U	U	179773	GF07010MSC9501	GELC
MSC-16-06295	1.5	01/23/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.04	0.40	2.10	—	pCi/L	—	—	12-637	CAWA-12-1950	GELC
MSC-16-06295	1.5	09/12/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	9.99	0.50	2.40	—	pCi/L	—	—	11-3551	CAWA-11-27093	GELC
MSC-16-06295	1.5	09/14/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.99	0.37	2.80	—	pCi/L	—	—	10-4589	CAWA-10-25763	GELC
MSC-16-06295	1.5	10/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	8.83	0.50	3.00	—	pCi/L	—	—	10-119	CAWA-09-13814	GELC
MSC-16-06295	1.5	01/24/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.2	0.31	2.66	—	pCi/L	—	J	179773	GU07010MSC9501	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	110	—	—	0.73	mg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	111	—	—	0.73	mg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	95.2	—	—	0.73	mg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	106	—	—	0.73	mg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	10/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	107	—	—	0.73	mg/L	—	—	10-166	CAWA-09-13713	GELC
Martin Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	107	—	—	0.73	mg/L	—	—	09-1278	CAWA-09-5536	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.051	—	—	0.02	mg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.02	mg/L	U	U	11-3609	CAWA-11-27053	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.02	mg/L	U	UJ	10-4588	CAWA-10-25717	GELC
Martin Spring	—	10/16/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.022	—	—	0.02	mg/L	J	U	10-166	CAWA-09-13713	GELC
Martin Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.02	mg/L	U	U	09-1278	CAWA-09-5536	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.165	—	—	0.07	mg/L	J	J	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.168	—	—	0.07	mg/L	J	J	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	11-3609	CAWA-11-27053	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.177	—	—	0.07	mg/L	J	J	10-4588	CAWA-10-25717	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Martin Spring	—	10/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.134	—	—	0.07	mg/L	J	J	10-166	CAWA-09-13713	GELC
Martin Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.131	—	—	0.07	mg/L	J	J	09-1278	CAWA-09-5536	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	32.1	—	—	0.05	mg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	32.9	—	—	0.05	mg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.2	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	30.5	—	—	0.05	mg/L	—	—	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.8	—	—	0.05	mg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.5	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.2	—	—	0.05	mg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	29	—	—	0.05	mg/L	—	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	37.2	—	—	0.33	mg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	37	—	—	0.33	mg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.2	—	—	0.13	mg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	25.6	—	—	0.13	mg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	10/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	22.2	—	—	0.13	mg/L	—	—	10-166	CAWA-09-13713	GELC
Martin Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	24.4	—	—	0.13	mg/L	—	—	09-1278	CAWA-09-5536	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.562	—	—	0.03	mg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.547	—	—	0.03	mg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.493	—	—	0.03	mg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.491	—	—	0.03	mg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	10/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.683	—	—	0.03	mg/L	—	—	10-166	CAWA-09-13713	GELC
Martin Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.611	—	—	0.03	mg/L	—	—	09-1278	CAWA-09-5536	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	110	—	—	0.45	mg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	112	—	—	0.45	mg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.4	—	—	0.45	mg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	105	—	—	0.45	mg/L	—	—	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	102	—	—	0.35	mg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	92.2	—	—	0.45	mg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	107	—	—	0.45	mg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	99.3	—	—	0.35	mg/L	—	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	7.14	—	—	0.11	mg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.3	—	—	0.11	mg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.7	—	—	0.11	mg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.87	—	—	0.11	mg/L	—	—	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.78	—	—	0.09	mg/L	E	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.3	—	—	0.11	mg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.06	—	—	0.11	mg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.5	—	—	0.09	mg/L	E	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.03	—	—	0.05	mg/L	—	J+	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.08	—	—	0.05	mg/L	—	J+	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.44	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.34	—	—	0.10	mg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	10/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.14	—	—	0.05	mg/L	—	—	10-166	CAWA-09-13713	GELC
Martin Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.34	—	—	0.10	mg/L	—	—	09-1278	CAWA-09-5536	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.707	—	—	0.05	µg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.689	—	—	0.05	µg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.564	—	—	0.05	µg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.706	—	—	0.05	µg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	10/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.638	—	—	0.05	µg/L	—	—	10-166	CAWA-09-13713	GELC
Martin Spring	—	03/24/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.546	—	—	0.05	µg/L	—	—	09-1278	CAWA-09-5536	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.48	—	—	0.05	mg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.49	—	—	0.05	mg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.97	—	—	0.05	mg/L	—	J	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.86	—	—	0.05	mg/L	—	J	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.29	—	—	0.05	mg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.41	—	—	0.05	mg/L	—	J	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.99	—	—	0.05	mg/L	—	J	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.24	—	—	0.05	mg/L	—	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	38.8	—	—	0.10	mg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	39.8	—	—	0.10	mg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	28.4	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	33	—	—	0.10	mg/L	—	—	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	33.6	—	—	0.10	mg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	29.4	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	34.1	—	—	0.10	mg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	31.6	—	—	0.10	mg/L	—	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	395	—	—	1.00	µS/cm	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	400	—	—	1.00	µS/cm	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	315	—	—	1.00	µS/cm	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	375	—	—	1.00	µS/cm	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	17.5	—	—	0.10	mg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.5	—	—	0.10	mg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	14	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	18.3	—	—	0.10	mg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	10/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.6	—	—	0.10	mg/L	—	—	10-166	CAWA-09-13713	GELC
Martin Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.8	—	—	0.10	mg/L	—	J-	09-1278	CAWA-09-5536	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	75.4	—	—	1.50	mg/L	—	—	12-612	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	80.9	—	—	1.60	mg/L	—	—	12-612	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	1.2	—	—	1.10	mg/L	J	J	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	9	—	—	2.90	mg/L	J	J	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	90.8	—	—	2.30	mg/L	—	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	267	—	—	3.40	mg/L	—	J	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	246	—	—	3.40	mg/L	—	J	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	209	—	—	3.40	mg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	257	—	—	2.40	mg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	10/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	241	—	—	2.40	mg/L	—	—	10-166	CAWA-09-13713	GELC
Martin Spring	—	03/24/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	216	—	—	2.40	mg/L	—	—	09-1278	CAWA-09-5536	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.316	—	—	0.04	mg/L	—	—	12-611	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.31	—	—	0.04	mg/L	—	—	12-611	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.322	—	—	0.04	mg/L	—	U	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.435	—	—	0.03	mg/L	—	—	10-4587	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.106	—	—	0.03	mg/L	—	J-	10-165	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	2.11	—	—	0.33	mg/L	—	—	12-611	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.15	—	—	0.33	mg/L	—	—	12-611	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.22	—	—	0.33	mg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.52	—	—	0.33	mg/L	—	—	10-4587	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.51	—	—	0.33	mg/L	—	—	10-165	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.34	—	—	0.01	SU	H	J-	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.41	—	—	0.01	SU	H	J-	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.11	—	—	0.01	SU	H	J-	11-3609	CAWA-11-27053	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Martin Spring	—	09/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.2	—	—	0.01	SU	H	J-	10-4588	CAWA-10-25717	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	HEXP	SW-846:8321A	3,5-Dinitroaniline	—	0.84	—	—	0.39	µg/L	J	J	12-611	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	HEXP	SW-846:8321A	3,5-Dinitroaniline	—	0.738	—	—	0.39	µg/L	J	J	12-611	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	3,5-Dinitroaniline	—	0.412	—	—	0.39	µg/L	J	J	11-3608	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	HEXP	SW-846:8321A	3,5-Dinitroaniline	—	0.706	—	—	0.39	µg/L	J	J	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	HEXP	SW-846:8321A	3,5-Dinitroaniline	—	0.804	—	—	0.39	µg/L	J	J	10-4587	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	1.86	—	—	0.10	µg/L	—	—	12-611	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	1.63	—	—	0.10	µg/L	—	—	12-611	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	1.39	—	—	0.10	µg/L	—	—	11-3608	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	1.82	—	—	0.10	µg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	2.36	—	—	0.10	µg/L	—	J	10-4587	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	1.65	—	—	0.10	µg/L	—	—	12-611	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	1.41	—	—	0.10	µg/L	—	—	12-611	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	1.21	—	—	0.10	µg/L	—	—	11-3608	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	1.39	—	—	0.10	µg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	1.72	—	—	0.10	µg/L	—	J	10-4587	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	UF	DL	FD	HEXP	SW-846:8321A	HMX	—	15	—	—	1.30	µg/L	—	—	12-611	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	DL	—	HEXP	SW-846:8321A	HMX	—	11.5	—	—	1.00	µg/L	—	—	12-611	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	DL	—	HEXP	SW-846:8321A	HMX	—	11.4	—	—	1.00	µg/L	—	—	11-3608	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	DL	—	HEXP	SW-846:8321A	HMX	—	17.2	—	—	2.60	µg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	DL	—	HEXP	SW-846:8321A	HMX	—	17	—	—	1.30	µg/L	—	J	10-4587	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	HEXP	SW-846:8330	MNX	—	0.54	—	—	0.09	µg/L	P	—	12-613	CAWA-12-2079	STSL
Martin Spring	—	01/18/12	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.5	—	—	0.09	µg/L	P	—	12-613	CAWA-12-1930	STSL
Martin Spring	—	09/15/11	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	1.1	—	—	0.09	µg/L	P	—	11-3611	CAWA-11-27055	STSL
Martin Spring	—	04/05/11	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.56	—	—	0.09	µg/L	P	—	11-1933	CAWA-11-5411	STSL
Martin Spring	—	09/14/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.39	—	—	0.09	µg/L	J	J	10-4586	CAWA-10-25715	STSL
Martin Spring	—	01/18/12	WG	UF	DL	FD	HEXP	SW-846:8321A	RDX	—	115	—	—	1.30	µg/L	—	—	12-611	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	94.7	—	—	1.00	µg/L	—	—	12-611	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	83.3	—	—	1.00	µg/L	—	—	11-3608	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	138	—	—	2.60	µg/L	—	J	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	100	—	—	1.30	µg/L	—	—	10-4587	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	HEXP	SW-846:8330	TNX	—	0.13	—	—	0.08	µg/L	P	—	12-613	CAWA-12-2079	STSL
Martin Spring	—	01/18/12	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.12	—	—	0.08	µg/L	P	—	12-613	CAWA-12-1930	STSL
Martin Spring	—	09/15/11	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.14	—	—	0.08	µg/L	J	J	11-3611	CAWA-11-27055	STSL
Martin Spring	—	04/05/11	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.15	—	—	0.08	µg/L	J	J	11-1933	CAWA-11-5411	STSL
Martin Spring	—	09/14/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.19	—	—	0.08	µg/L	J	J	10-4586	CAWA-10-25715	STSL
Martin Spring	—	01/18/12	WG	UF	CS	FD	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.815	—	—	0.10	µg/L	—	—	12-611	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.671	—	—	0.10	µg/L	—	—	12-611	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.257	—	—	0.10	µg/L	J	J	11-3608	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.811	—	—	0.10	µg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.477	—	—	0.10	µg/L	—	—	10-4587	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	188	—	—	1.00	µg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	192	—	—	1.00	µg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	151	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	165	—	—	1.00	µg/L	—	—	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	186	—	—	1.00	µg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	178	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	174	—	—	1.00	µg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	184	—	—	1.00	µg/L	—	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	1260	—	—	15.00	µg/L	—	—	12-612	CAWA-12-2078	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Martin Spring	—	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	1290	—	—	15.00	µg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	1240	—	—	15.00	µg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	1320	—	—	15.00	µg/L	—	—	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	1440	—	—	15.00	µg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	1280	—	—	15.00	µg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	1350	—	—	15.00	µg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	1360	—	—	15.00	µg/L	—	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.47	—	—	3.00	µg/L	J	J	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.32	—	—	3.00	µg/L	J	J	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.23	—	—	3.00	µg/L	J	J	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00	µg/L	U	U	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	32.7	—	—	30.00	µg/L	J	J	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	509	—	—	30.00	µg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	41.2	—	—	30.00	µg/L	J	J	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	102	—	—	30.00	µg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	2160	—	—	30.00	µg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	295	—	—	30.00	µg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	837	—	—	30.00	µg/L	—	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	4.26	—	—	2.00	µg/L	J	J	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.56	—	—	2.00	µg/L	J	J	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.52	—	—	2.00	µg/L	J	J	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00	µg/L	U	U	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2.24	—	—	2.00	µg/L	J	U	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	32.2	—	—	2.00	µg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.64	—	—	2.00	µg/L	J	J	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	8.7	—	—	2.00	µg/L	J	U	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	3.15	—	—	0.17	µg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.21	—	—	0.17	µg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.97	—	—	0.17	µg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.3	—	—	0.17	µg/L	—	—	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.87	—	—	0.10	µg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.85	—	—	0.17	µg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.48	—	—	0.17	µg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.75	—	—	0.10	µg/L	—	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	0.641	—	—	0.50	µg/L	J	J	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.728	—	—	0.50	µg/L	J	J	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.01	—	—	0.50	µg/L	J	J	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.2	—	—	0.50	µg/L	J	U	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.887	—	—	0.50	µg/L	J	J	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	0.50	µg/L	J	J	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.37	—	—	0.50	µg/L	J	U	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.08	—	—	0.50	µg/L	J	J	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Metals	SW-846:6020	Selenium	—	1.56	—	—	1.50	µg/L	J	J	12-612	CAWA-12-2078	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.50	µg/L	U	U	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.50	µg/L	U	U	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00	µg/L	U	U	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.50	µg/L	U	U	11-3609	CAWA-11-27055	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Martin Spring	—	04/05/11	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.50	µg/L	U	U	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00	µg/L	U	U	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	49.5	—	—	0.05	mg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	50.5	—	—	0.05	mg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.9	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.1	—	—	0.05	mg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	10/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	45.3	—	—	0.05	mg/L	—	—	10-166	CAWA-09-13713	GELC
Martin Spring	—	03/24/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	43.5	—	—	0.03	mg/L	—	—	09-1278	CAWA-09-5536	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	152	—	—	1.00	µg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	155	—	—	1.00	µg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	121	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	143	—	—	1.00	µg/L	—	—	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	147	—	—	1.00	µg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	129	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	146	—	—	1.00	µg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	141	—	—	1.00	µg/L	—	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	2.32	—	—	0.07	µg/L	—	—	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.43	—	—	0.07	µg/L	—	—	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.21	—	—	0.07	µg/L	—	—	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.88	—	—	0.07	µg/L	—	—	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.32	—	—	0.05	µg/L	—	—	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.58	—	—	0.07	µg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.35	—	—	0.07	µg/L	—	—	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.12	—	—	0.05	µg/L	—	—	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	3.25	—	—	1.00	µg/L	J	J	12-612	CAWA-12-2078	GELC
Martin Spring	—	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.32	—	—	1.00	µg/L	J	J	12-612	CAWA-12-1931	GELC
Martin Spring	—	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.55	—	—	1.00	µg/L	J	J	11-3609	CAWA-11-27053	GELC
Martin Spring	—	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.32	—	—	1.00	µg/L	J	J	11-1934	CAWA-11-5410	GELC
Martin Spring	—	09/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.29	—	—	1.00	µg/L	J	J	10-4588	CAWA-10-25717	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.05	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.8	—	—	1.00	µg/L	J	J	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.72	—	—	1.00	µg/L	J	J	10-4588	CAWA-10-25715	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-2.2E-09	0.00	0.04	—	pCi/L	U	U	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0072	0.00	0.05	—	pCi/L	U	U	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00538	0.00	0.03	—	pCi/L	U	U	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0102	0.00	0.05	—	pCi/L	U	U	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0048	0.00	0.04	—	pCi/L	U	U	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-2.08	0.53	5.10	—	pCi/L	U	U	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.2	0.47	5.60	—	pCi/L	U	U	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.935	0.43	4.00	—	pCi/L	U	U	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.454	0.50	4.90	—	pCi/L	U	U	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.865	0.40	3.60	—	pCi/L	U	U	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	1.75	0.53	6.70	—	pCi/L	U	U	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.57	0.50	5.80	—	pCi/L	U	U	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.12	0.50	5.20	—	pCi/L	U	U	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.621	0.53	5.40	—	pCi/L	U	U	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.43	0.47	5.20	—	pCi/L	U	U	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	—	4.22	0.47	2.30	—	pCi/L	—	—	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.48	0.47	2.50	—	pCi/L	—	—	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.43	0.40	2.50	—	pCi/L	—	U	11-3609	CAWA-11-27055	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.01	0.31	2.20	—	pCi/L	U	U	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.45	0.28	2.20	—	pCi/L	—	U	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	7.68	0.43	2.50	—	pCi/L	—	—	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.64	0.33	2.30	—	pCi/L	—	—	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.29	0.37	2.40	—	pCi/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.37	0.37	3.00	—	pCi/L	—	—	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4	0.40	3.20	—	pCi/L	—	—	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-6.18	1.03	10.00	—	pCi/L	U	U	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.392	0.93	9.80	—	pCi/L	U	U	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.87	0.97	8.60	—	pCi/L	U	U	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.03	0.93	8.70	—	pCi/L	U	U	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.8	3.67	33.00	—	pCi/L	U	U	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.00147	0.00	0.03	—	pCi/L	U	U	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00223	0.00	0.04	—	pCi/L	U	U	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00278	0.00	0.03	—	pCi/L	U	U	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00273	0.00	0.03	—	pCi/L	U	U	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0128	0.00	0.04	—	pCi/L	U	U	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.0162	0.00	0.02	—	pCi/L	U	U	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0067	0.00	0.03	—	pCi/L	U	U	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0111	0.00	0.05	—	pCi/L	U	U	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0191	0.00	0.05	—	pCi/L	U	U	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00212	0.00	0.03	—	pCi/L	U	U	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	17.4	7.33	86.00	—	pCi/L	U	U	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.46	5.67	67.00	—	pCi/L	U	U	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.2	7.67	80.00	—	pCi/L	U	U	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.45	6.00	61.00	—	pCi/L	U	U	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	19.3	6.00	66.00	—	pCi/L	U	U	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-1.49	0.60	6.10	—	pCi/L	U	U	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.819	0.47	5.20	—	pCi/L	U	U	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.26	0.50	5.40	—	pCi/L	U	U	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.65	0.53	3.90	—	pCi/L	U	U	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.41	0.53	5.50	—	pCi/L	U	U	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.14	0.05	0.49	—	pCi/L	U	U	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0685	0.05	0.49	—	pCi/L	U	U	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.287	0.04	0.49	—	pCi/L	U	U	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.12	0.04	0.49	—	pCi/L	U	U	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.37	0.04	0.46	—	pCi/L	U	U	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	2.05	0.05	0.04	—	pCi/L	—	—	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	2.14	0.06	0.05	—	pCi/L	—	—	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.708	0.03	0.08	—	pCi/L	—	—	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.32	0.04	0.08	—	pCi/L	—	—	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.19	0.03	0.07	—	pCi/L	—	—	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	—	0.086	0.01	0.04	—	pCi/L	—	—	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0518	0.01	0.05	—	pCi/L	—	—	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.041	0.01	0.05	—	pCi/L	U	U	11-3609	CAWA-11-27055	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0641	0.01	0.04	—	pCi/L	—	—	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0812	0.01	0.04	—	pCi/L	—	—	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	1.42	0.04	0.04	—	pCi/L	—	—	12-614	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	1.42	0.04	0.05	—	pCi/L	—	—	12-614	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.477	0.02	0.07	—	pCi/L	—	—	11-3609	CAWA-11-27055	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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
Martin Spring	—	09/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.881	0.03	0.03	—	pCi/L	—	—	10-4589	CAWA-10-25715	GELC
Martin Spring	—	10/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.859	0.02	0.05	—	pCi/L	—	—	10-166	CAWA-09-13712	GELC
Martin Spring	—	01/18/12	WG	UF	CS	FD	VOA	SW-846:8260B	Trichloroethene	—	0.48	—	—	0.25	µg/L	J	J	12-611	CAWA-12-2079	GELC
Martin Spring	—	01/18/12	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.46	—	—	0.25	µg/L	J	J	12-611	CAWA-12-1930	GELC
Martin Spring	—	09/15/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.26	—	—	0.25	µg/L	J	J	11-3608	CAWA-11-27055	GELC
Martin Spring	—	04/05/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.42	—	—	0.25	µg/L	J	J	11-1934	CAWA-11-5411	GELC
Martin Spring	—	09/14/10	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.31	—	—	0.25	µg/L	J	J	10-4587	CAWA-10-25715	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52	—	—	0.73	mg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.7	—	—	0.73	mg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	51.9	—	—	0.73	mg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	0.73	mg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.2	—	—	0.73	mg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	0.05	mg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.6	—	—	0.05	mg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	0.05	mg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	0.05	mg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	0.05	mg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.78	—	—	0.05	mg/L	—	—	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.6	—	—	0.05	mg/L	—	—	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.77	—	—	0.05	mg/L	—	—	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.96	—	—	0.05	mg/L	—	—	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.37	—	—	0.07	mg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.29	—	—	0.07	mg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.39	—	—	0.07	mg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.38	—	—	0.07	mg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.17	—	—	0.07	mg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.136	—	—	0.03	mg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.118	—	—	0.03	mg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.126	—	—	0.03	mg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.121	—	—	0.03	mg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.111	—	—	0.03	mg/L	—	J-	10-2422	CAPA-10-12806	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.6	—	—	0.45	mg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.5	—	—	0.45	mg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.5	—	—	0.45	mg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.1	—	—	0.35	mg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.1	—	—	0.35	mg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	38.2	—	—	0.45	mg/L	—	—	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	41.1	—	—	0.45	mg/L	—	—	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	37.8	—	—	0.35	mg/L	—	—	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	38.6	—	—	0.35	mg/L	—	—	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.48	—	—	0.11	mg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	0.11	mg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.41	—	—	0.11	mg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.31	—	—	0.09	mg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	0.09	mg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.33	—	—	0.11	mg/L	—	—	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	0.11	mg/L	—	—	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.25	—	—	0.09	mg/L	—	—	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.33	—	—	0.09	mg/L	—	—	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.715	—	—	0.05	mg/L	—	J+	12-601	CAPA-12-2039	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-18	1358	09/07/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.665	—	—	0.05	mg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.621	—	—	0.10	mg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.7	—	—	0.05	mg/L	—	J	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.625	—	—	0.05	mg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.239	—	—	0.05	µg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.237	—	—	0.05	µg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.233	—	—	0.05	µg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.241	—	—	0.05	µg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.216	—	—	0.05	µg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.54	—	—	0.05	mg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.15	—	—	0.05	mg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	0.05	mg/L	—	J	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	0.05	mg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.17	—	—	0.05	mg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.07	—	—	0.05	mg/L	—	—	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	0.05	mg/L	—	J	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.16	—	—	0.05	mg/L	—	—	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.19	—	—	0.05	mg/L	—	—	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.15	—	—	0.10	mg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.16	—	—	0.10	mg/L	—	J	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.67	—	—	0.10	mg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.65	—	—	0.10	mg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.88	—	—	0.10	mg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.36	—	—	0.10	mg/L	—	J	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.07	—	—	0.10	mg/L	—	—	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.44	—	—	0.10	mg/L	—	—	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.81	—	—	0.10	mg/L	—	—	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	108	—	—	1.00	µS/cm	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	112	—	—	1.00	µS/cm	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	112	—	—	1.00	µS/cm	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	113	—	—	1.00	µS/cm	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	113	—	—	1.00	µS/cm	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.07	—	—	0.10	mg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.97	—	—	0.10	mg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.09	—	—	0.10	mg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2	—	—	0.10	mg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.9	—	—	0.10	mg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	121	—	—	3.40	mg/L	—	J	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	109	—	—	3.40	mg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	113	—	—	2.40	mg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	113	—	—	2.40	mg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	118	—	—	2.40	mg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.0649	—	—	0.04	mg/L	J	J	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	0.04	mg/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	0.04	mg/L	U	U	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	0.03	mg/L	U	U	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	0.03	mg/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.54	—	—	0.33	mg/L	J	J	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.475	—	—	0.33	mg/L	J	J	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.586	—	—	0.33	mg/L	J	J	11-2159	CAPA-11-9292	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-18	1358	10/21/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.628	—	—	0.33	mg/L	J	J	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.804	—	—	0.33	mg/L	J	J	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	0.01	SU	H	J-	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.73	—	—	0.01	SU	H	J-	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.74	—	—	0.01	SU	H	J-	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	0.01	SU	H	J-	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.78	—	—	0.01	SU	H	J-	10-2422	CAPA-10-12806	GELC
R-18	1358	01/17/12	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	1.02	—	—	0.10	µg/L	—	—	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	1.01	—	—	0.10	µg/L	—	—	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	1.18	—	—	0.10	µg/L	—	—	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.8	—	—	0.10	µg/L	—	—	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.893	—	—	0.10	µg/L	H	J-	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.5	—	—	1.00	µg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.5	—	—	1.00	µg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.9	—	—	1.00	µg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.3	—	—	1.00	µg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.2	—	—	1.00	µg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.9	—	—	1.00	µg/L	—	—	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.6	—	—	1.00	µg/L	—	—	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.8	—	—	1.00	µg/L	—	—	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.8	—	—	1.00	µg/L	—	—	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	47.3	—	—	30.00	µg/L	J	J	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30.00	µg/L	U	U	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30.00	µg/L	U	U	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30.00	µg/L	U	U	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30.00	µg/L	U	U	10-2422	CAPA-10-12806	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30.00	µg/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30.00	µg/L	U	U	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30.00	µg/L	U	U	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30.00	µg/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.479	—	—	0.17	µg/L	J	J	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.456	—	—	0.17	µg/L	J	J	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.462	—	—	0.17	µg/L	J	J	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.473	—	—	0.10	µg/L	J	U	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.495	—	—	0.10	µg/L	J	J	10-2422	CAPA-10-12806	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.522	—	—	0.17	µg/L	—	—	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.498	—	—	0.17	µg/L	J	J	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.477	—	—	0.10	µg/L	J	U	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.508	—	—	0.10	µg/L	—	—	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.8	—	—	0.05	mg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.2	—	—	0.05	mg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57.3	—	—	0.05	mg/L	—	J+	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.3	—	—	0.05	mg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.5	—	—	0.05	mg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	01/17/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.3	—	—	1.00	µg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.1	—	—	1.00	µg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.7	—	—	1.00	µg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.4	—	—	1.00	µg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.8	—	—	1.00	µg/L	—	—	10-2422	CAPA-10-12806	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.2	—	—	1.00	µg/L	—	—	11-3464	CAWA-11-27164	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-18	1358	04/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.6	—	—	1.00	µg/L	—	—	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.9	—	—	1.00	µg/L	—	—	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.5	—	—	1.00	µg/L	—	—	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.392	—	—	0.07	µg/L	—	—	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.441	—	—	0.07	µg/L	—	—	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.427	—	—	0.07	µg/L	—	—	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.364	—	—	0.05	µg/L	—	—	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.475	—	—	0.05	µg/L	N	J+	10-2422	CAPA-10-12806	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.46	—	—	0.07	µg/L	—	—	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.431	—	—	0.07	µg/L	—	—	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.365	—	—	0.05	µg/L	—	—	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.494	—	—	0.05	µg/L	N	J+	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.06	—	—	1.00	µg/L	J	J	12-601	CAPA-12-2039	GELC
R-18	1358	09/07/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.25	—	—	1.00	µg/L	J	J	11-3464	CAWA-11-27166	GELC
R-18	1358	04/22/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.58	—	—	1.00	µg/L	J	J	11-2159	CAPA-11-9293	GELC
R-18	1358	10/21/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.81	—	—	1.00	µg/L	J	J	11-237	CAPA-10-27417	GELC
R-18	1358	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.9	—	—	1.00	µg/L	J	J	10-2422	CAPA-10-12806	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.03	—	—	1.00	µg/L	J	J	11-3464	CAWA-11-27164	GELC
R-18	1358	04/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.65	—	—	1.00	µg/L	J	J	11-2159	CAPA-11-9292	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.44	—	—	1.00	µg/L	J	J	11-237	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.84	—	—	1.00	µg/L	J	J	10-2422	CAPA-10-12807	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0	0.00	0.04	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00891	0.00	0.04	—	pCi/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00492	0.00	0.03	—	pCi/L	U	U	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00145	0.00	0.03	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0106	0.00	0.05	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.847	0.43	5.00	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.2	0.57	5.80	—	pCi/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.09	0.37	3.80	—	pCi/L	U	U	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.96	0.53	5.10	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.277	0.37	3.60	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.08	0.43	4.20	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.443	0.57	5.80	—	pCi/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.035	0.40	3.90	—	pCi/L	U	U	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.57	0.47	5.00	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0214	0.37	3.80	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	05/28/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-1.07	0.21	2.60	—	pCi/L	U	U	09-2077	CAPA-09-9403	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.309	0.18	2.00	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.776	0.10	0.91	—	pCi/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.16	0.33	2.80	—	pCi/L	U	U	11-236	CAPA-10-27415	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.287	0.17	2.00	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	05/28/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.67	0.28	2.60	—	pCi/L	U	U	09-2077	CAPA-09-9404	GELC
R-18	1358	05/28/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.11	0.21	2.10	—	pCi/L	U	U	09-2077	CAPA-09-9403	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.12	0.27	2.40	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.43	0.28	2.40	—	pCi/L	—	J-	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6.19	0.40	2.70	—	pCi/L	—	—	11-236	CAPA-10-27415	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.18	0.23	2.20	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	05/28/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.01	0.21	2.00	—	pCi/L	U	U	09-2077	CAPA-09-9404	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.22	0.93	9.90	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.822	1.10	11.00	—	pCi/L	U	U	11-3464	CAWA-11-27164	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-18	1358	10/21/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.15	0.83	8.40	—	pCi/L	U	U	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.4	3.33	32.00	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	34.4	3.67	35.00	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.000702	0.00	0.05	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00687	0.00	0.02	—	pCi/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00218	0.00	0.03	—	pCi/L	U	U	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0127	0.00	0.04	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00759	0.00	0.04	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.000351	0.00	0.04	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00458	0.00	0.04	—	pCi/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.00	0.04	—	pCi/L	U	U	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.00	0.03	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-1.2E-09	0.00	0.04	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.8	4.67	52.00	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-33.7	8.33	84.00	—	pCi/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.66	5.67	61.00	—	pCi/L	U	U	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.8	6.00	64.00	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-18	6.33	61.00	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.02	0.08	0.38	—	pCi/L	—	—	12-601	CAPA-12-2038	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.236	0.05	0.55	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.215	0.05	0.48	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	09/17/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.195	0.06	0.63	—	pCi/L	U	U	08-1980	CAPA-08-15040	GELC
R-18	1358	03/07/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.157	0.04	0.40	—	pCi/L	U	U	08-768	CAPA-08-11037	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.306	0.09	0.89	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0234	0.06	0.63	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.424	0.10	0.97	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	09/17/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.27	0.05	0.52	—	pCi/L	U	U	08-1980	CAPA-08-15040	GELC
R-18	1358	03/07/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.574	0.07	0.53	—	pCi/L	—	U	08-768	CAPA-08-11037	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.29	0.50	5.00	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.715	0.60	5.60	—	pCi/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.189	0.37	3.70	—	pCi/L	U	U	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.424	0.50	5.00	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.654	0.40	3.70	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0777	0.05	0.49	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.19	0.04	0.49	—	pCi/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0962	0.05	0.49	—	pCi/L	U	U	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.2	0.04	0.48	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.579	0.05	0.37	—	pCi/L	—	—	09-3216	CAPA-09-12168	GELC
R-18	1358	09/14/09	WG	UF	RE	—	Rad	EPA:905.0	Strontium-90	<	-0.251	0.04	0.49	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.22	0.01	0.06	—	pCi/L	—	—	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.207	0.01	0.04	—	pCi/L	—	—	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.251	0.01	0.05	—	pCi/L	—	—	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.26	0.01	0.03	—	pCi/L	—	—	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.216	0.01	0.11	—	pCi/L	—	—	09-3216	CAPA-09-12168	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.00	0.06	—	pCi/L	U	U	12-601	CAPA-12-2038	GELC
R-18	1358	09/07/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.00	0.03	—	pCi/L	U	U	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0166	0.00	0.04	—	pCi/L	U	U	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0113	0.00	0.02	—	pCi/L	U	U	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00392	0.00	0.06	—	pCi/L	U	U	09-3216	CAPA-09-12168	GELC
R-18	1358	01/17/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.171	0.01	0.05	—	pCi/L	—	—	12-601	CAPA-12-2038	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-18	1358	09/07/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.149	0.01	0.03	—	pCi/L	—	—	11-3464	CAWA-11-27164	GELC
R-18	1358	10/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.142	0.01	0.03	—	pCi/L	—	—	11-236	CAPA-10-27415	GELC
R-18	1358	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.151	0.01	0.02	—	pCi/L	—	—	10-2422	CAPA-10-12807	GELC
R-18	1358	09/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.165	0.01	0.07	—	pCi/L	—	—	09-3216	CAPA-09-12168	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.3	—	—	0.73	mg/L	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.4	—	—	0.73	mg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.8	—	—	0.73	mg/L	—	—	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.6	—	—	0.73	mg/L	—	—	10-4684	CAWA-10-25798	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.11	—	—	0.07	mg/L	J	J	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.101	—	—	0.07	mg/L	J	J	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	10-4684	CAWA-10-25798	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	0.05	mg/L	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	0.05	mg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.4	—	—	0.05	mg/L	—	—	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.9	—	—	0.05	mg/L	—	—	10-4684	CAWA-10-25798	GELC
R-25	754.8	03/31/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	0.03	mg/L	—	—	09-1338	CAWA-09-5595	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	0.05	mg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	0.05	mg/L	—	—	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.5	—	—	0.05	mg/L	—	—	10-4684	CAWA-10-25800	GELC
R-25	754.8	03/31/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	0.03	mg/L	—	—	09-1338	CAWA-09-5594	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	12.1	—	—	0.07	mg/L	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	12.5	—	—	0.07	mg/L	—	J+	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	11.8	—	—	0.07	mg/L	—	J	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	11.6	—	—	0.07	mg/L	—	J+	10-4684	CAWA-10-25798	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.125	—	—	0.03	mg/L	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.115	—	—	0.03	mg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.151	—	—	0.03	mg/L	—	—	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.093	—	—	0.03	mg/L	J	J	10-4684	CAWA-10-25798	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67.9	—	—	0.45	mg/L	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	68.4	—	—	0.45	mg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.9	—	—	0.45	mg/L	—	—	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.5	—	—	0.35	mg/L	—	—	10-4684	CAWA-10-25798	GELC
R-25	754.8	03/31/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.1	—	—	0.35	mg/L	—	—	09-1338	CAWA-09-5595	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	69.1	—	—	0.45	mg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	67.3	—	—	0.45	mg/L	—	—	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.6	—	—	0.35	mg/L	—	—	10-4684	CAWA-10-25800	GELC
R-25	754.8	03/31/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	66.3	—	—	0.35	mg/L	—	—	09-1338	CAWA-09-5594	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.26	—	—	0.11	mg/L	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.22	—	—	0.11	mg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.04	—	—	0.11	mg/L	—	—	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.63	—	—	0.09	mg/L	—	—	10-4684	CAWA-10-25798	GELC
R-25	754.8	03/31/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.96	—	—	0.09	mg/L	—	—	09-1338	CAWA-09-5595	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.3	—	—	0.11	mg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.17	—	—	0.11	mg/L	—	—	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.81	—	—	0.09	mg/L	—	—	10-4684	CAWA-10-25800	GELC
R-25	754.8	03/31/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.24	—	—	0.09	mg/L	—	—	09-1338	CAWA-09-5594	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.19	—	—	0.05	mg/L	—	J	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.01	—	—	0.05	mg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.09	—	—	0.05	mg/L	—	—	11-2667	CAWA-11-13984	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	754.8	09/21/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.04	—	—	0.05	mg/L	—	—	10-4684	CAWA-10-25798	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.56	—	—	0.05	µg/L	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.584	—	—	0.05	µg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.533	—	—	0.05	µg/L	—	—	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.566	—	—	0.05	µg/L	—	J+	10-4684	CAWA-10-25798	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.61	—	—	0.05	mg/L	—	J	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	0.05	mg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	0.05	mg/L	—	J	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	0.05	mg/L	—	—	10-4684	CAWA-10-25798	GELC
R-25	754.8	03/31/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	0.05	mg/L	—	—	09-1338	CAWA-09-5595	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.38	—	—	0.05	mg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	0.05	mg/L	—	—	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	0.05	mg/L	—	—	10-4684	CAWA-10-25800	GELC
R-25	754.8	03/31/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	0.05	mg/L	—	—	09-1338	CAWA-09-5594	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	0.10	mg/L	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	0.10	mg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	0.10	mg/L	—	—	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.89	—	—	0.10	mg/L	—	—	10-4684	CAWA-10-25798	GELC
R-25	754.8	03/31/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	0.05	mg/L	—	—	09-1338	CAWA-09-5595	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	0.10	mg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	0.10	mg/L	—	—	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.82	—	—	0.10	mg/L	—	—	10-4684	CAWA-10-25800	GELC
R-25	754.8	03/31/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	0.05	mg/L	—	—	09-1338	CAWA-09-5594	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	188	—	—	1.00	µS/cm	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	185	—	—	1.00	µS/cm	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	186	—	—	1.00	µS/cm	—	—	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	181	—	—	1.00	µS/cm	—	—	10-4684	CAWA-10-25798	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.94	—	—	0.10	mg/L	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.3	—	—	0.10	mg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.07	—	—	0.10	mg/L	—	—	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.39	—	—	0.10	mg/L	—	—	10-4684	CAWA-10-25798	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	3.40	mg/L	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	3.40	mg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	2.40	mg/L	—	—	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.40	mg/L	—	—	10-4684	CAWA-10-25798	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.751	—	—	0.33	mg/L	J	J	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.05	—	—	0.33	mg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.796	—	—	0.33	mg/L	J	J	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.11	—	—	0.33	mg/L	—	—	10-4683	CAWA-10-25800	GELC
R-25	754.8	03/31/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.89	—	—	0.33	mg/L	J	J	09-1338	CAWA-09-5594	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.26	—	—	0.01	SU	H	J-	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.17	—	—	0.01	SU	H	J-	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.64	—	—	0.01	SU	H	J-	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	5.71	—	—	0.01	SU	H	J-	10-4684	CAWA-10-25798	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	2.22	—	—	0.10	µg/L	—	—	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	2.7	—	—	0.10	µg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	2.76	—	—	0.10	µg/L	—	—	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	DL	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	2.32	—	—	0.10	µg/L	—	—	10-4683	CAWA-10-25800	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	1.74	—	—	0.10	µg/L	—	—	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	2.6	—	—	0.10	µg/L	—	—	11-3523	CAWA-11-27108	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	754.8	06/14/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	3.05	—	—	0.10	µg/L	—	—	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	DL	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	2.4	—	—	0.10	µg/L	—	—	10-4683	CAWA-10-25800	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	HEXP	SW-846:8321A	Dinitrotoluene[2,4-]	—	0.538	—	—	0.10	µg/L	—	—	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	HEXP	SW-846:8321A	Dinitrotoluene[2,4-]	—	0.713	—	—	0.10	µg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	HEXP	SW-846:8321A	Dinitrotoluene[2,4-]	—	0.57	—	—	0.10	µg/L	—	—	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	DL	—	HEXP	SW-846:8321A	Dinitrotoluene[2,4-]	—	0.698	—	—	0.10	µg/L	—	—	10-4683	CAWA-10-25800	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	2.93	—	—	0.10	µg/L	—	—	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	3.69	—	—	0.10	µg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	4.2	—	—	0.10	µg/L	—	J	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	DL	—	HEXP	SW-846:8321A	HMX	—	4.37	—	—	0.10	µg/L	—	J	10-4683	CAWA-10-25800	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.18	—	—	0.09	µg/L	JP	J	12-572	CAWA-12-2004	STSL
R-25	754.8	09/09/11	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.17	—	—	0.09	µg/L	J	J	11-3522	CAWA-11-27108	STSL
R-25	754.8	06/14/11	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.24	—	—	0.09	µg/L	J	J	11-2666	CAWA-11-13983	STSL
R-25	754.8	09/21/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.17	—	—	0.09	µg/L	P	J	10-4682	CAWA-10-25800	STSL
R-25	754.8	01/11/12	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	30.8	—	—	0.52	µg/L	—	—	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	27.9	—	—	0.52	µg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	38	—	—	0.52	µg/L	—	J	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	26.2	—	—	0.52	µg/L	—	J	10-4683	CAWA-10-25800	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.58	—	—	0.08	µg/L	P	—	12-572	CAWA-12-2004	STSL
R-25	754.8	09/09/11	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.49	—	—	0.08	µg/L	J	J	11-3522	CAWA-11-27108	STSL
R-25	754.8	06/14/11	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.68	—	—	0.08	µg/L	P	—	11-2666	CAWA-11-13983	STSL
R-25	754.8	09/21/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.47	—	—	0.08	µg/L	P	J	10-4682	CAWA-10-25800	STSL
R-25	754.8	01/11/12	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	1.01	—	—	0.10	µg/L	—	—	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	1.04	—	—	0.10	µg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.959	—	—	0.10	µg/L	—	—	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	DL	—	HEXP	SW-846:8321A	Trinitrobenzene[1,3,5-]	—	0.862	—	—	0.10	µg/L	—	—	10-4683	CAWA-10-25800	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrotoluene[2,4,6-]	—	8.58	—	—	0.10	µg/L	—	J	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrotoluene[2,4,6-]	—	8.56	—	—	0.10	µg/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrotoluene[2,4,6-]	—	7.75	—	—	0.10	µg/L	—	J	11-2667	CAWA-11-13983	GELC
R-25	754.8	09/21/10	WG	UF	DL	—	HEXP	SW-846:8321A	Trinitrotoluene[2,4,6-]	—	8.08	—	—	0.10	µg/L	—	—	10-4683	CAWA-10-25800	GELC
R-25	754.8	01/11/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	50.7	—	—	0.05	mg/L	—	—	12-571	CAWA-12-2005	GELC
R-25	754.8	09/09/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	51.8	—	—	0.05	mg/L	—	—	11-3523	CAWA-11-27106	GELC
R-25	754.8	06/14/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	50.1	—	—	0.05	mg/L	—	—	11-2667	CAWA-11-13984	GELC
R-25	754.8	09/21/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.5	—	—	0.05	mg/L	—	—	10-4684	CAWA-10-25798	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00474	0.01	0.05	—	pCi/L	U	U	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.022	0.01	0.05	—	pCi/L	U	U	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00182	0.00	0.04	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00951	0.00	0.03	—	pCi/L	U	U	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0033	0.00	0.03	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0295	0.01	0.03	—	pCi/L	U	U	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0221	0.00	0.05	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0486	0.43	4.20	—	pCi/L	U	U	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.159	0.22	2.34	—	pCi/L	U	U	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.62	0.53	5.50	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.18	0.57	6.00	—	pCi/L	U	U	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.219	0.53	5.20	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.07	0.43	4.40	—	pCi/L	U	U	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.17	0.36	3.11	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.31	0.47	3.50	—	pCi/L	U	U	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.13	0.20	2.46	—	pCi/L	U	U	142482	GF0508G25R101	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	754.8	01/11/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.03	0.43	4.80	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.382	0.47	4.60	—	pCi/L	U	U	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0144	0.43	4.40	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.41	0.40	3.10	—	pCi/L	U	U	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.22	0.35	4.17	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.45	0.16	1.68	—	pCi/L	U	U	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.996	0.24	2.20	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.47	0.23	1.70	—	pCi/L	U	UJ	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.613	0.18	2.00	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.574	0.11	1.24	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	09/01/04	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.205	0.11	1.08	—	pCi/L	U	U	120735	GU0408G25R101	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.98	0.21	2.39	—	pCi/L	U	U	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.882	0.29	3.00	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.73	0.30	2.50	—	pCi/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.59	0.24	2.20	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.38	0.23	2.59	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	09/01/04	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.05	0.23	2.24	—	pCi/L	U	U	120735	GU0408G25R101	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.17	3.00	31.00	—	pCi/L	U	U	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.27	1.78	18.60	—	pCi/L	U	U	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.216	0.87	9.30	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.83	1.10	10.00	—	pCi/L	U	U	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.371	1.07	10.00	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.69	3.23	34.00	—	pCi/L	U	U	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.04	2.67	27.70	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0051	0.00	0.03	—	pCi/L	U	U	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0166	0.00	0.06	—	pCi/L	U	U	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00524	0.00	0.03	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0111	0.00	0.03	—	pCi/L	U	U	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.02	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.03	—	pCi/L	U	U	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0026	0.00	0.05	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0034	0.00	0.03	—	pCi/L	U	U	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0083	0.00	0.05	—	pCi/L	U	U	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00698	0.00	0.03	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00552	0.00	0.05	—	pCi/L	U	U	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00478	0.00	0.03	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00526	0.00	0.03	—	pCi/L	U	U	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00519	0.00	0.05	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	28.3	6.67	79.00	—	pCi/L	U	U	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	1.26	3.87	21.00	—	pCi/L	U	U	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	24.9	5.33	68.00	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	30.7	8.00	87.00	—	pCi/L	U	U	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.2	7.00	69.00	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	43.8	6.67	79.00	—	pCi/L	U	U	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	11.7	3.87	44.40	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.58	0.43	4.00	—	pCi/L	U	U	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.2	0.22	2.42	—	pCi/L	U	U	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.564	0.40	5.00	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.109	0.50	5.00	—	pCi/L	U	U	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.23	0.43	4.70	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	754.8	10/22/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.332	0.40	3.60	—	pCi/L	U	U	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.263	0.29	3.24	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0426	0.04	0.48	—	pCi/L	U	U	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.148	0.04	0.38	—	pCi/L	U	U	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.193	0.05	0.48	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00239	0.04	0.48	—	pCi/L	U	U	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.255	0.05	0.47	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0252	0.04	0.49	—	pCi/L	U	U	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0922	0.02	0.26	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.429	0.01	0.06	—	pCi/L	—	—	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.466	0.02	0.10	—	pCi/L	—	JN+	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.408	0.02	0.05	—	pCi/L	—	—	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.448	0.02	0.05	—	pCi/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.391	0.01	0.07	—	pCi/L	—	—	10-4684	CAWA-10-25800	GELC
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.475	0.01	0.07	—	pCi/L	—	—	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.476	0.02	0.13	—	pCi/L	—	JN+	142482	GU0508G25R101	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0297	0.00	0.03	—	pCi/L	U	U	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0353	0.00	0.07	—	pCi/L	U	U	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0155	0.00	0.04	—	pCi/L	U	U	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0036	0.00	0.04	—	pCi/L	U	U	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00685	0.00	0.04	—	pCi/L	U	U	10-4684	CAWA-10-25800	GELC
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0169	0.00	0.04	—	pCi/L	U	U	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0862	0.01	0.09	—	pCi/L	U	U	142482	GU0508G25R101	GELC
R-25	754.8	10/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.297	0.01	0.03	—	pCi/L	—	—	09-169	CAWA-08-16015	GELC
R-25	754.8	08/02/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.286	0.01	0.07	—	pCi/L	—	—	142482	GF0508G25R101	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.254	0.01	0.04	—	pCi/L	—	—	12-571	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.3	0.01	0.05	—	pCi/L	—	—	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.255	0.01	0.03	—	pCi/L	—	—	10-4684	CAWA-10-25800	GELC
R-25	754.8	10/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.303	0.01	0.04	—	pCi/L	—	—	09-169	CAWA-08-16016	GELC
R-25	754.8	08/02/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.291	0.01	0.09	—	pCi/L	—	—	142482	GU0508G25R101	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	SVOA	SW-846:8270C	Dinitrotoluene[2,4-]	<	10.3	—	—	3.10	µg/L	U	U	11-3523	CAWA-11-27108	GELC
R-25	754.8	09/21/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dinitrotoluene[2,4-]	<	11.1	—	—	2.20	µg/L	U	U	10-4683	CAWA-10-25800	GELC
R-25	754.8	01/11/12	WG	UF	CS	EQB	VOA	SW-846:8260B	Acetone	—	4.25	—	—	3.50	µg/L	J	J	12-570	CAWA-12-2006	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50	µg/L	U	UJ	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50	µg/L	U	U	11-2667	CAWA-11-13983	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	—	0.38	—	—	0.30	µg/L	J	J	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	<	1	—	—	0.30	µg/L	U	UJ	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	VOA	SW-846:8260B	Chloromethane	<	1	—	—	0.30	µg/L	U	U	11-2667	CAWA-11-13983	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.32	—	—	0.25	µg/L	J	J	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.31	—	—	0.25	µg/L	J	J	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.34	—	—	0.25	µg/L	J	J	11-2667	CAWA-11-13983	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	0.54	—	—	0.30	µg/L	J	J	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	0.74	—	—	0.30	µg/L	J	J	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	0.69	—	—	0.30	µg/L	J	J	11-2667	CAWA-11-13983	GELC
R-25	754.8	01/11/12	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.5	—	—	0.25	µg/L	J	J	12-570	CAWA-12-2004	GELC
R-25	754.8	09/09/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.77	—	—	0.25	µg/L	J	J	11-3523	CAWA-11-27108	GELC
R-25	754.8	06/14/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.82	—	—	0.25	µg/L	J	J	11-2667	CAWA-11-13983	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.7	—	—	0.73	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.4	—	—	1.45	mg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.1	—	—	0.73	mg/L	—	—	499S	GW25-02-0004	GEL

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	146	—	—	1.45	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	194	—	—	1.45	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	193	—	—	1.45	mg/L	—	—	65141	GU0207G25R201	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.134	—	—	0.02	mg/L	—	J	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.151	—	—	0.01	mg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.05	—	—	0.02	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.024	—	—	0.02	mg/L	U	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.024	—	—	0.02	mg/L	U	—	65558	GU0207G25R201	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.216	—	—	0.07	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.095	—	—	0.04	mg/L	J	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.1	—	—	0.02	mg/L	U	U	499S	GW25-02-0004	GEL
R-25	891.8	08/14/01	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	—	mg/L	U	U	9581R	GW25-01-0020	PARA
R-25	891.8	05/04/01	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	—	mg/L	U	U	8746R	GW25-01-0004	PARA
R-25	891.8	05/04/01	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.02	—	—	—	mg/L	U	U	8747R	GW25-01-0004	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	0.05	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	0.04	mg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.59	—	—	0.04	mg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	0.04	mg/L	—	—	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	0.01	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10	—	—	0.01	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	0.01	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	0.04	mg/L	—	—	499S	GW25-02-0003	GEL
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	25.3	—	—	0.13	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	13.4	—	—	0.05	mg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	9.89	—	—	0.03	mg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	13	—	—	0.03	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	10.7	—	—	0.03	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	EPA:300.0	Chloride	—	10.7	—	—	0.03	mg/L	—	—	65558	GU0207G25R201	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.102	—	—	0.03	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.03	—	—	0.03	mg/L	U	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.074	—	—	0.01	mg/L	J	J	499S	GW25-02-0004	GEL
R-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.0553	—	—	0.06	mg/L	U	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.0553	—	—	0.06	mg/L	U	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	EPA:300.0	Fluoride	<	0.0553	—	—	0.06	mg/L	U	—	65558	GU0207G25R201	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	34.6	—	—	0.45	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	0.09	mg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36.5	—	—	0.09	mg/L	—	—	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	EPA:200.7	Hardness	—	33.1	—	—	0.01	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	EPA:200.7	Hardness	—	32.1	—	—	0.01	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.57	—	—	0.11	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.38	—	—	0.09	mg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.5	—	—	0.00	mg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.58	—	—	0.09	mg/L	—	—	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.44	—	—	0.01	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.71	—	—	0.01	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	SW-846:6010B	Magnesium	—	1.72	—	—	0.01	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.3	—	—	0.00	mg/L	—	—	499S	GW25-02-0003	GEL
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.172	—	—	0.05	mg/L	J	J+	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.083	—	—	0.02	mg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	<	0.05	—	—	0.01	mg/L	U	U	499S	GW25-02-0004	GEL

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	<	0.01	—	—	0.01	mg/L	U	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	<	0.03	—	—	0.01	mg/L	J	U	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.03	—	—	0.01	mg/L	J	—	65558	GU0207G25R201	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.281	—	—	0.05	µg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	06/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.163	—	—	0.05	µg/L	J	J	11-2676	CAWA-11-13990	GELC
R-25	891.8	09/21/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.0866	—	—	0.05	µg/L	J	J+	10-4684	CAWA-10-25812	GELC
R-25	891.8	04/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.168	—	—	0.05	µg/L	J	J	10-2685	CAWA-10-15243	GELC
R-25	891.8	10/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.0649	—	—	0.05	µg/L	J	J	10-170	CAWA-09-14197	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.946	—	—	0.05	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.32	—	—	0.05	mg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.99	—	—	0.01	mg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.47	—	—	0.05	mg/L	—	—	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.09	—	—	0.02	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.27	—	—	0.02	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	SW-846:6010B	Potassium	—	3.32	—	—	0.02	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.19	—	—	0.01	mg/L	—	—	499S	GW25-02-0003	GEL
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	53.6	—	—	0.03	mg/L	—	J	142609	GF0508G25R201	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	58.5	—	—	0.03	mg/L	—	J	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	51.2	—	—	0.02	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	47.5	—	—	0.02	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	48.4	—	—	0.02	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	0.10	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	36.9	—	—	0.05	mg/L	—	J	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	108	—	—	0.02	mg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.1	—	—	0.05	mg/L	—	J	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	102	—	—	0.01	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	112	—	—	0.01	mg/L	E	J	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	SW-846:6010B	Sodium	—	114	—	—	0.01	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	110	—	—	0.02	mg/L	—	—	499S	GW25-02-0003	GEL
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	221	—	—	1.00	µS/cm	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13.7	—	—	0.10	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.79	—	—	0.06	mg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.6	—	—	0.06	mg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.94	—	—	0.19	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.63	—	—	0.19	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	EPA:300.0	Sulfate	—	9.49	—	—	0.19	mg/L	—	—	65558	GU0207G25R201	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	167	—	—	3.40	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	202	—	—	2.38	mg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	12/10/03	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	335	—	—	3.07	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	376	—	—	3.07	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	F	DUP	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	370	—	—	3.07	mg/L	—	—	65141	GU0207G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.85	—	—	0.33	mg/L	—	—	12-582	CAWA-12-1970	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.43	—	—	0.03	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.7	—	—	0.03	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.65	—	—	0.03	mg/L	—	—	65016	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.94	—	—	0.04	mg/L	—	—	496S	GW25-02-0003	GEL
R-25	891.8	08/14/01	WG	UF	CS	—	Geninorg	EPA:415.1	Total Organic Carbon	—	2.2	—	—	—	mg/L	—	—	9578R	GW25-01-0019	PARA
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.665	—	—	0.02	mg/L	—	J	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	7.38	—	—	0.05	mg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	18.1	—	—	0.19	mg/L	—	—	499S	GW25-02-0004	GEL

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	891.8	12/10/03	WG	UF	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	15.2	—	—	0.11	mg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	10.5	—	—	0.28	mg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	9.75	—	—	0.28	mg/L	—	—	65558	GU0207G25R201	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.52	—	—	0.01	SU	H	J-	12-584	CAWA-12-1969	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	0.553	—	—	0.10	µg/L	—	—	12-582	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	1.45	—	—	0.10	µg/L	—	—	11-3557	CAWA-11-27141	GELC
R-25	891.8	06/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	0.283	—	—	0.10	µg/L	J	J	11-2677	CAWA-11-13989	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	1.07	—	—	0.10	µg/L	—	—	10-4683	CAWA-10-25814	GELC
R-25	891.8	04/06/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	0.29	—	—	0.10	µg/L	J	J	10-2685	CAWA-10-15241	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.267	—	—	0.10	µg/L	J	J	12-582	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.825	—	—	0.10	µg/L	—	—	11-3557	CAWA-11-27141	GELC
R-25	891.8	06/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.185	—	—	0.10	µg/L	J	J	11-2677	CAWA-11-13989	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.504	—	—	0.10	µg/L	—	—	10-4683	CAWA-10-25814	GELC
R-25	891.8	04/06/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-4,6-dinitrotoluene[2-]	—	0.106	—	—	0.10	µg/L	J	J	10-2685	CAWA-10-15241	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	4.42	—	—	0.10	µg/L	—	—	12-582	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	4.81	—	—	0.10	µg/L	—	—	11-3557	CAWA-11-27141	GELC
R-25	891.8	06/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	3.22	—	—	0.10	µg/L	—	J	11-2677	CAWA-11-13989	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	4.98	—	—	0.10	µg/L	—	J	10-4683	CAWA-10-25814	GELC
R-25	891.8	04/06/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	3.15	—	—	0.10	µg/L	—	J	10-2685	CAWA-10-15241	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.27	—	—	0.09	µg/L	JP	J	12-583	CAWA-12-1970	STSL
R-25	891.8	09/12/11	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.25	—	—	0.09	µg/L	J	J	11-3555	CAWA-11-27141	STSL
R-25	891.8	06/15/11	WG	UF	CS	—	HEXP	SW-846:8330	MNX	<	0.69	—	—	0.09	µg/L	P	U	11-2679	CAWA-11-13989	STSL
R-25	891.8	09/21/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	<	0.23	—	—	0.09	µg/L	J	U	10-4682	CAWA-10-25814	STSL
R-25	891.8	04/06/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	<	0.5	—	—	0.09	µg/L	U	U	10-2684	CAWA-10-15241	STSL
R-25	891.8	01/12/12	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	17.5	—	—	0.26	µg/L	—	—	12-582	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	19.4	—	—	0.26	µg/L	—	—	11-3557	CAWA-11-27141	GELC
R-25	891.8	06/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	11.8	—	—	0.10	µg/L	—	J	11-2677	CAWA-11-13989	GELC
R-25	891.8	09/21/10	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	18.5	—	—	0.26	µg/L	—	J	10-4683	CAWA-10-25814	GELC
R-25	891.8	04/06/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	8.77	—	—	0.10	µg/L	—	J	10-2685	CAWA-10-15241	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.11	—	—	0.08	µg/L	JP	J	12-583	CAWA-12-1970	STSL
R-25	891.8	09/12/11	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.15	—	—	0.08	µg/L	J	J	11-3555	CAWA-11-27141	STSL
R-25	891.8	06/15/11	WG	UF	CS	—	HEXP	SW-846:8330	TNX	<	0.11	—	—	0.08	µg/L	P	U	11-2679	CAWA-11-13989	STSL
R-25	891.8	09/21/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.19	—	—	0.08	µg/L	J	J	10-4682	CAWA-10-25814	STSL
R-25	891.8	04/06/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	<	0.5	—	—	0.08	µg/L	U	U	10-2684	CAWA-10-15241	STSL
R-25	891.8	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	167	—	—	15.00	µg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	245	—	—	10.00	µg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	559	—	—	3.00	µg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	307	—	—	10.00	µg/L	—	—	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	431	—	—	4.88	µg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	579	—	—	4.88	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Metals	SW-846:6010B	Boron	—	583	—	—	4.88	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	551	—	—	3.00	µg/L	—	—	499S	GW25-02-0003	GEL
R-25	891.8	01/12/12	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	19.1	—	—	2.00	µg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Metals	SW-846:6010B	Chromium	—	1.9	—	—	1.00	µg/L	J	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Metals	SW-846:6010B	Chromium	—	1.53	—	—	0.78	µg/L	B	J	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	70.5	—	—	1.00	µg/L	—	—	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	35.5	—	—	0.50	µg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	11	—	—	0.50	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Metals	SW-846:6010B	Chromium	—	12.5	—	—	0.50	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	22.7	—	—	0.78	µg/L	—	—	499S	GW25-02-0003	GEL

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	891.8	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	36.8	—	—	1.00	µg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	7.2	—	—	1.00	µg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	0.54	—	—	0.30	µg/L	B	U	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	7	—	—	1.00	µg/L	—	—	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	0.952	—	—	0.54	µg/L	B	U	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	0.919	—	—	0.54	µg/L	B	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Metals	SW-846:6010B	Cobalt	—	0.922	—	—	0.54	µg/L	B	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	0.709	—	—	0.30	µg/L	B	U	499S	GW25-02-0003	GEL
R-25	891.8	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	20900	—	—	30.00	µg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	2310	—	—	18.00	µg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	117	—	—	21.00	µg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	4370	—	—	18.00	µg/L	—	—	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	1570	—	—	12.60	µg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	635	—	—	12.60	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Metals	SW-846:6010B	Iron	—	657	—	—	12.60	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	1810	—	—	21.00	µg/L	—	—	499S	GW25-02-0003	GEL
R-25	891.8	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	686	—	—	2.00	µg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	150	—	—	2.00	µg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Metals	SW-846:6020	Manganese	—	19.4	—	—	—	µg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	156	—	—	2.00	µg/L	—	—	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	47.5	—	—	0.30	µg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	31.5	—	—	0.30	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Metals	SW-846:6010B	Manganese	—	31.8	—	—	0.30	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Metals	SW-846:6020	Manganese	—	43	—	—	—	µg/L	—	—	499S	GW25-02-0003	GEL
R-25	891.8	01/12/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.78	—	—	0.17	µg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	7.1	—	—	2.00	µg/L	J	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	21	—	—	—	µg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	9.7	—	—	2.00	µg/L	J	—	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	16.7	—	—	1.43	µg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	20.5	—	—	1.43	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Metals	SW-846:6010B	Molybdenum	—	20.5	—	—	1.43	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	23	—	—	—	µg/L	—	—	499S	GW25-02-0003	GEL
R-25	891.8	01/12/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3730	—	—	50.00	µg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	520	—	—	0.50	µg/L	—	J	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Metals	SW-846:6010B	Nickel	—	7.63	—	—	0.74	µg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	537	—	—	0.50	µg/L	—	J	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	—	126	—	—	0.69	µg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	—	10.3	—	—	0.69	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Metals	SW-846:6010B	Nickel	—	11.7	—	—	0.69	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	—	24.1	—	—	0.74	µg/L	—	—	499S	GW25-02-0003	GEL
R-25	891.8	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.2	—	—	0.05	mg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	36.5	—	—	1.00	µg/L	—	—	12-584	CAWA-12-1969	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.2	—	—	1.00	µg/L	—	—	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	35.6	—	—	0.17	µg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00	µg/L	—	—	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	42.8	—	—	0.18	µg/L	—	—	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	39.4	—	—	0.18	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Metals	SW-846:6010B	Strontium	—	39.3	—	—	0.18	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.6	—	—	0.17	µg/L	—	—	499S	GW25-02-0003	GEL
R-25	891.8	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.44	—	—	3.30	µg/L	J	J	12-584	CAWA-12-1969	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	891.8	08/03/05	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	9.5	—	—	2.00	µg/L	J	U	142609	GF0508G25R201	GELC
R-25	891.8	02/05/02	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.01	—	—	2.80	µg/L	—	—	499S	GW25-02-0004	GEL
R-25	891.8	08/03/05	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20.5	—	—	2.00	µg/L	—	J+	142609	GU0508G25R201	GELC
R-25	891.8	12/10/03	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	7.62	—	—	0.88	µg/L	—	U	103685	GU0312G25R201	GELC
R-25	891.8	08/08/02	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.55	—	—	0.88	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	08/08/02	WG	UF	DUP	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	0.88	µg/L	—	—	65206	GU0207G25R201	GELC
R-25	891.8	02/05/02	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	22	—	—	2.80	µg/L	—	—	499S	GW25-02-0003	GEL
R-25	891.8	08/03/05	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00369	0.00	0.04	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00233	0.00	0.05	—	pCi/L	U	U	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00955	0.00	0.03	—	pCi/L	U	U	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00778	0.00	0.05	—	pCi/L	U	U	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00236	0.00	0.03	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0063	0.00	0.04	—	pCi/L	U	U	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0115	0.30	3.29	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.86	0.53	6.00	—	pCi/L	U	U	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.18	0.67	6.40	—	pCi/L	U	U	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.347	0.47	4.50	—	pCi/L	U	U	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.495	0.47	4.50	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.788	0.30	3.00	—	pCi/L	U	U	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.653	0.31	3.70	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.6	0.47	6.10	—	pCi/L	U	U	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.32	0.67	6.90	—	pCi/L	U	U	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.49	0.43	4.70	—	pCi/L	U	U	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.579	0.43	4.20	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.9	0.31	3.89	—	pCi/L	U	U	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.83	0.16	1.75	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.22	0.24	2.10	—	pCi/L	U	U	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	6.92	0.57	2.00	—	pCi/L	—	J-	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.28	0.47	2.10	—	pCi/L	—	—	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.355	0.24	2.90	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.46	0.18	1.88	—	pCi/L	U	U	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	EPA:900	Gross beta	<	0.924	0.23	2.75	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.02	0.30	2.60	—	pCi/L	—	—	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.52	0.43	2.30	—	pCi/L	—	—	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.41	0.37	2.60	—	pCi/L	—	—	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.69	0.27	2.60	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.92	0.30	3.24	—	pCi/L	—	J	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.1	2.77	28.30	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.93	0.90	9.40	—	pCi/L	U	U	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.875	0.90	8.90	—	pCi/L	U	U	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.44	0.83	7.80	—	pCi/L	U	U	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5	4.00	36.00	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-9.09	2.31	22.60	—	pCi/L	U	U	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00327	0.01	0.07	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0138	0.00	0.05	—	pCi/L	U	U	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.013	0.00	0.02	—	pCi/L	U	U	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00341	0.00	0.02	—	pCi/L	U	U	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00193	0.00	0.03	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0155	0.00	0.07	—	pCi/L	U	U	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.062	0.01	0.06	—	pCi/L	U	U	142609	GF0508G25R201	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	891.8	01/12/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00557	0.00	0.04	—	pCi/L	U	U	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.00	0.04	—	pCi/L	U	U	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00341	0.00	0.03	—	pCi/L	U	U	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0116	0.00	0.03	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.059	0.00	0.05	—	pCi/L	—	J	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	28.2	3.70	46.70	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	28.7	5.00	66.00	—	pCi/L	U	U	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	26.8	5.67	63.00	—	pCi/L	U	U	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-24.2	5.67	53.00	—	pCi/L	U	U	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-22.3	5.67	48.00	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	40.2	6.57	27.90	—	pCi/L	UI	R	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.231	0.41	3.89	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.459	0.47	5.40	—	pCi/L	U	U	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.04	0.57	6.30	—	pCi/L	U	U	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.396	0.40	3.70	—	pCi/L	U	U	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.8	0.50	5.40	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.336	0.30	3.26	—	pCi/L	U	U	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0208	0.02	0.23	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.29	0.05	0.50	—	pCi/L	U	U	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.136	0.05	0.49	—	pCi/L	U	U	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0579	0.04	0.44	—	pCi/L	U	U	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0478	0.04	0.47	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0623	0.03	0.28	—	pCi/L	U	U	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0683	0.01	0.10	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.286	0.01	0.03	—	pCi/L	—	—	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.267	0.01	0.07	—	pCi/L	—	—	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.171	0.01	0.07	—	pCi/L	—	—	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0258	0.01	0.09	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.126	0.01	0.09	—	pCi/L	—	J	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00804	0.00	0.08	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0138	0.00	0.03	—	pCi/L	U	U	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00474	0.00	0.05	—	pCi/L	U	U	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.00	0.04	—	pCi/L	U	U	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00646	0.00	0.05	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0259	0.00	0.07	—	pCi/L	U	U	142609	GU0508G25R201	GELC
R-25	891.8	08/03/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0195	0.00	0.07	—	pCi/L	U	U	142609	GF0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.191	0.01	0.02	—	pCi/L	—	—	12-584	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.146	0.01	0.06	—	pCi/L	—	—	11-3558	CAWA-11-27141	GELC
R-25	891.8	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.158	0.01	0.03	—	pCi/L	—	—	10-4684	CAWA-10-25814	GELC
R-25	891.8	10/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0157	0.00	0.06	—	pCi/L	U	U	10-170	CAWA-09-14195	GELC
R-25	891.8	08/03/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.102	0.01	0.07	—	pCi/L	—	J	142609	GU0508G25R201	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.56	—	—	0.25	µg/L	J	J	12-582	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.55	—	—	0.25	µg/L	J	J	11-3557	CAWA-11-27141	GELC
R-25	891.8	06/15/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.82	—	—	0.25	µg/L	J	J	11-2677	CAWA-11-13989	GELC
R-25	891.8	01/12/12	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.45	—	—	0.25	µg/L	J	J	12-582	CAWA-12-1970	GELC
R-25	891.8	09/12/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	1.18	—	—	0.25	µg/L	—	—	11-3557	CAWA-11-27141	GELC
R-25	891.8	06/15/11	WG	UF	CS	—	VOA	SW-846:8260B	Trichloroethene	—	0.45	—	—	0.25	µg/L	J	J	11-2677	CAWA-11-13989	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	0.73	mg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.6	—	—	0.73	mg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.5	—	—	0.73	mg/L	—	—	11-2676	CAWA-11-13987	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.4	—	—	0.73	mg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.6	—	—	0.73	mg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.13	—	—	0.07	mg/L	J	J	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0795	—	—	0.07	mg/L	J	J	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.122	—	—	0.07	mg/L	J	J	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.101	—	—	0.07	mg/L	J	J	10-2697	CAWA-10-15185	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.2	—	—	0.05	mg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.5	—	—	0.05	mg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.8	—	—	0.05	mg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.7	—	—	0.05	mg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	32.7	—	—	0.05	mg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.4	—	—	0.05	mg/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.8	—	—	0.05	mg/L	—	—	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.2	—	—	0.05	mg/L	—	—	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	0.05	mg/L	—	—	10-2697	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.26	—	—	0.07	mg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.49	—	—	0.07	mg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	10	—	—	0.07	mg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.13	—	—	0.07	mg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	9.24	—	—	0.07	mg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.12	—	—	0.03	mg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.107	—	—	0.03	mg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.125	—	—	0.03	mg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.0899	—	—	0.03	mg/L	J	J	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.108	—	—	0.03	mg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	96	—	—	0.45	mg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	91.7	—	—	0.45	mg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	103	—	—	0.45	mg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.8	—	—	0.35	mg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	100	—	—	0.35	mg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	93.1	—	—	0.45	mg/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.3	—	—	0.45	mg/L	—	—	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.4	—	—	0.35	mg/L	—	—	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	77.7	—	—	0.35	mg/L	—	—	10-2697	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.61	—	—	0.11	mg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.02	—	—	0.11	mg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.88	—	—	0.11	mg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.26	—	—	0.09	mg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.46	—	—	0.09	mg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.39	—	—	0.11	mg/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.97	—	—	0.11	mg/L	—	—	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.36	—	—	0.09	mg/L	—	—	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.17	—	—	0.09	mg/L	—	—	10-2697	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.07	—	—	0.05	mg/L	—	J+	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.377	—	—	0.05	mg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.05	—	—	0.01	mg/L	U	UJ	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.93	—	—	0.05	mg/L	—	J	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	0.05	mg/L	U	U	10-2697	CAWA-10-15185	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.502	—	—	0.05	µg/L	—	—	12-584	CAWA-12-1974	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.405	—	—	0.05	µg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.0521	—	—	0.05	µg/L	J	J	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.53	—	—	0.05	µg/L	—	J+	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.08	—	—	0.05	µg/L	J	J	10-2697	CAWA-10-15185	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.789	—	—	0.05	mg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.736	—	—	0.05	mg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.635	—	—	0.05	mg/L	—	J	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.698	—	—	0.05	mg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.575	—	—	0.05	mg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.752	—	—	0.05	mg/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.658	—	—	0.05	mg/L	—	J	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.716	—	—	0.05	mg/L	—	—	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.948	—	—	0.05	mg/L	—	—	10-2697	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.69	—	—	0.10	mg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.22	—	—	0.10	mg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	6.44	—	—	0.10	mg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.71	—	—	0.10	mg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	7.24	—	—	0.10	mg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	0.10	mg/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.5	—	—	0.10	mg/L	—	—	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.89	—	—	0.10	mg/L	—	—	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.68	—	—	0.10	mg/L	—	—	10-2697	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	233	—	—	1.00	µS/cm	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	226	—	—	1.00	µS/cm	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	247	—	—	1.00	µS/cm	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	203	—	—	1.00	µS/cm	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	220	—	—	1.00	µS/cm	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	33.3	—	—	0.10	mg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	26.6	—	—	0.10	mg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	34.2	—	—	0.10	mg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.6	—	—	0.10	mg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	20.8	—	—	0.10	mg/L	—	J+	10-2697	CAWA-10-15185	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	181	—	—	3.40	mg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	3.40	mg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	192	—	—	2.40	mg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40	mg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	178	—	—	2.40	mg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.737	—	—	0.33	mg/L	J	J	12-582	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.771	—	—	0.33	mg/L	J	U	11-3557	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.62	—	—	0.33	mg/L	J	J	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.875	—	—	0.33	mg/L	J	J	10-4716	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.928	—	—	0.33	mg/L	J	J	10-2696	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.59	—	—	0.01	SU	H	J-	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.15	—	—	0.01	SU	H	J-	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	0.01	SU	H	J-	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.94	—	—	0.01	SU	H	J-	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.04	—	—	0.01	SU	H	J-	10-2697	CAWA-10-15185	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.115	—	—	0.10	µg/L	J	J	12-582	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	<	0.325	—	—	0.10	µg/L	U	U	11-3557	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.129	—	—	0.10	µg/L	J	J	11-2677	CAWA-11-13986	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1192.4	09/21/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	<	0.325	—	—	0.10	µg/L	U	U	10-4716	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	<	0.325	—	—	0.10	µg/L	U	U	10-2696	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.17	—	—	0.09	µg/L	J	J	12-583	CAWA-12-1973	STSL
R-25	1192.4	09/12/11	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.13	—	—	0.09	µg/L	J	J	11-3555	CAWA-11-27111	STSL
R-25	1192.4	06/15/11	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.34	—	—	0.09	µg/L	J	J	11-2679	CAWA-11-13986	STSL
R-25	1192.4	09/21/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	—	0.2	—	—	0.09	µg/L	J	J	10-4714	CAWA-10-25802	STSL
R-25	1192.4	04/07/10	WG	UF	CS	—	HEXP	SW-846:8330	MNX	<	0.5	—	—	0.09	µg/L	U	U	10-2694	CAWA-10-15187	STSL
R-25	1192.4	01/12/12	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	20.6	—	—	0.26	µg/L	—	—	12-582	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	18.5	—	—	0.26	µg/L	—	—	11-3557	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	26.7	—	—	0.52	µg/L	—	J	11-2677	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	20.6	—	—	0.26	µg/L	—	J	10-4716	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	DL	—	HEXP	SW-846:8321A	RDX	—	15.9	—	—	0.26	µg/L	—	J	10-2696	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.2	—	—	0.08	µg/L	JP	J	12-583	CAWA-12-1973	STSL
R-25	1192.4	09/12/11	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.16	—	—	0.08	µg/L	J	J	11-3555	CAWA-11-27111	STSL
R-25	1192.4	06/15/11	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.13	—	—	0.08	µg/L	P	—	11-2679	CAWA-11-13986	STSL
R-25	1192.4	09/21/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	—	0.13	—	—	0.08	µg/L	J	J	10-4714	CAWA-10-25802	STSL
R-25	1192.4	04/07/10	WG	UF	CS	—	HEXP	SW-846:8330	TNX	<	0.5	—	—	0.08	µg/L	U	U	10-2694	CAWA-10-15187	STSL
R-25	1192.4	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.6	—	—	1.00	µg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.4	—	—	1.00	µg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21	—	—	1.00	µg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.2	—	—	1.00	µg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21	—	—	1.00	µg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.4	—	—	1.00	µg/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.3	—	—	1.00	µg/L	—	—	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.3	—	—	1.00	µg/L	—	—	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.1	—	—	1.00	µg/L	—	—	10-2697	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.8	—	—	15.00	µg/L	J	J	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	30.8	—	—	15.00	µg/L	J	J	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	30.4	—	—	15.00	µg/L	J	J	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27	—	—	15.00	µg/L	J	J	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.6	—	—	15.00	µg/L	J	J	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	32	—	—	15.00	µg/L	J	J	11-3558	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	31.2	—	—	15.00	µg/L	J	J	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.7	—	—	15.00	µg/L	J	J	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.4	—	—	15.00	µg/L	J	J	10-2697	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.397	—	—	0.17	µg/L	J	J	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.414	—	—	0.17	µg/L	J	J	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.545	—	—	0.17	µg/L	—	U	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.37	—	—	0.10	µg/L	J	J	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.577	—	—	0.10	µg/L	—	U	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.53	—	—	0.17	µg/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.39	—	—	0.17	µg/L	J	U	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.405	—	—	0.10	µg/L	J	J	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.623	—	—	0.10	µg/L	—	U	10-2697	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	0.50	µg/L	J	J	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.71	—	—	0.50	µg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.36	—	—	0.50	µg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.8	—	—	0.50	µg/L	J	J	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.42	—	—	0.50	µg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	26.8	—	—	0.50	µg/L	—	—	11-3558	CAWA-11-27111	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1192.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.82	—	—	0.50	µg/L	J	J	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.06	—	—	0.50	µg/L	J	J	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.74	—	—	0.50	µg/L	—	—	10-2697	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.6	—	—	0.05	mg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.2	—	—	0.05	mg/L	—	J+	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	52.2	—	—	0.05	mg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53	—	—	0.05	mg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	52.9	—	—	0.05	mg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	119	—	—	1.00	µg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	123	—	—	1.00	µg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00	µg/L	—	—	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	115	—	—	1.00	µg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00	µg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	124	—	—	1.00	µg/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	115	—	—	1.00	µg/L	—	—	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	117	—	—	1.00	µg/L	—	—	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	113	—	—	1.00	µg/L	—	—	10-2697	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.741	—	—	0.07	µg/L	—	—	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.702	—	—	0.07	µg/L	—	—	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.127	—	—	0.07	µg/L	J	J	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.812	—	—	0.05	µg/L	—	—	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.449	—	—	0.05	µg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.78	—	—	0.07	µg/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.464	—	—	0.07	µg/L	—	—	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.828	—	—	0.05	µg/L	—	—	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.587	—	—	0.05	µg/L	—	—	10-2697	CAWA-10-15187	GELC
R-25	1192.4	01/12/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.42	—	—	3.30	µg/L	J	J	12-584	CAWA-12-1974	GELC
R-25	1192.4	09/12/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.82	—	—	3.30	µg/L	J	J	11-3558	CAWA-11-27109	GELC
R-25	1192.4	06/15/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.25	—	—	3.30	µg/L	J	J	11-2676	CAWA-11-13987	GELC
R-25	1192.4	09/21/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	10-4717	CAWA-10-25805	GELC
R-25	1192.4	04/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.5	—	—	3.30	µg/L	—	—	10-2697	CAWA-10-15185	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	21.9	—	—	3.30	µg/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.01	—	—	3.30	µg/L	J	J	11-2676	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.33	—	—	3.30	µg/L	J	J	10-4717	CAWA-10-25802	GELC
R-25	1192.4	04/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.55	—	—	3.30	µg/L	J	J	10-2697	CAWA-10-15187	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00392	0.00	0.03	—	pCi/L	U	U	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00174	0.00	0.04	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0108	0.00	0.05	—	pCi/L	U	U	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0033	0.00	0.04	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00236	0.00	0.03	—	pCi/L	U	U	10-194	CAWA-09-14157	GELC
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00174	0.00	0.03	—	pCi/L	U	U	09-140	CAWA-08-16050	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.594	0.47	4.30	—	pCi/L	U	U	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.00404	0.57	6.10	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.1	0.50	5.10	—	pCi/L	U	U	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.86	0.47	5.10	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0316	0.24	2.40	—	pCi/L	U	U	10-194	CAWA-09-14157	GELC
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.383	0.40	3.80	—	pCi/L	U	U	09-140	CAWA-08-16050	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.84	0.50	5.30	—	pCi/L	U	U	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.05	0.60	6.50	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.75	0.43	5.00	—	pCi/L	U	U	11-3558	CAWA-11-27111	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1192.4	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.11	0.50	4.60	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.614	0.24	2.50	—	pCi/L	U	U	10-194	CAWA-09-14157	GELC
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.27	0.43	4.10	—	pCi/L	U	U	09-140	CAWA-08-16050	GELC
R-25	1192.4	02/05/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.254	0.09	1.04	—	pCi/L	U	U	180420	GF07010G25R401	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.22	0.14	1.80	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.38	0.24	2.00	—	pCi/L	U	UJ	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.435	0.18	2.10	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.15	0.15	2.10	—	pCi/L	U	U	10-194	CAWA-09-14157	GELC
R-25	1192.4	02/05/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.17	0.18	1.46	—	pCi/L	U	U	180420	GU07010G25R401	GELC
R-25	1192.4	02/05/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	0.0339	0.32	3.41	—	pCi/L	U	U	180420	GF07010G25R401	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.626	0.29	3.00	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.974	0.24	2.40	—	pCi/L	U	U	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.253	0.20	2.40	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.846	0.27	2.90	—	pCi/L	U	U	10-194	CAWA-09-14157	GELC
R-25	1192.4	02/05/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.26	0.32	3.21	—	pCi/L	U	U	180420	GU07010G25R401	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.56	3.17	32.00	—	pCi/L	U	U	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.487	1.00	11.00	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.336	1.07	10.00	—	pCi/L	U	U	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.72	0.90	8.30	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.18	1.73	17.00	—	pCi/L	U	U	10-194	CAWA-09-14157	GELC
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.92	3.03	30.00	—	pCi/L	U	U	09-140	CAWA-08-16050	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.03	—	pCi/L	U	U	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00136	0.00	0.04	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0133	0.00	0.03	—	pCi/L	U	U	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.02	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0107	0.00	0.04	—	pCi/L	U	U	10-194	CAWA-09-14157	GELC
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00326	0.00	0.03	—	pCi/L	U	U	09-140	CAWA-08-16050	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00589	0.00	0.03	—	pCi/L	U	U	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00972	0.00	0.03	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00533	0.00	0.05	—	pCi/L	U	U	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00159	0.00	0.03	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	5E-10	0.00	0.04	—	pCi/L	U	U	10-194	CAWA-09-14157	GELC
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00163	0.00	0.03	—	pCi/L	U	U	09-140	CAWA-08-16050	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	17.8	6.00	67.00	—	pCi/L	U	U	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-25.2	6.33	65.00	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-2.31	6.67	68.00	—	pCi/L	U	U	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.1	6.67	71.00	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	28.7	4.33	24.00	—	pCi/L	—	U	10-194	CAWA-09-14157	GELC
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-15.5	5.00	46.00	—	pCi/L	U	U	09-140	CAWA-08-16050	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.778	0.43	3.80	—	pCi/L	U	U	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.93	0.53	5.60	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.672	0.50	5.20	—	pCi/L	U	U	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.376	0.47	4.50	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.585	0.25	2.30	—	pCi/L	U	U	10-194	CAWA-09-14157	GELC
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.19	0.40	3.80	—	pCi/L	U	U	09-140	CAWA-08-16050	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0101	0.03	0.36	—	pCi/L	U	U	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.256	0.05	0.49	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.15	0.05	0.49	—	pCi/L	U	U	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0141	0.04	0.47	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.403	0.05	0.50	—	pCi/L	U	U	10-194	CAWA-09-14157	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1192.4	10/20/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.077	0.03	0.36	—	pCi/L	U	U	09-140	CAWA-08-16050	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.38	0.02	0.16	—	pCi/L	—	—	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.388	0.01	0.05	—	pCi/L	—	—	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.369	0.02	0.06	—	pCi/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.32	0.01	0.07	—	pCi/L	—	—	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.303	0.02	0.15	—	pCi/L	—	—	10-194	CAWA-09-14157	GELC
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.328	0.01	0.08	—	pCi/L	—	—	09-140	CAWA-08-16050	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0174	0.00	0.09	—	pCi/L	U	U	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00554	0.00	0.03	—	pCi/L	U	U	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.013	0.00	0.05	—	pCi/L	U	U	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0299	0.00	0.04	—	pCi/L	U	U	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00525	0.01	0.08	—	pCi/L	U	U	10-194	CAWA-09-14157	GELC
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0297	0.00	0.04	—	pCi/L	U	U	09-140	CAWA-08-16050	GELC
R-25	1192.4	10/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.15	0.01	0.09	—	pCi/L	—	—	09-140	CAWA-08-16052	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.222	0.01	0.04	—	pCi/L	—	—	12-584	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.241	0.01	0.06	—	pCi/L	—	—	11-3558	CAWA-11-27111	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.183	0.01	0.03	—	pCi/L	—	—	10-4718	CAWA-10-25802	GELC
R-25	1192.4	10/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.187	0.01	0.09	—	pCi/L	—	—	10-194	CAWA-09-14157	GELC
R-25	1192.4	10/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.229	0.01	0.04	—	pCi/L	—	—	09-140	CAWA-08-16050	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	1.03	—	—	0.25	µg/L	—	—	12-582	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	1.2	—	—	0.25	µg/L	—	—	11-3557	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	1.31	—	—	0.25	µg/L	—	—	11-2677	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	1.06	—	—	0.25	µg/L	—	—	10-4716	CAWA-10-25802	GELC
R-25	1192.4	01/12/12	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	0.31	—	—	0.30	µg/L	J	J	12-582	CAWA-12-1973	GELC
R-25	1192.4	09/12/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	1	—	—	0.30	µg/L	—	—	11-3557	CAWA-11-27111	GELC
R-25	1192.4	06/15/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	0.58	—	—	0.30	µg/L	J	J	11-2677	CAWA-11-13986	GELC
R-25	1192.4	09/21/10	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	<	1	—	—	0.30	µg/L	U	U	10-4716	CAWA-10-25802	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.4	—	—	0.05	mg/L	—	—	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.4	—	—	0.05	mg/L	—	—	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.4	—	—	0.05	mg/L	—	—	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.9	—	—	0.05	mg/L	—	—	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.3	—	—	0.05	mg/L	—	—	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.5	—	—	0.05	mg/L	—	—	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	0.05	mg/L	—	—	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.2	—	—	0.45	mg/L	—	—	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.4	—	—	0.45	mg/L	—	—	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77.8	—	—	0.45	mg/L	—	—	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.8	—	—	0.35	mg/L	—	—	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.4	—	—	0.35	mg/L	—	—	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.3	—	—	0.45	mg/L	—	—	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.7	—	—	0.35	mg/L	—	—	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.22	—	—	0.11	mg/L	—	—	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.39	—	—	0.11	mg/L	—	—	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	0.11	mg/L	—	—	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.3	—	—	0.09	mg/L	—	—	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.42	—	—	0.09	mg/L	—	—	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.16	—	—	0.11	mg/L	—	—	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.53	—	—	0.09	mg/L	—	—	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.057	—	—	0.05	mg/L	J	J+	12-593	CAWA-12-1986	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.05	—	—	0.01	mg/L	U	UJ	11-2676	CAWA-11-13997	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1303.4	09/23/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0132	—	—	0.01	mg/L	J	U	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.05	—	—	0.01	mg/L	U	U	09-1429	CAWA-09-5671	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.22	—	—	0.05	mg/L	—	—	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.21	—	—	0.05	mg/L	—	J	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.05	—	—	0.05	mg/L	—	J	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.07	—	—	0.05	mg/L	—	—	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.13	—	—	0.05	mg/L	—	—	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.03	—	—	0.05	mg/L	—	J	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.811	—	—	0.05	mg/L	—	—	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	0.10	mg/L	—	—	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	0.10	mg/L	—	—	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	0.10	mg/L	—	—	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	0.10	mg/L	—	—	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15	—	—	0.10	mg/L	—	—	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	0.10	mg/L	—	—	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.07	—	—	0.10	mg/L	—	—	10-4722	CAWA-10-25846	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	209	—	—	1.00	µS/cm	—	—	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	217	—	—	1.00	µS/cm	—	—	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	208	—	—	1.00	µS/cm	—	—	10-2697	CAWA-10-15215	GELC
R-25	1303.4	01/13/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.25	—	—	0.33	mg/L	—	—	12-591	CAWA-12-1988	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.65	—	—	0.33	mg/L	—	—	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.39	—	—	0.33	mg/L	—	—	10-4722	CAWA-10-25846	GELC
R-25	1303.4	04/01/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.5	—	—	0.33	mg/L	—	J-	08-913	CAWA-08-11714	GELC
R-25	1303.4	10/17/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.22	—	—	0.33	mg/L	—	—	196171	GU07100G25R501	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.91	—	—	0.02	mg/L	—	—	12-593	CAWA-12-1986	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.84	—	—	0.02	mg/L	—	—	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.05	—	—	0.02	mg/L	—	—	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.12	—	—	0.02	mg/L	—	J	09-1429	CAWA-09-5671	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	0.01	SU	H	J-	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.66	—	—	0.01	SU	H	J-	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	0.01	SU	H	J-	10-2697	CAWA-10-15215	GELC
R-25	1303.4	01/13/12	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.174	—	—	0.10	µg/L	J	J	12-591	CAWA-12-1988	GELC
R-25	1303.4	09/19/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.179	—	—	0.10	µg/L	J	J	11-3644	CAWA-11-27151	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.249	—	—	0.10	µg/L	J	J	11-2677	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.235	—	—	0.10	µg/L	J	J	10-4721	CAWA-10-25846	GELC
R-25	1303.4	04/07/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.151	—	—	0.10	µg/L	J	J	10-2696	CAWA-10-15214	GELC
R-25	1303.4	01/13/12	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.208	—	—	0.10	µg/L	J	J	12-591	CAWA-12-1988	GELC
R-25	1303.4	09/19/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.262	—	—	0.10	µg/L	J	J	11-3644	CAWA-11-27151	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.377	—	—	0.10	µg/L	—	J	11-2677	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.245	—	—	0.10	µg/L	J	J	10-4721	CAWA-10-25846	GELC
R-25	1303.4	04/07/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.132	—	—	0.10	µg/L	J	J	10-2696	CAWA-10-15214	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.8	—	—	1.00	µg/L	—	—	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.5	—	—	1.00	µg/L	—	—	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.4	—	—	1.00	µg/L	—	—	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	9.71	—	—	1.00	µg/L	—	—	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	10.9	—	—	1.00	µg/L	—	—	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.6	—	—	1.00	µg/L	—	—	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.7	—	—	1.00	µg/L	—	—	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	38.5	—	—	15.00	µg/L	J	J	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39.5	—	—	15.00	µg/L	J	J	11-3644	CAWA-11-27149	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1303.4	06/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	40.8	—	—	15.00	µg/L	J	J	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	42.9	—	—	15.00	µg/L	J	J	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	49.7	—	—	15.00	µg/L	J	J	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	41.3	—	—	15.00	µg/L	J	J	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	15.00	µg/L	U	U	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.34	—	—	2.00	µg/L	J	J	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.06	—	—	2.00	µg/L	J	J	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.45	—	—	2.00	µg/L	J	J	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.48	—	—	2.00	µg/L	J	J	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.89	—	—	2.00	µg/L	J	J	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.34	—	—	2.00	µg/L	J	J	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00	µg/L	U	U	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.41	—	—	0.17	µg/L	—	—	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.28	—	—	0.17	µg/L	—	—	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.6	—	—	0.17	µg/L	—	J	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.13	—	—	0.10	µg/L	—	—	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.76	—	—	0.10	µg/L	—	—	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.66	—	—	0.17	µg/L	—	J	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.8	—	—	0.10	µg/L	—	—	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.58	—	—	0.50	µg/L	—	—	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	0.50	µg/L	—	—	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.41	—	—	0.50	µg/L	—	—	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.46	—	—	0.50	µg/L	J	J	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.79	—	—	0.50	µg/L	J	J	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.95	—	—	0.50	µg/L	—	—	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	7.37	—	—	0.50	µg/L	—	—	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	173	—	—	1.00	µg/L	—	—	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	177	—	—	1.00	µg/L	—	—	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	172	—	—	1.00	µg/L	—	—	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	174	—	—	1.00	µg/L	—	—	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	176	—	—	1.00	µg/L	—	—	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	174	—	—	1.00	µg/L	—	—	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	78.4	—	—	1.00	µg/L	—	—	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.492	—	—	0.07	µg/L	—	—	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.655	—	—	0.07	µg/L	—	—	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.358	—	—	0.07	µg/L	—	—	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.445	—	—	0.05	µg/L	—	U	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.345	—	—	0.05	µg/L	—	—	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.393	—	—	0.07	µg/L	—	—	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.471	—	—	0.05	µg/L	—	U	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.59	—	—	3.30	µg/L	J	J	12-593	CAWA-12-1986	GELC
R-25	1303.4	09/19/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.52	—	—	3.30	µg/L	J	J	11-3644	CAWA-11-27149	GELC
R-25	1303.4	06/15/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.84	—	—	3.30	µg/L	J	J	11-2676	CAWA-11-13997	GELC
R-25	1303.4	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	10-4722	CAWA-10-25844	GELC
R-25	1303.4	04/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16.3	—	—	3.30	µg/L	—	—	10-2697	CAWA-10-15215	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.94	—	—	3.30	µg/L	J	J	11-2676	CAWA-11-13995	GELC
R-25	1303.4	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	10-4722	CAWA-10-25846	GELC
R-25	1303.4	01/13/12	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.32	—	—	0.25	µg/L	J	J	12-591	CAWA-12-1988	GELC
R-25	1303.4	09/19/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.43	—	—	0.25	µg/L	J	J	11-3644	CAWA-11-27151	GELC
R-25	1303.4	06/15/11	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	—	0.38	—	—	0.25	µg/L	J	J	11-2677	CAWA-11-13995	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1303.4	09/23/10	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	<	1	—	—	0.25	µg/L	U	U	10-4721	CAWA-10-25846	GELC
R-25	1303.4	04/07/10	WG	UF	CS	—	VOA	SW-846:8260B	Methyl tert-Butyl Ether	<	1	—	—	0.25	µg/L	U	U	10-2696	CAWA-10-15214	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63	—	—	0.73	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.4	—	—	0.73	mg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.1	—	—	0.73	mg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.4	—	—	0.73	mg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.1	—	—	0.73	mg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0234	—	—	0.02	mg/L	J	J	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.02	mg/L	U	U	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.02	mg/L	U	U	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.038	—	—	0.02	mg/L	J	U	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.061	—	—	0.02	mg/L	—	U	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	0.05	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	0.05	mg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	0.05	mg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.2	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	0.05	mg/L	—	—	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.82	—	—	0.05	mg/L	—	—	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.34	—	—	0.07	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.27	—	—	0.07	mg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.35	—	—	0.07	mg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.24	—	—	0.07	mg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.22	—	—	0.07	mg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.115	—	—	0.03	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.0832	—	—	0.03	mg/L	J	J	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.0961	—	—	0.03	mg/L	J	J	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.0764	—	—	0.03	mg/L	J	J	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.0837	—	—	0.03	mg/L	J	J	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.1	—	—	0.45	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.9	—	—	0.45	mg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.8	—	—	0.45	mg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.9	—	—	0.35	mg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.4	—	—	0.35	mg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.5	—	—	0.45	mg/L	—	—	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.7	—	—	0.45	mg/L	—	—	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	37.6	—	—	0.35	mg/L	—	—	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.6	—	—	0.35	mg/L	—	—	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	0.11	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	0.11	mg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.5	—	—	0.11	mg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.55	—	—	0.09	mg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.66	—	—	0.09	mg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	0.11	mg/L	—	—	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	0.11	mg/L	—	—	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.18	—	—	0.09	mg/L	—	—	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	0.09	mg/L	—	—	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.401	—	—	0.05	mg/L	—	J+	12-593	CAWA-12-1993	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.299	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.256	—	—	0.05	mg/L	—	J+	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.829	—	—	0.10	mg/L	—	J	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.343	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.247	—	—	0.05	µg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.246	—	—	0.05	µg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.252	—	—	0.05	µg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.234	—	—	0.05	µg/L	—	J+	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.209	—	—	0.05	µg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.11	—	—	0.05	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.864	—	—	0.05	mg/L	—	J	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.798	—	—	0.05	mg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.835	—	—	0.05	mg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.884	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.951	—	—	0.05	mg/L	—	J	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.791	—	—	0.05	mg/L	—	—	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	0.05	mg/L	—	—	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.979	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.29	—	—	0.10	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	7.89	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.3	—	—	0.10	mg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.1	—	—	0.10	mg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.41	—	—	0.10	mg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	7.98	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.57	—	—	0.10	mg/L	—	—	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	0.10	mg/L	—	—	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.19	—	—	0.10	mg/L	—	—	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00	µS/cm	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	137	—	—	1.00	µS/cm	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	132	—	—	1.00	µS/cm	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	136	—	—	1.00	µS/cm	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	132	—	—	1.00	µS/cm	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3	—	—	0.10	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.92	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.16	—	—	0.10	mg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.81	—	—	0.10	mg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.82	—	—	0.10	mg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	3.40	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	3.40	mg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	125	—	—	2.40	mg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	114	—	—	2.40	mg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	2.40	mg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.708	—	—	0.33	mg/L	J	J	12-591	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.559	—	—	0.33	mg/L	J	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	0.33	mg/L	U	U	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.646	—	—	0.33	mg/L	J	J	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.662	—	—	0.33	mg/L	J	J	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.595	—	—	0.02	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.741	—	—	0.02	mg/L	—	J	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.66	—	—	0.02	mg/L	—	J	11-2683	CAWA-11-14001	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.719	—	—	0.02	mg/L	—	J	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.751	—	—	0.02	mg/L	—	J	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	0.01	SU	H	J-	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	0.01	SU	H	J-	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	0.01	SU	H	J-	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	0.01	SU	H	J-	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	0.01	SU	H	J-	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.379	—	—	0.10	µg/L	—	—	12-591	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.361	—	—	0.10	µg/L	—	—	11-3608	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.468	—	—	0.10	µg/L	—	—	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.347	—	—	0.10	µg/L	—	J	10-4721	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	0.372	—	—	0.10	µg/L	—	J	10-2710	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48	—	—	1.00	µg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.3	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	45.6	—	—	1.00	µg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	45	—	—	1.00	µg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	45.4	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.6	—	—	1.00	µg/L	—	—	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.7	—	—	1.00	µg/L	—	—	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.4	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.705	—	—	0.17	µg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.551	—	—	0.17	µg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.573	—	—	0.17	µg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.619	—	—	0.10	µg/L	—	U	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.699	—	—	0.10	µg/L	—	U	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.831	—	—	0.17	µg/L	—	—	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.587	—	—	0.17	µg/L	—	—	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.83	—	—	0.10	µg/L	—	U	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.674	—	—	0.10	µg/L	—	U	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.26	—	—	0.50	µg/L	J	J	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.728	—	—	0.50	µg/L	J	J	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.19	—	—	0.50	µg/L	J	J	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.542	—	—	0.50	µg/L	J	J	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.706	—	—	0.50	µg/L	J	J	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.37	—	—	0.50	µg/L	—	—	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.725	—	—	0.50	µg/L	J	J	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.24	—	—	0.50	µg/L	J	J	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.511	—	—	0.50	µg/L	J	J	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.2	—	—	0.05	mg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55.7	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57.6	—	—	0.05	mg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	56	—	—	0.05	mg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.4	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	78.8	—	—	1.00	µg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	76.4	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.2	—	—	1.00	µg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	78.8	—	—	1.00	µg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	81.7	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	77.8	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27153	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1406.3	06/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	83.4	—	—	1.00	µg/L	—	—	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.2	—	—	1.00	µg/L	—	—	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	88.4	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.513	—	—	0.07	µg/L	—	—	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.553	—	—	0.07	µg/L	—	—	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.59	—	—	0.07	µg/L	—	—	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.682	—	—	0.05	µg/L	—	—	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.564	—	—	0.05	µg/L	—	—	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.58	—	—	0.07	µg/L	—	—	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.568	—	—	0.07	µg/L	—	—	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.687	—	—	0.05	µg/L	—	—	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.608	—	—	0.05	µg/L	—	—	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.57	—	—	1.00	µg/L	J	J	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.29	—	—	1.00	µg/L	J	J	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.63	—	—	1.00	µg/L	J	J	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.83	—	—	1.00	µg/L	J	J	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.41	—	—	1.00	µg/L	J	J	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.88	—	—	1.00	µg/L	J	J	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.09	—	—	1.00	µg/L	J	J	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00	µg/L	—	—	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.48	—	—	1.00	µg/L	J	J	10-2709	CAWA-10-15191	GELC
R-25	1406.3	01/13/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.69	—	—	3.30	µg/L	J	J	12-593	CAWA-12-1993	GELC
R-25	1406.3	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.4	—	—	3.30	µg/L	J	J	11-3609	CAWA-11-27152	GELC
R-25	1406.3	06/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.75	—	—	3.30	µg/L	J	J	11-2683	CAWA-11-14001	GELC
R-25	1406.3	09/22/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	10-4722	CAWA-10-25849	GELC
R-25	1406.3	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	10-2709	CAWA-10-15192	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	17.6	—	—	3.30	µg/L	—	—	11-3609	CAWA-11-27153	GELC
R-25	1406.3	06/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	11-2683	CAWA-11-14000	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	10-4722	CAWA-10-25851	GELC
R-25	1406.3	04/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.48	—	—	3.30	µg/L	J	J	10-2709	CAWA-10-15191	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00321	0.00	0.03	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0054	0.00	0.05	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00643	0.00	0.04	—	pCi/L	U	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00254	0.00	0.04	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00285	0.00	0.03	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0075	0.00	0.04	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.936	0.50	4.42	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0632	0.57	6.20	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.46	0.67	5.60	—	pCi/L	U	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.65	0.73	8.00	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.566	0.25	2.40	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.362	0.35	3.38	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.882	0.40	3.73	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.15	0.60	5.70	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.207	0.70	7.00	—	pCi/L	U	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.24	0.43	4.30	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.191	0.21	2.10	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.27	0.51	3.46	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.563	0.26	2.91	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.12	0.24	2.20	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1406.3	09/15/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.73	0.24	1.30	—	pCi/L	—	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.87	0.15	2.80	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0651	0.15	2.30	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.03	0.28	2.92	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	-0.368	0.25	2.63	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.85	0.29	3.00	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.71	0.19	2.40	—	pCi/L	U	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.93	0.29	2.60	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.136	0.18	2.00	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.09	0.25	2.45	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.16	3.57	33.70	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.19	1.33	14.00	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.72	1.17	12.00	—	pCi/L	U	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.244	1.03	10.00	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.45	2.13	18.00	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-14	3.10	29.40	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00696	0.00	0.03	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0113	0.00	0.04	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0153	0.01	0.04	—	pCi/L	U	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00198	0.00	0.02	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00695	0.00	0.04	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0162	0.00	0.03	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00174	0.00	0.03	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.009	0.00	0.03	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00383	0.00	0.07	—	pCi/L	U	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00593	0.00	0.04	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00231	0.00	0.04	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0018	0.00	0.03	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.6	7.23	66.50	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.14	6.33	72.00	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-41.5	6.33	52.00	—	pCi/L	U	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-15	6.33	64.00	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	8.47	4.00	17.00	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.55	5.90	57.60	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.714	0.53	5.18	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.17	0.60	7.00	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0218	0.50	5.00	—	pCi/L	U	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.756	0.50	5.40	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.05	0.24	2.00	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.341	0.46	4.02	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0551	0.02	0.17	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.17	0.05	0.49	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0753	0.04	0.47	—	pCi/L	U	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0184	0.04	0.47	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0745	0.04	0.49	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.111	0.02	0.26	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.382	0.01	0.05	—	pCi/L	—	—	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.288	0.01	0.04	—	pCi/L	—	—	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.274	0.01	0.07	—	pCi/L	—	—	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.299	0.01	0.07	—	pCi/L	—	—	10-4721	CAWA-10-25851	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1406.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.268	0.02	0.17	—	pCi/L	—	J+	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.346	0.01	0.06	—	pCi/L	—	—	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00869	0.00	0.04	—	pCi/L	U	U	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0105	0.00	0.04	—	pCi/L	U	U	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00442	0.00	0.05	—	pCi/L	U	U	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0167	0.00	0.04	—	pCi/L	U	U	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0114	0.00	0.08	—	pCi/L	U	U	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0246	0.00	0.04	—	pCi/L	U	U	196433	GU07100G25R601	GELC
R-25	1406.3	10/23/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.234	0.01	0.05	—	pCi/L	—	—	196433	GF07100G25R601	GELC
R-25	1406.3	01/13/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.192	0.01	0.04	—	pCi/L	—	—	12-593	CAWA-12-1990	GELC
R-25	1406.3	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.15	0.01	0.06	—	pCi/L	—	—	11-3609	CAWA-11-27153	GELC
R-25	1406.3	09/22/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.194	0.01	0.03	—	pCi/L	—	—	10-4721	CAWA-10-25851	GELC
R-25	1406.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.225	0.01	0.10	—	pCi/L	—	J+	10-194	CAWA-09-14180	GELC
R-25	1406.3	10/23/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.227	0.01	0.05	—	pCi/L	—	—	196433	GU07100G25R601	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.5	—	—	0.73	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.7	—	—	0.73	mg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54	—	—	0.73	mg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.1	—	—	0.73	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.6	—	—	0.73	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0528	—	—	0.02	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.02	mg/L	U	U	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.02	mg/L	U	U	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.017	—	—	0.02	mg/L	J	U	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.032	—	—	0.02	mg/L	J	U	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.6	—	—	0.05	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.71	—	—	0.05	mg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	0.05	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	0.05	mg/L	—	—	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	0.05	mg/L	—	—	10-4757	CAWA-10-25865	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.48	—	—	0.07	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.45	—	—	0.07	mg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.54	—	—	0.07	mg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.42	—	—	0.07	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.41	—	—	0.07	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.19	—	—	0.03	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.157	—	—	0.03	mg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.174	—	—	0.03	mg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.152	—	—	0.03	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.149	—	—	0.03	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.9	—	—	0.45	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	36.9	—	—	0.45	mg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.5	—	—	0.45	mg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38	—	—	0.35	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.1	—	—	0.35	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	37.2	—	—	0.45	mg/L	—	—	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36.9	—	—	0.45	mg/L	—	—	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	37.5	—	—	0.35	mg/L	—	—	10-4757	CAWA-10-25865	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1606	01/17/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.04	—	—	0.11	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.86	—	—	0.11	mg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.73	—	—	0.11	mg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3	—	—	0.09	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3	—	—	0.09	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.89	—	—	0.11	mg/L	—	—	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.86	—	—	0.11	mg/L	—	—	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.94	—	—	0.09	mg/L	—	—	10-4757	CAWA-10-25865	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.381	—	—	0.05	mg/L	—	J+	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.304	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.283	—	—	0.05	mg/L	—	J+	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.309	—	—	0.05	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.354	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.253	—	—	0.05	µg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.272	—	—	0.05	µg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.255	—	—	0.05	µg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.263	—	—	0.05	µg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.218	—	—	0.05	µg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.75	—	—	0.05	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	0.05	mg/L	—	J	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	0.05	mg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	0.05	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	0.05	mg/L	—	J	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	0.05	mg/L	—	—	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	0.05	mg/L	—	—	10-4757	CAWA-10-25865	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.69	—	—	0.10	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.92	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.88	—	—	0.10	mg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.2	—	—	0.10	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.49	—	—	0.10	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.99	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.26	—	—	0.10	mg/L	—	—	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.14	—	—	0.10	mg/L	—	—	10-4757	CAWA-10-25865	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	109	—	—	1.00	µS/cm	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	112	—	—	1.00	µS/cm	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	109	—	—	1.00	µS/cm	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	112	—	—	1.00	µS/cm	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	108	—	—	1.00	µS/cm	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.61	—	—	0.10	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.46	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.64	—	—	0.10	mg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.04	—	—	0.10	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.54	—	—	0.10	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	114	—	—	3.40	mg/L	—	J	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	111	—	—	3.40	mg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	110	—	—	2.40	mg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	106	—	—	2.40	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.405	—	—	0.33	mg/L	J	J	12-596	CAWA-12-1996	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1606	09/14/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.517	—	—	0.33	mg/L	J	U	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	0.33	mg/L	U	U	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.572	—	—	0.33	mg/L	J	J	10-4756	CAWA-10-25865	GELC
R-25	1606	04/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.472	—	—	0.33	mg/L	J	J	10-2709	CAWA-10-15196	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0815	—	—	0.02	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.269	—	—	0.02	mg/L	—	J	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.114	—	—	0.02	mg/L	—	J	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.153	—	—	0.02	mg/L	—	J	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.156	—	—	0.02	mg/L	—	U	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	0.01	SU	H	J-	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.94	—	—	0.01	SU	H	J-	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.97	—	—	0.01	SU	H	J-	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.76	—	—	0.01	SU	H	J-	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	0.01	SU	H	J-	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrotoluene[2,4,6-]	—	0.124	—	—	0.10	µg/L	J	J	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrotoluene[2,4,6-]	—	0.185	—	—	0.10	µg/L	J	J	11-3608	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrotoluene[2,4,6-]	—	0.185	—	—	0.10	µg/L	J	J	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrotoluene[2,4,6-]	—	0.209	—	—	0.10	µg/L	J	J	10-4756	CAWA-10-25865	GELC
R-25	1606	04/08/10	WG	UF	CS	—	HEXP	SW-846:8321A	Trinitrotoluene[2,4,6-]	—	0.166	—	—	0.10	µg/L	J	J	10-2710	CAWA-10-15196	GELC
R-25	1606	01/17/12	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.11	—	—	1.70	µg/L	J	J	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.81	—	—	1.70	µg/L	J	J	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50	µg/L	U	U	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5.63	—	—	1.50	µg/L	—	U	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.83	—	—	1.70	µg/L	J	J	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50	µg/L	U	U	10-4757	CAWA-10-25865	GELC
R-25	1606	01/17/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.1	—	—	1.00	µg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.5	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1.00	µg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.9	—	—	1.00	µg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.5	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.6	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.1	—	—	1.00	µg/L	—	—	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.2	—	—	1.00	µg/L	—	—	10-4757	CAWA-10-25865	GELC
R-25	1606	01/17/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.778	—	—	0.17	µg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.739	—	—	0.17	µg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.739	—	—	0.17	µg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.652	—	—	0.10	µg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.843	—	—	0.10	µg/L	—	U	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.37	—	—	0.17	µg/L	—	—	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.776	—	—	0.17	µg/L	—	—	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.657	—	—	0.10	µg/L	—	—	10-4757	CAWA-10-25865	GELC
R-25	1606	01/17/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.9	—	—	0.05	mg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.9	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.5	—	—	0.05	mg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.3	—	—	0.05	mg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.1	—	—	0.05	mg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	01/17/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.5	—	—	1.00	µg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.2	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27159	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1606	06/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.9	—	—	1.00	µg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57	—	—	1.00	µg/L	—	—	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.5	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54.6	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56.2	—	—	1.00	µg/L	—	—	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56.3	—	—	1.00	µg/L	—	—	10-4757	CAWA-10-25865	GELC
R-25	1606	01/17/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.389	—	—	0.07	µg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.403	—	—	0.07	µg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.389	—	—	0.07	µg/L	—	—	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.563	—	—	0.05	µg/L	—	U	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.388	—	—	0.05	µg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.41	—	—	0.07	µg/L	—	—	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.403	—	—	0.07	µg/L	—	—	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.563	—	—	0.05	µg/L	—	U	10-4757	CAWA-10-25865	GELC
R-25	1606	01/17/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.22	—	—	1.00	µg/L	—	—	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.35	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.45	—	—	1.00	µg/L	J	J	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.88	—	—	1.00	µg/L	J	J	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.01	—	—	1.00	µg/L	—	—	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.83	—	—	1.00	µg/L	J	J	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.19	—	—	1.00	µg/L	J	J	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.94	—	—	1.00	µg/L	J	J	10-4757	CAWA-10-25865	GELC
R-25	1606	01/17/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.02	—	—	3.30	µg/L	J	J	12-596	CAWA-12-1995	GELC
R-25	1606	09/14/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.83	—	—	3.30	µg/L	J	J	11-3609	CAWA-11-27159	GELC
R-25	1606	06/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.69	—	—	3.30	µg/L	J	J	11-2683	CAWA-11-14002	GELC
R-25	1606	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.42	—	—	3.30	µg/L	J	J	10-4757	CAWA-10-25867	GELC
R-25	1606	04/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.86	—	—	3.30	µg/L	J	J	10-2709	CAWA-10-15194	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	22.1	—	—	3.30	µg/L	—	—	11-3609	CAWA-11-27156	GELC
R-25	1606	06/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.9	—	—	3.30	µg/L	J	J	11-2683	CAWA-11-14004	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.09	—	—	3.30	µg/L	J	J	10-4757	CAWA-10-25865	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00314	0.00	0.03	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00614	0.00	0.04	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00231	0.00	0.04	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00185	0.00	0.03	—	pCi/L	U	U	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00473	0.00	0.04	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00926	0.00	0.03	—	pCi/L	U	U	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.35	0.41	4.41	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.349	0.53	5.60	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.924	0.50	4.50	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.354	0.53	5.30	—	pCi/L	U	U	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.233	0.43	4.30	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.526	0.48	4.79	—	pCi/L	U	U	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.49	0.52	5.26	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.739	0.60	6.90	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.269	0.53	5.40	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0629	0.47	4.60	—	pCi/L	U	U	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.849	0.50	4.90	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.626	0.52	5.27	—	pCi/L	U	U	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.44	0.22	1.93	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.47	0.18	2.10	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1606	09/14/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.161	0.18	2.40	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.3	0.31	2.30	—	pCi/L	U	U	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.325	0.18	2.30	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.21	0.19	1.76	—	pCi/L	U	U	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.5	0.28	2.72	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.13	0.29	2.90	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.34	0.29	2.90	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.04	0.43	2.40	—	pCi/L	—	—	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.495	0.23	2.50	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.62	0.30	2.93	—	pCi/L	U	U	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.66	2.94	27.80	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.85	1.10	11.00	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.33	0.97	8.90	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.45	0.87	8.20	—	pCi/L	U	U	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.05	3.67	33.00	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.2	3.29	33.30	—	pCi/L	U	U	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00191	0.00	0.03	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.05	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0174	0.00	0.04	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.02	—	pCi/L	U	U	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00208	0.00	0.03	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00353	0.00	0.03	—	pCi/L	U	U	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00953	0.00	0.03	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0087	0.00	0.04	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0104	0.00	0.07	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.00	0.03	—	pCi/L	U	U	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.00	0.03	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00353	0.00	0.03	—	pCi/L	U	U	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-34.9	5.60	48.50	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13	6.00	66.00	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-27.7	6.00	53.00	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	31.6	7.33	47.00	—	pCi/L	U	U	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	29.7	5.33	37.00	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	51.7	6.27	41.20	—	pCi/L	UI	R	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.79	0.42	3.82	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.11	0.50	4.90	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.858	0.57	5.10	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.212	0.47	4.50	—	pCi/L	U	U	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.57	0.43	3.80	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.327	0.49	4.95	—	pCi/L	U	U	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0879	0.04	0.40	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.176	0.05	0.49	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.214	0.04	0.47	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.207	0.04	0.43	—	pCi/L	U	U	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.215	0.05	0.49	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.218	0.03	0.32	—	pCi/L	U	U	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.253	0.01	0.06	—	pCi/L	—	—	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.237	0.01	0.05	—	pCi/L	—	—	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.181	0.01	0.07	—	pCi/L	—	—	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.253	0.01	0.05	—	pCi/L	—	—	10-4759	CAWA-10-25865	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25	1606	10/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.248	0.02	0.19	—	pCi/L	—	J+	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.244	0.01	0.06	—	pCi/L	—	—	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0162	0.00	0.04	—	pCi/L	U	U	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00389	0.00	0.04	—	pCi/L	U	U	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00904	0.00	0.05	—	pCi/L	U	U	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.019	0.00	0.04	—	pCi/L	U	U	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.00	0.10	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0184	0.00	0.04	—	pCi/L	U	U	196605	GU07100G25R701	GELC
R-25	1606	10/25/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0982	0.01	0.04	—	pCi/L	—	J	196605	GF07100G25R701	GELC
R-25	1606	01/17/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.135	0.01	0.04	—	pCi/L	—	—	12-596	CAWA-12-1996	GELC
R-25	1606	09/14/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.135	0.01	0.06	—	pCi/L	—	—	11-3609	CAWA-11-27156	GELC
R-25	1606	09/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.15	0.01	0.03	—	pCi/L	—	—	10-4759	CAWA-10-25865	GELC
R-25	1606	10/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.101	0.01	0.12	—	pCi/L	U	U	10-218	CAWA-09-14186	GELC
R-25	1606	10/25/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.119	0.01	0.04	—	pCi/L	—	J	196605	GU07100G25R701	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	0.73	mg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.9	—	—	0.73	mg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.7	—	—	0.73	mg/L	H	J-	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.1	—	—	0.73	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.1	—	—	0.73	mg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0178	—	—	0.02	mg/L	J	J	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.02	mg/L	U	U	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0214	—	—	0.02	mg/L	J	J-	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.032	—	—	0.02	mg/L	J	U	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.043	—	—	0.02	mg/L	J	U	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0746	—	—	0.07	mg/L	J	J	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0714	—	—	0.07	mg/L	J	J	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.2	—	—	0.05	mg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	0.05	mg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	0.05	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	0.05	mg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.5	—	—	0.05	mg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	0.05	mg/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2	—	—	0.07	mg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.07	—	—	0.07	mg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.31	—	—	0.07	mg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	0.07	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.1	—	—	0.07	mg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.148	—	—	0.03	mg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.137	—	—	0.03	mg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.174	—	—	0.03	mg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.185	—	—	0.03	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.158	—	—	0.03	mg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.7	—	—	0.45	mg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.1	—	—	0.45	mg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43	—	—	0.45	mg/L	—	—	11-1969	CAWA-11-5338	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25b	750	09/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	0.35	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.5	—	—	0.35	mg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.9	—	—	0.45	mg/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.3	—	—	0.45	mg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.8	—	—	0.35	mg/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.9	—	—	0.11	mg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	0.11	mg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.66	—	—	0.11	mg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.91	—	—	0.09	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	0.09	mg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.98	—	—	0.11	mg/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.17	—	—	0.11	mg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.95	—	—	0.09	mg/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.463	—	—	0.01	mg/L	—	J+	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.69	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.93	—	—	0.05	mg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.74	—	—	0.05	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.715	—	—	0.05	mg/L	—	U	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.294	—	—	0.05	µg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.299	—	—	0.05	µg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.286	—	—	0.05	µg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.306	—	—	0.05	µg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.289	—	—	0.05	µg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	0.05	mg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	0.05	mg/L	—	J	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	0.05	mg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.61	—	—	0.05	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	0.05	mg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.4	—	—	0.05	mg/L	—	J	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	0.05	mg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	0.05	mg/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	0.10	mg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.9	—	—	0.10	mg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.2	—	—	0.10	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.3	—	—	0.10	mg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	0.10	mg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.3	—	—	0.10	mg/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00	µS/cm	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	147	—	—	1.00	µS/cm	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	154	—	—	1.00	µS/cm	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	162	—	—	1.00	µS/cm	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00	µS/cm	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.79	—	—	0.10	mg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.13	—	—	0.10	mg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.1	—	—	0.10	mg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.5	—	—	0.10	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.09	—	—	0.10	mg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	3.40	mg/L	—	—	12-639	CAWA-12-1977	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25b	750	09/15/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	119	—	—	3.40	mg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	126	—	—	2.40	mg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40	mg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.791	—	—	0.33	mg/L	J	J	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.598	—	—	0.33	mg/L	J	U	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.901	—	—	0.33	mg/L	J	J	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.978	—	—	0.33	mg/L	J	J	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.714	—	—	0.33	mg/L	J	J	10-2870	CAWA-10-15174	GELC
R-25b	750	01/23/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.7	—	—	0.01	SU	H	J-	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.62	—	—	0.01	SU	H	J-	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.6	—	—	0.01	SU	H	J-	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.61	—	—	0.01	SU	H	J-	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.61	—	—	0.01	SU	H	J-	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	0.169	—	—	0.10	µg/L	J	J	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	<	0.325	—	—	0.10	µg/L	U	U	11-3608	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	—	0.117	—	—	0.10	µg/L	J	J	11-1968	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	<	0.325	—	—	0.10	µg/L	U	U	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	HEXP	SW-846:8321A	Amino-2,6-dinitrotoluene[4-]	<	0.325	—	—	0.10	µg/L	U	U	10-2870	CAWA-10-15174	GELC
R-25b	750	01/23/12	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.57	—	—	0.10	µg/L	—	—	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.625	—	—	0.10	µg/L	—	—	11-3608	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.656	—	—	0.10	µg/L	—	—	11-1968	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.677	—	—	0.10	µg/L	—	J	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	HEXP	SW-846:8321A	HMX	—	0.463	—	—	0.10	µg/L	—	J	10-2870	CAWA-10-15174	GELC
R-25b	750	01/23/12	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	7.24	—	—	0.10	µg/L	—	—	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	8.16	—	—	0.10	µg/L	—	—	11-3608	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	8.49	—	—	0.10	µg/L	—	—	11-1968	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	6.44	—	—	0.10	µg/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	6.22	—	—	0.10	µg/L	—	J	10-2870	CAWA-10-15174	GELC
R-25b	750	01/23/12	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	4.32	—	—	1.70	µg/L	J	J	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.99	—	—	1.70	µg/L	J	J	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.39	—	—	1.50	µg/L	J	J	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.13	—	—	1.50	µg/L	J	J	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.32	—	—	1.70	µg/L	J	J	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.93	—	—	1.70	µg/L	J	J	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.55	—	—	1.50	µg/L	J	J	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.2	—	—	1.00	µg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.8	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.3	—	—	1.00	µg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.3	—	—	1.00	µg/L	—	J	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.7	—	—	1.00	µg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.9	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.3	—	—	1.00	µg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	17.6	—	—	1.00	µg/L	—	J	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.6	—	—	15.00	µg/L	J	J	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	15.00	µg/L	J	J	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19	—	—	15.00	µg/L	J	J	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	15.00	µg/L	J	J	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.4	—	—	15.00	µg/L	J	J	10-2870	CAWA-10-15176	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25b	750	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.8	—	—	15.00	µg/L	J	J	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.5	—	—	15.00	µg/L	J	J	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.7	—	—	15.00	µg/L	J	J	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	32.5	—	—	30.00	µg/L	J	J-	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30.00	µg/L	U	U	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	117	—	—	30.00	µg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	90	—	—	30.00	µg/L	J	J	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30.00	µg/L	U	U	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	329	—	—	30.00	µg/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	484	—	—	30.00	µg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	583	—	—	30.00	µg/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.8	—	—	0.17	µg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.57	—	—	0.17	µg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5	—	—	0.17	µg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	10.2	—	—	0.10	µg/L	E	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	12.4	—	—	0.10	µg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.38	—	—	0.17	µg/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.41	—	—	0.17	µg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	9.82	—	—	0.10	µg/L	E	—	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	0.50	µg/L	J	J	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	0.50	µg/L	J	J	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.35	—	—	0.50	µg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.46	—	—	0.50	µg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.15	—	—	0.50	µg/L	J	J	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.51	—	—	0.50	µg/L	J	J	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.64	—	—	0.50	µg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3	—	—	0.50	µg/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	56.3	—	—	0.05	mg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.5	—	—	0.05	mg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	51.2	—	—	0.05	mg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55.4	—	—	0.05	mg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54	—	—	0.05	mg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.3	—	—	1.00	µg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	66.6	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.2	—	—	1.00	µg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	75.1	—	—	1.00	µg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	69.8	—	—	1.00	µg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.4	—	—	1.00	µg/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.9	—	—	1.00	µg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	77.5	—	—	1.00	µg/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.11	—	—	0.07	µg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.43	—	—	0.07	µg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	0.07	µg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.87	—	—	0.05	µg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.08	—	—	0.05	µg/L	—	J	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	0.07	µg/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.43	—	—	0.07	µg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.08	—	—	0.05	µg/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.76	—	—	1.00	µg/L	J	J	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.39	—	—	1.00	µg/L	J	J	11-3609	CAWA-11-27113	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25b	750	04/07/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.57	—	—	1.00	µg/L	J	J	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.02	—	—	1.00	µg/L	J	J	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.8	—	—	1.00	µg/L	J	J	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.23	—	—	1.00	µg/L	J	J	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.9	—	—	1.00	µg/L	J	J	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.8	—	—	1.00	µg/L	J	J	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	13.9	—	—	3.30	µg/L	—	—	12-639	CAWA-12-1977	GELC
R-25b	750	09/15/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	34.7	—	—	3.30	µg/L	—	—	11-3609	CAWA-11-27113	GELC
R-25b	750	04/07/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	39.6	—	—	3.30	µg/L	—	—	11-1969	CAWA-11-5338	GELC
R-25b	750	09/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	46.8	—	—	3.30	µg/L	—	—	10-4502	CAWA-10-25900	GELC
R-25b	750	04/21/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	24.1	—	—	3.30	µg/L	—	—	10-2870	CAWA-10-15176	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	40.6	—	—	3.30	µg/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	04/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	56.2	—	—	3.30	µg/L	—	—	11-1969	CAWA-11-5339	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	57.9	—	—	3.30	µg/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00935	0.00	0.04	—	pCi/L	U	U	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00378	0.00	0.03	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00535	0.00	0.04	—	pCi/L	U	U	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0129	0.00	0.02	—	pCi/L	U	U	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0206	0.00	0.04	—	pCi/L	U	U	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-4.28	0.57	5.20	—	pCi/L	U	U	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.93	0.63	6.80	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.5	0.70	7.20	—	pCi/L	U	U	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.914	0.50	4.60	—	pCi/L	U	U	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.419	0.50	5.10	—	pCi/L	U	U	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-4.18	0.63	5.60	—	pCi/L	U	U	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.79	0.57	6.80	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.87	0.50	4.20	—	pCi/L	U	U	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.69	0.43	5.40	—	pCi/L	U	U	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.62	0.50	3.80	—	pCi/L	U	U	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.42	0.22	1.70	—	pCi/L	U	UJ	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.94	0.31	2.70	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.34	0.33	2.60	—	pCi/L	U	U	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.43	0.31	2.40	—	pCi/L	—	U	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	9.06	0.70	3.60	—	pCi/L	—	—	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.68	0.33	2.60	—	pCi/L	—	—	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.08	0.24	2.30	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6.9	0.40	2.30	—	pCi/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.122	0.18	2.10	—	pCi/L	U	U	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.34	0.43	3.70	—	pCi/L	—	—	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.5	1.00	11.00	—	pCi/L	U	U	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.3	0.90	9.50	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.07	0.93	8.90	—	pCi/L	U	U	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.15	4.00	40.00	—	pCi/L	U	U	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.73	3.67	34.00	—	pCi/L	U	U	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0075	0.00	0.04	—	pCi/L	U	U	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00677	0.00	0.04	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-4E-10	0.00	0.02	—	pCi/L	U	U	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.03	—	pCi/L	U	U	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00239	0.00	0.04	—	pCi/L	U	U	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0075	0.00	0.03	—	pCi/L	U	U	12-639	CAWA-12-1978	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-25b	750	09/15/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00339	0.00	0.07	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.004	0.00	0.03	—	pCi/L	U	U	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0018	0.00	0.02	—	pCi/L	U	U	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00478	0.00	0.04	—	pCi/L	U	U	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	32.1	8.67	73.00	—	pCi/L	U	U	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	38	7.33	81.00	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	19.2	6.33	69.00	—	pCi/L	U	U	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-45.8	7.00	63.00	—	pCi/L	U	U	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.8	6.00	59.00	—	pCi/L	U	U	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.27	0.08	0.19	—	pCi/L	—	—	12-639	CAWA-12-1978	GELC
R-25b	750	01/05/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.808	0.07	0.52	—	pCi/L	—	—	09-584	CAPA-09-1753	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.879	0.08	0.51	—	pCi/L	—	—	12-639	CAWA-12-1978	GELC
R-25b	750	01/05/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.424	0.08	0.75	—	pCi/L	U	U	09-584	CAPA-09-1753	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.38	0.57	5.80	—	pCi/L	U	U	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.565	0.53	5.20	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.87	0.57	6.20	—	pCi/L	U	U	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.315	0.53	5.10	—	pCi/L	U	U	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.19	0.50	4.40	—	pCi/L	U	U	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.122	0.05	0.48	—	pCi/L	U	U	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.25	0.05	0.49	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.271	0.05	0.49	—	pCi/L	U	U	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0721	0.04	0.47	—	pCi/L	U	U	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0763	0.04	0.41	—	pCi/L	U	U	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.13	0.03	0.03	—	pCi/L	—	—	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.22	0.04	0.07	—	pCi/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.82	0.05	0.07	—	pCi/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.73	0.05	0.05	—	pCi/L	—	—	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	3.82	0.10	0.10	—	pCi/L	—	—	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.028	0.00	0.03	—	pCi/L	U	U	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0221	0.00	0.05	—	pCi/L	U	U	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0404	0.00	0.03	—	pCi/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0376	0.00	0.04	—	pCi/L	—	—	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0924	0.01	0.05	—	pCi/L	—	—	10-99	CAWA-09-14261	GELC
R-25b	750	01/23/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.439	0.01	0.03	—	pCi/L	—	—	12-639	CAWA-12-1978	GELC
R-25b	750	09/15/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.393	0.02	0.06	—	pCi/L	—	—	11-3609	CAWA-11-27115	GELC
R-25b	750	09/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.594	0.02	0.03	—	pCi/L	—	—	10-4502	CAWA-10-25899	GELC
R-25b	750	04/21/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.601	0.02	0.03	—	pCi/L	—	—	10-2870	CAWA-10-15174	GELC
R-25b	750	10/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	1.4	0.04	0.06	—	pCi/L	—	—	10-99	CAWA-09-14261	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.4	—	—	0.73	mg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	46.3	—	—	0.73	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	48.1	—	—	0.73	mg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	48.7	—	—	0.73	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.2	—	—	0.73	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	48.7	—	—	0.73	mg/L	—	—	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	48.7	—	—	0.73	mg/L	—	—	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0702	—	—	0.07	mg/L	J	J	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	UJ	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	11-2603	CAWA-11-6957	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-26	659.3	01/26/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	7.91	—	—	0.05	mg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.16	—	—	0.05	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.15	—	—	0.05	mg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.24	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.28	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	7.95	—	—	0.05	mg/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.13	—	—	0.05	mg/L	—	—	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.2	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	7.94	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.21	—	—	0.07	mg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.2	—	—	0.07	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.18	—	—	0.07	mg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.33	—	—	0.07	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.34	—	—	0.07	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.127	—	—	0.03	mg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.112	—	—	0.03	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.144	—	—	0.03	mg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.136	—	—	0.03	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.15	—	—	0.03	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32	—	—	0.45	mg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.6	—	—	0.45	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.7	—	—	0.45	mg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.9	—	—	0.45	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.8	—	—	0.45	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	31.8	—	—	0.45	mg/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.9	—	—	0.45	mg/L	—	—	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.6	—	—	0.45	mg/L	—	—	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	31.5	—	—	0.45	mg/L	—	—	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.99	—	—	0.11	mg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.98	—	—	0.11	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.01	—	—	0.11	mg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.98	—	—	0.11	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.94	—	—	0.11	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.91	—	—	0.11	mg/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.05	—	—	0.11	mg/L	—	—	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.95	—	—	0.11	mg/L	—	—	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.83	—	—	0.11	mg/L	—	—	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.368	—	—	0.05	mg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0777	—	—	0.01	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.355	—	—	0.05	mg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.415	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.408	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.248	—	—	0.05	µg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.219	—	—	0.05	µg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.216	—	—	0.05	µg/L	—	J+	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.24	—	—	0.05	µg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.23	—	—	0.05	µg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.3	—	—	0.05	mg/L	—	J	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.22	—	—	0.05	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	0.05	mg/L	E	J	11-3633	CAWA-11-27174	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.35	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.17	—	—	0.05	mg/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	0.05	mg/L	E	J	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.31	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.24	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.72	—	—	0.10	mg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.65	—	—	0.10	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.76	—	—	0.10	mg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.43	—	—	0.10	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.41	—	—	0.10	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.43	—	—	0.10	mg/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.71	—	—	0.10	mg/L	—	—	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.35	—	—	0.10	mg/L	—	—	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.11	—	—	0.10	mg/L	—	—	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	97.1	—	—	1.00	µS/cm	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	99.1	—	—	1.00	µS/cm	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	96.6	—	—	1.00	µS/cm	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.25	—	—	0.10	mg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.26	—	—	0.10	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.32	—	—	0.10	mg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.39	—	—	0.10	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.39	—	—	0.10	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	106	—	—	3.40	mg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	98.6	—	—	3.40	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	85.7	—	—	3.40	mg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	2.40	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	99	—	—	2.40	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.431	—	—	0.33	mg/L	J	J	12-674	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.724	—	—	0.33	mg/L	J	J	12-494	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1.28	—	—	0.33	mg/L	—	U	11-3632	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.626	—	—	0.33	mg/L	J	J	11-2602	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.489	—	—	0.33	mg/L	J	J	11-2602	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0471	—	—	0.02	mg/L	J	J	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0388	—	—	0.02	mg/L	J	J	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0989	—	—	0.02	mg/L	—	U	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0294	—	—	0.02	mg/L	J	U	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.0341	—	—	0.02	mg/L	J	U	11-2603	CAWA-11-6957	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.7	—	—	0.01	SU	H	J-	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.56	—	—	0.01	SU	H	J-	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.66	—	—	0.01	SU	H	J-	11-3633	CAWA-11-27174	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.48	—	—	1.70	µg/L	J	J	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.28	—	—	1.70	µg/L	J	J	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.96	—	—	1.70	µg/L	J	J	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.32	—	—	1.70	µg/L	J	J	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.14	—	—	1.70	µg/L	J	J	11-2603	CAWA-11-6953	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-26	659.3	01/26/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.39	—	—	1.00	µg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	7.94	—	—	1.00	µg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	8.36	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	8.95	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	8.92	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.99	—	—	1.00	µg/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	8.98	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	9.04	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	8.85	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.46	—	—	2.00	µg/L	J	J	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00	µg/L	U	U	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.1	—	—	2.00	µg/L	J	J	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00	µg/L	U	U	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00	µg/L	U	U	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.2	—	—	2.00	µg/L	J	J	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.44	—	—	2.00	µg/L	J	J	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00	µg/L	U	U	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00	µg/L	U	U	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.966	—	—	0.17	µg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.964	—	—	0.17	µg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	0.17	µg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.92	—	—	0.17	µg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.926	—	—	0.17	µg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.976	—	—	0.17	µg/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	0.17	µg/L	—	—	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.941	—	—	0.17	µg/L	—	—	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.94	—	—	0.17	µg/L	—	—	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.48	—	—	0.50	µg/L	J	J	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.88	—	—	0.50	µg/L	J	J	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.11	—	—	0.50	µg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.69	—	—	0.50	µg/L	J	J	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.50	µg/L	U	U	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.32	—	—	0.50	µg/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.69	—	—	0.50	µg/L	—	—	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.727	—	—	0.50	µg/L	J	J	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.712	—	—	0.50	µg/L	J	J	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.8	—	—	0.05	mg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61	—	—	0.05	mg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.4	—	—	0.05	mg/L	N	J+	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.2	—	—	0.05	mg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46.5	—	—	1.00	µg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46.8	—	—	1.00	µg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.1	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.2	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	46.3	—	—	1.00	µg/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	43.6	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-6953	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-26	659.3	01/26/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.35	—	—	1.00	µg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.29	—	—	1.00	µg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.18	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.2	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.67	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.62	—	—	1.00	µg/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.02	—	—	1.00	µg/L	—	—	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.34	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.02	—	—	1.00	µg/L	—	—	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14	—	—	3.30	µg/L	—	—	12-675	CAWA-12-2012	GELC
R-26	659.3	12/09/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	13.1	—	—	3.30	µg/L	—	—	12-495	CAWA-12-1761	GELC
R-26	659.3	09/16/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.9	—	—	3.30	µg/L	—	—	11-3633	CAWA-11-27174	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	11-2603	CAWA-11-7012	GELC
R-26	659.3	06/01/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	11-2603	CAWA-11-6957	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15.7	—	—	3.30	µg/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.8	—	—	3.30	µg/L	—	—	11-3633	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	11-2603	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30	µg/L	U	U	11-2603	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00722	0.00	0.05	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00701	0.00	0.04	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00213	0.00	0.04	—	pCi/L	U	U	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00287	0.00	0.04	—	pCi/L	U	U	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00233	0.00	0.03	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.15	0.63	7.00	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.98	0.50	5.10	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.9	0.47	4.30	—	pCi/L	U	U	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.59	0.40	4.50	—	pCi/L	U	U	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.436	0.22	2.10	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.414	0.47	5.10	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.167	0.37	4.40	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.66	0.47	4.20	—	pCi/L	U	U	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0195	0.57	5.50	—	pCi/L	U	U	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.109	0.29	2.30	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.392	0.23	2.80	—	pCi/L	U	UJ	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.151	0.13	2.20	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.278	0.16	2.00	—	pCi/L	U	U	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.588	0.23	2.70	—	pCi/L	U	U	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.289	0.09	2.00	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.493	0.22	2.30	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.218	0.23	2.50	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.01	0.32	2.70	—	pCi/L	—	—	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.68	0.26	2.20	—	pCi/L	—	—	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.06	0.26	2.30	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.61	1.13	12.00	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.145	0.90	8.40	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.357	0.93	9.00	—	pCi/L	U	U	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.74	0.97	9.20	—	pCi/L	U	U	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.82	1.63	16.00	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00239	0.00	0.04	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00493	0.00	0.03	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-26	659.3	09/16/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00258	0.00	0.03	—	pCi/L	U	U	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00373	0.00	0.03	—	pCi/L	U	U	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00199	0.00	0.03	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00957	0.00	0.03	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00493	0.00	0.03	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00258	0.00	0.05	—	pCi/L	U	U	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.00	0.05	—	pCi/L	U	U	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0119	0.00	0.03	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	9.85	10.67	59.00	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-22	5.33	57.00	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.9	6.00	58.00	—	pCi/L	U	U	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.5	6.00	53.00	—	pCi/L	U	U	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	33.2	5.00	18.00	—	pCi/L	—	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.152	0.03	0.34	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.373	0.04	0.24	—	pCi/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	10/07/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.431	0.04	0.18	—	pCi/L	—	—	09-54	CAWA-08-16044	GELC
R-26	659.3	04/01/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.234	0.05	0.52	—	pCi/L	U	U	08-905	CAWA-08-11678	GELC
R-26	659.3	10/17/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.274	0.05	0.44	—	pCi/L	U	U	196171	GU07100G26R101	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.4	0.11	0.64	—	pCi/L	—	—	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.561	0.07	0.58	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	10/07/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.559	0.06	0.47	—	pCi/L	—	—	09-54	CAWA-08-16044	GELC
R-26	659.3	04/01/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.646	0.07	0.51	—	pCi/L	—	—	08-905	CAWA-08-11678	GELC
R-26	659.3	10/17/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.384	0.05	0.41	—	pCi/L	U	U	196171	GU07100G26R101	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.123	0.50	5.80	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.932	0.43	5.30	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.631	0.53	5.20	—	pCi/L	U	U	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.61	0.47	4.20	—	pCi/L	U	U	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.12	0.21	2.10	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0439	0.04	0.48	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.278	0.05	0.48	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0602	0.05	0.49	—	pCi/L	U	U	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0483	0.04	0.46	—	pCi/L	U	U	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.164	0.05	0.49	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.04	0.20	1.93	—	pCi/L	U	U	12-691	CAWA-12-2013	ARSL
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.35	0.23	2.15	—	pCi/L	U	U	12-507	CAWA-12-1760	ARSL
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.26	0.23	2.36	—	pCi/L	U	U	11-3664	CAWA-11-27172	ARSL
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.38316	0.18	1.76	—	pCi/L	U	R	10-4211	CAWA-10-24737	ARSL
R-26	659.3	08/13/10	WG	UF	RE	—	Rad	LLEE	Tritium	<	-1.50071	0.18	1.76	—	pCi/L	U	U	10-4211	CAWA-10-24737	ARSL
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	0.10	0.29	—	pCi/L	U	U	10-205	CAWA-09-14134	UMTL
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.174	0.01	0.04	—	pCi/L	—	—	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.252	0.01	0.06	—	pCi/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.171	0.01	0.06	—	pCi/L	—	—	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.195	0.01	0.05	—	pCi/L	—	—	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.138	0.01	0.22	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0181	0.00	0.03	—	pCi/L	U	U	12-675	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0082	0.00	0.03	—	pCi/L	U	U	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0188	0.00	0.04	—	pCi/L	U	U	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0213	0.00	0.02	—	pCi/L	U	U	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0227	0.01	0.11	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0853	0.01	0.03	—	pCi/L	—	—	12-675	CAWA-12-2013	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-26	659.3	12/09/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.122	0.01	0.03	—	pCi/L	—	—	12-495	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0884	0.01	0.05	—	pCi/L	—	—	11-3634	CAWA-11-27172	GELC
R-26	659.3	08/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.117	0.01	0.03	—	pCi/L	—	—	10-4174	CAWA-10-24737	GELC
R-26	659.3	10/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0552	0.01	0.14	—	pCi/L	U	U	10-194	CAWA-09-14134	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	—	4.79	—	—	3.50	µg/L	J	J	12-674	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	—	14.5	—	—	3.50	µg/L	—	—	12-494	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	—	61.1	—	—	3.50	µg/L	—	J	11-3632	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50	µg/L	U	U	11-2602	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50	µg/L	U	U	11-2602	CAWA-11-6953	GELC
R-26	659.3	01/26/12	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	0.89	—	—	0.25	µg/L	J	J	12-674	CAWA-12-2013	GELC
R-26	659.3	12/09/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	0.88	—	—	0.25	µg/L	J	J	12-494	CAWA-12-1760	GELC
R-26	659.3	09/16/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	1.18	—	—	0.25	µg/L	—	—	11-3632	CAWA-11-27172	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	2.48	—	—	0.25	µg/L	—	—	11-2602	CAWA-11-7011	GELC
R-26	659.3	06/01/11	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	1.75	—	—	0.25	µg/L	—	—	11-2602	CAWA-11-6953	GELC
R-26 PZ-2	150	04/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	216	—	—	1.00	µS/cm	—	—	10-2679	CAWA-10-15177	GELC
R-26 PZ-2	150	04/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.56	—	—	0.01	SU	H	J-	10-2679	CAWA-10-15177	GELC
R-26 PZ-2	150	01/26/12	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	1.48	—	—	0.30	µg/L	—	—	12-674	CAWA-12-1980	GELC
R-26 PZ-2	150	09/19/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	1.28	—	—	0.30	µg/L	—	—	11-3642	CAWA-11-27097	GELC
R-26 PZ-2	150	04/05/11	WG	UF	CS	—	VOA	SW-846:8260B	Tetrachloroethene	—	1.75	—	—	0.30	µg/L	—	—	11-1931	CAWA-11-5343	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	0.73	mg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.4	—	—	0.73	mg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.3	—	—	0.73	mg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.6	—	—	0.73	mg/L	H	J-	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.4	—	—	0.73	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0757	—	—	0.07	mg/L	J	J	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	0.07	mg/L	U	U	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0708	—	—	0.07	mg/L	J	J	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0721	—	—	0.07	mg/L	J	J	11-776	CAWA-11-2120	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	0.05	mg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.6	—	—	0.05	mg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	0.05	mg/L	—	J	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.95	—	—	0.05	mg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	0.05	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	0.05	mg/L	—	—	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.6	—	—	0.05	mg/L	—	J	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10	—	—	0.05	mg/L	—	—	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	0.05	mg/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.63	—	—	0.07	mg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.6	—	—	0.07	mg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.65	—	—	0.07	mg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.73	—	—	0.07	mg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.88	—	—	0.07	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.166	—	—	0.03	mg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.195	—	—	0.03	mg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.152	—	—	0.03	mg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	0.03	mg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.153	—	—	0.03	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35	—	—	0.45	mg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	36.8	—	—	0.45	mg/L	—	—	11-3513	CAWA-11-27180	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-47i	840	06/21/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	37	—	—	0.45	mg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	34.8	—	—	0.45	mg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.3	—	—	0.35	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36	—	—	0.45	mg/L	—	—	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	37.4	—	—	0.45	mg/L	—	—	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	34.9	—	—	0.45	mg/L	—	—	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36	—	—	0.35	mg/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.39	—	—	0.11	mg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.52	—	—	0.11	mg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.59	—	—	0.11	mg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.41	—	—	0.11	mg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.44	—	—	0.09	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.5	—	—	0.11	mg/L	—	—	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.64	—	—	0.11	mg/L	—	—	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.41	—	—	0.11	mg/L	—	—	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.54	—	—	0.09	mg/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.13	—	—	0.01	mg/L	—	J+	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.3	—	—	0.05	mg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.323	—	—	0.05	mg/L	—	J-	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.384	—	—	0.05	mg/L	—	J	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.254	—	—	0.05	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.235	—	—	0.05	µg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.234	—	—	0.05	µg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.246	—	—	0.05	µg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.235	—	—	0.05	µg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.225	—	—	0.05	µg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.409	—	—	0.05	mg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	<	0.568	—	—	0.05	mg/L	—	U	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.529	—	—	0.05	mg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.567	—	—	0.05	mg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.588	—	—	0.05	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	<	0.543	—	—	0.05	mg/L	—	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.563	—	—	0.05	mg/L	—	—	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.589	—	—	0.05	mg/L	—	—	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.563	—	—	0.05	mg/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	0.10	mg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	0.10	mg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	0.10	mg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	0.10	mg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	0.10	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.2	—	—	0.10	mg/L	—	—	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	0.10	mg/L	—	—	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	0.10	mg/L	—	—	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	0.10	mg/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00	µS/cm	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	145	—	—	1.00	µS/cm	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.8	—	—	0.10	mg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.14	—	—	0.10	mg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.55	—	—	0.10	mg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.1	—	—	0.10	mg/L	—	—	11-1969	CAWA-11-5374	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-47i	840	12/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.89	—	—	0.10	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	3.40	mg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	129	—	—	3.40	mg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.40	mg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40	mg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.32	—	—	0.33	mg/L	—	—	12-644	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.13	—	—	0.33	mg/L	—	—	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1.64	—	—	0.33	mg/L	—	U	11-2727	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.19	—	—	0.33	mg/L	—	—	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.87	—	—	0.33	mg/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.49	—	—	0.01	SU	H	J-	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.62	—	—	0.01	SU	H	J-	11-3513	CAWA-11-27180	GELC
R-47i	840	01/24/12	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.83	—	—	1.70	µg/L	J	J	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.56	—	—	1.70	µg/L	J	J	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50	µg/L	U	U	11-776	CAWA-11-2120	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.62	—	—	1.70	µg/L	J	J	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.70	µg/L	U	U	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50	µg/L	U	U	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.91	—	—	1.00	µg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	7.71	—	—	1.00	µg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	7.73	—	—	1.00	µg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	7.14	—	—	1.00	µg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	7.88	—	—	1.00	µg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.52	—	—	1.00	µg/L	—	—	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.74	—	—	1.00	µg/L	—	—	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.72	—	—	1.00	µg/L	—	—	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	8.79	—	—	1.00	µg/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.66	—	—	0.17	µg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.08	—	—	0.17	µg/L	—	J	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.76	—	—	0.17	µg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.08	—	—	0.17	µg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.51	—	—	0.10	µg/L	—	J	11-776	CAWA-11-2120	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.08	—	—	0.17	µg/L	—	J	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.63	—	—	0.17	µg/L	—	—	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.24	—	—	0.17	µg/L	—	—	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.77	—	—	0.10	µg/L	—	J	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.668	—	—	0.50	µg/L	J	J	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.21	—	—	0.50	µg/L	J	J	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.16	—	—	0.50	µg/L	J	J	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.78	—	—	0.50	µg/L	J	J	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.78	—	—	0.50	µg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.23	—	—	0.50	µg/L	J	J	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.17	—	—	0.50	µg/L	J	J	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.22	—	—	0.50	µg/L	—	—	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.93	—	—	0.50	µg/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.3	—	—	0.05	mg/L	—	—	12-646	CAWA-12-1983	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-47i	840	09/08/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.1	—	—	0.05	mg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.9	—	—	0.05	mg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57.7	—	—	0.05	mg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	56.2	—	—	0.05	mg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	01/24/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.2	—	—	1.00	µg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.7	—	—	1.00	µg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.6	—	—	1.00	µg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.4	—	—	1.00	µg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.7	—	—	1.00	µg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56	—	—	1.00	µg/L	—	—	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56.6	—	—	1.00	µg/L	—	—	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54.7	—	—	1.00	µg/L	—	—	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.4	—	—	1.00	µg/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.487	—	—	0.07	µg/L	—	—	12-646	CAWA-12-1983	GELC
R-47i	840	09/08/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.677	—	—	0.07	µg/L	—	—	11-3513	CAWA-11-27180	GELC
R-47i	840	06/21/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.529	—	—	0.07	µg/L	—	—	11-2728	CAWA-11-13974	GELC
R-47i	840	04/07/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.34	—	—	0.07	µg/L	—	—	11-1969	CAWA-11-5374	GELC
R-47i	840	12/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.774	—	—	0.05	µg/L	—	—	11-776	CAWA-11-2120	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.696	—	—	0.07	µg/L	—	—	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.528	—	—	0.07	µg/L	—	—	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.374	—	—	0.07	µg/L	—	—	11-1969	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.716	—	—	0.05	µg/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00166	0.00	0.03	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00608	0.00	0.03	—	pCi/L	U	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0066	0.00	0.02	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-2.34	1.93	18.00	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-2E-10	0.00	0.03	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00485	0.00	0.03	—	pCi/L	U	U	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.9	0.60	6.60	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.15	0.47	4.40	—	pCi/L	U	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.752	0.43	4.00	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.202	0.43	4.10	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-4.33	0.60	5.00	—	pCi/L	U	U	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.14	0.50	6.20	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.99	0.43	4.90	—	pCi/L	U	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.29	0.43	3.90	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.842	0.50	5.20	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.336	0.50	4.60	—	pCi/L	U	U	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.691	0.23	2.50	—	pCi/L	U	UJ	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.141	0.14	2.20	—	pCi/L	U	UJ	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.932	0.22	2.20	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0143	0.10	1.40	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	11.4	0.70	2.10	—	pCi/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.365	0.27	2.90	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.261	0.22	2.60	—	pCi/L	U	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.652	0.24	2.40	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.581	0.29	3.00	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	13.7	0.63	2.60	—	pCi/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.329	0.90	9.70	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.698	1.10	11.00	—	pCi/L	U	U	11-3513	CAWA-11-27179	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-47i	840	04/07/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.98	1.00	9.10	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.02	1.13	10.00	—	pCi/L	U	U	11-776	CAWA-11-2122	GELC
R-47i	840	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.59	0.97	9.20	—	pCi/L	U	U	10-4721	CAWA-10-25908	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00304	0.00	0.05	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00191	0.00	0.02	—	pCi/L	U	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00379	0.00	0.03	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00455	0.00	0.03	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.00	0.02	—	pCi/L	U	U	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00304	0.00	0.04	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00764	0.00	0.04	—	pCi/L	U	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00379	0.00	0.04	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0114	0.00	0.04	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00198	0.00	0.04	—	pCi/L	U	U	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.77	6.00	70.00	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-19.2	6.33	61.00	—	pCi/L	U	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.45	5.67	62.00	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-19.5	5.67	54.00	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.1	6.33	62.00	—	pCi/L	U	U	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	4.86	0.28	0.22	—	pCi/L	—	—	12-646	CAWA-12-1984	GELC
R-47i	840	12/21/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.0196	0.02	0.30	—	pCi/L	U	U	10-1051	CAWA-10-6910	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0894	0.05	0.57	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	12/21/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.724	0.10	0.92	—	pCi/L	U	U	10-1051	CAWA-10-6910	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.09	0.60	6.10	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.664	0.50	4.70	—	pCi/L	U	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.53	0.43	3.80	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.4	0.47	4.50	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0112	0.53	4.80	—	pCi/L	U	U	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.258	0.05	0.48	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.258	0.04	0.49	—	pCi/L	U	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.132	0.05	0.52	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.346	0.05	0.54	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0935	0.04	0.46	—	pCi/L	U	U	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.44	0.02	0.04	—	pCi/L	—	—	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.475	0.02	0.05	—	pCi/L	—	—	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.341	0.01	0.05	—	pCi/L	—	—	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.319	0.01	0.04	—	pCi/L	—	—	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.463	0.02	0.05	—	pCi/L	—	—	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0165	0.00	0.04	—	pCi/L	U	U	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.02	0.00	0.04	—	pCi/L	U	U	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.02	0.00	0.02	—	pCi/L	U	U	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0111	0.00	0.03	—	pCi/L	U	U	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0126	0.00	0.04	—	pCi/L	U	U	11-776	CAWA-11-2122	GELC
R-47i	840	01/24/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.158	0.01	0.03	—	pCi/L	—	—	12-646	CAWA-12-1984	GELC
R-47i	840	09/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.181	0.01	0.04	—	pCi/L	—	—	11-3513	CAWA-11-27179	GELC
R-47i	840	06/21/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.135	0.01	0.03	—	pCi/L	—	—	11-2728	CAWA-11-13973	GELC
R-47i	840	04/07/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.18	0.01	0.05	—	pCi/L	—	—	11-1968	CAWA-11-5375	GELC
R-47i	840	12/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.158	0.01	0.04	—	pCi/L	—	—	11-776	CAWA-11-2122	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.7	—	—	0.73	mg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.2	—	—	0.73	mg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.3	—	—	0.73	mg/L	—	—	11-3580	CAWA-11-27182	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-48	1500	06/22/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.2	—	—	0.73	mg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	0.05	mg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.9	—	—	0.05	mg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	0.05	mg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	0.05	mg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	0.05	mg/L	—	—	11-3580	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	0.05	mg/L	—	—	11-2748	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.37	—	—	0.07	mg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.38	—	—	0.07	mg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.31	—	—	0.07	mg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.42	—	—	0.07	mg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.189	—	—	0.03	mg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.196	—	—	0.03	mg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.181	—	—	0.03	mg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.159	—	—	0.03	mg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	38.5	—	—	0.45	mg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.1	—	—	0.45	mg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.1	—	—	0.45	mg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.6	—	—	0.45	mg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	41.3	—	—	0.45	mg/L	—	—	11-3580	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	39.7	—	—	0.45	mg/L	—	—	11-2748	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.23	—	—	0.11	mg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.26	—	—	0.11	mg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.28	—	—	0.11	mg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.48	—	—	0.11	mg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.51	—	—	0.11	mg/L	—	—	11-3580	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	0.11	mg/L	—	—	11-2748	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.372	—	—	0.05	mg/L	—	J+	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.485	—	—	0.05	mg/L	—	J+	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.279	—	—	0.05	mg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.79	—	—	0.05	mg/L	—	J-	11-2748	CAWA-11-14010	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.307	—	—	0.05	µg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.314	—	—	0.05	µg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.337	—	—	0.05	µg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.314	—	—	0.05	µg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	0.05	mg/L	—	J	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.47	—	—	0.05	mg/L	—	J	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.33	—	—	0.05	mg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	0.05	mg/L	—	J	11-2748	CAWA-11-14010	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.38	—	—	0.05	mg/L	—	—	11-3580	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	0.05	mg/L	—	J	11-2748	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	0.10	mg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	0.10	mg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	0.10	mg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.3	—	—	0.10	mg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	0.10	mg/L	—	—	11-3580	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	0.10	mg/L	—	—	11-2748	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	128	—	—	1.00	µS/cm	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	129	—	—	1.00	µS/cm	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	130	—	—	1.00	µS/cm	—	—	11-3580	CAWA-11-27182	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-48	1500	01/18/12	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	3.31	—	—	0.10	mg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.38	—	—	0.10	mg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.84	—	—	0.10	mg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.15	—	—	0.10	mg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	111	—	—	3.40	mg/L	—	J	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	109	—	—	3.40	mg/L	—	J	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	124	—	—	3.40	mg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	110	—	—	3.40	mg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.448	—	—	0.33	mg/L	J	J	12-604	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.417	—	—	0.33	mg/L	J	J	12-604	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.337	—	—	0.33	mg/L	J	J	11-3579	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	0.33	mg/L	U	U	11-2747	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0315	—	—	0.02	mg/L	J	J	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.168	—	—	0.02	mg/L	—	U	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	0.02	mg/L	U	U	11-2748	CAWA-11-14010	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.05	—	—	0.01	SU	H	J-	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.1	—	—	0.01	SU	H	J-	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	0.01	SU	H	J-	11-3580	CAWA-11-27182	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	9.25	—	—	1.00	µg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	8.93	—	—	1.00	µg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	9.18	—	—	1.00	µg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	10.5	—	—	1.00	µg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	9.71	—	—	1.00	µg/L	—	—	11-3580	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	10.8	—	—	1.00	µg/L	—	—	11-2748	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	2.51	—	—	0.17	µg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.46	—	—	0.17	µg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.5	—	—	0.17	µg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.58	—	—	0.17	µg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.36	—	—	0.17	µg/L	—	—	11-3580	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.46	—	—	0.17	µg/L	—	—	11-2748	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	0.966	—	—	0.50	µg/L	J	J	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.928	—	—	0.50	µg/L	J	J	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.864	—	—	0.50	µg/L	J	J	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.18	—	—	0.50	µg/L	J	J	11-2748	CAWA-11-14010	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.24	—	—	0.50	µg/L	J	J	11-3580	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.26	—	—	0.50	µg/L	J	J	11-2748	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	55.5	—	—	0.05	mg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55	—	—	0.05	mg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	52.3	—	—	0.05	mg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	56.1	—	—	0.05	mg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	52.2	—	—	1.00	µg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.7	—	—	1.00	µg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.5	—	—	1.00	µg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.6	—	—	1.00	µg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.9	—	—	1.00	µg/L	—	—	11-3580	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.3	—	—	1.00	µg/L	—	—	11-2748	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.528	—	—	0.07	µg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.532	—	—	0.07	µg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.619	—	—	0.07	µg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	0.07	µg/L	—	—	11-2748	CAWA-11-14010	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-48	1500	09/13/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.666	—	—	0.07	µg/L	—	—	11-3580	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.574	—	—	0.07	µg/L	—	—	11-2748	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	10.6	—	—	1.00	µg/L	—	—	12-606	CAWA-12-1998	GELC
R-48	1500	01/18/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.8	—	—	1.00	µg/L	—	—	12-606	CAWA-12-2001	GELC
R-48	1500	09/13/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.91	—	—	1.00	µg/L	—	—	11-3580	CAWA-11-27182	GELC
R-48	1500	06/22/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.2	—	—	1.00	µg/L	—	—	11-2748	CAWA-11-14010	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.3	—	—	1.00	µg/L	—	—	11-3580	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.3	—	—	1.00	µg/L	—	—	11-2748	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.00205	0.00	0.04	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00243	0.00	0.05	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00574	0.00	0.03	—	pCi/L	U	U	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	1.3	1.83	18.00	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00187	0.00	0.03	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-0.273	0.57	6.10	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.39	0.57	6.20	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.898	0.43	4.10	—	pCi/L	U	U	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.73	0.37	3.00	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	-2.1	0.63	6.60	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.594	0.70	7.60	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.963	0.47	4.80	—	pCi/L	U	U	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.51	0.47	3.80	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.49	0.26	2.20	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.14	0.23	2.00	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.63	0.31	2.00	—	pCi/L	—	UJ	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.716	0.24	2.60	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	0.193	0.26	2.80	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.183	0.18	2.20	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.809	0.23	2.30	—	pCi/L	U	U	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.81	0.26	2.50	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	3.91	0.97	11.00	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.31	1.20	13.00	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.36	1.00	8.80	—	pCi/L	U	U	11-3581	CAWA-11-27181	GELC
R-48	1500	03/28/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.53	0.80	8.00	—	pCi/L	U	U	11-1812	CAWA-11-5380	GELC
R-48	1500	01/06/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.95	1.13	12.00	—	pCi/L	U	U	11-1036	CAWA-11-3192	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.0127	0.00	0.04	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00901	0.00	0.05	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00283	0.00	0.03	—	pCi/L	U	U	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0118	0.00	0.03	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.00254	0.00	0.03	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.012	0.00	0.04	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-1.3E-09	0.00	0.05	—	pCi/L	U	U	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0176	0.00	0.04	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	16.9	6.00	75.00	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.3	6.67	71.00	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.4	5.00	48.00	—	pCi/L	U	U	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-15.5	5.00	49.00	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0	0.05	0.66	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	04/07/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.124	0.03	0.24	—	pCi/L	U	U	10-2697	CAWA-10-15226	GELC
R-48	1500	02/17/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.155	0.03	0.30	—	pCi/L	U	U	10-1927	CAWA-10-13090	GELC
R-48	1500	11/23/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.723	0.09	0.69	—	pCi/L	—	U	10-671	CAWA-10-5475	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-48	1500	01/18/12	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.141	0.05	0.66	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	04/07/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.681	0.08	0.63	—	pCi/L	—	U	10-2697	CAWA-10-15226	GELC
R-48	1500	02/17/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.953	0.10	0.74	—	pCi/L	—	—	10-1927	CAWA-10-13090	GELC
R-48	1500	11/23/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	9.19	0.47	0.89	—	pCi/L	—	—	10-671	CAWA-10-5475	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	1.18	0.53	6.60	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.895	0.57	6.40	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0154	0.37	3.60	—	pCi/L	U	U	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.95	0.31	3.50	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.0133	0.05	0.49	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.337	0.05	0.48	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.465	0.05	0.49	—	pCi/L	U	U	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.216	0.05	0.50	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.372	0.01	0.04	—	pCi/L	—	—	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.44	0.02	0.06	—	pCi/L	—	—	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.357	0.02	0.06	—	pCi/L	—	—	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.346	0.02	0.08	—	pCi/L	—	—	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0177	0.00	0.04	—	pCi/L	U	U	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00518	0.00	0.06	—	pCi/L	U	U	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0175	0.00	0.05	—	pCi/L	U	U	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0269	0.00	0.04	—	pCi/L	U	U	11-2749	CAWA-11-14011	GELC
R-48	1500	01/18/12	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.203	0.01	0.04	—	pCi/L	—	—	12-606	CAWA-12-2002	GELC
R-48	1500	01/18/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.205	0.01	0.05	—	pCi/L	—	—	12-606	CAWA-12-2000	GELC
R-48	1500	09/13/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.213	0.01	0.06	—	pCi/L	—	—	11-3581	CAWA-11-27181	GELC
R-48	1500	06/22/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.246	0.01	0.05	—	pCi/L	—	—	11-2749	CAWA-11-14011	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.7	—	—	0.73	mg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	48.3	—	—	0.73	mg/L	—	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	48.1	—	—	0.73	mg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.3	—	—	0.73	mg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	04/12/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.9	—	—	0.73	mg/L	—	—	11-2030	CAWA-11-4912	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	0.05	mg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.45	—	—	0.05	mg/L	E	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	0.05	mg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.73	—	—	0.05	mg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.81	—	—	0.05	mg/L	E	—	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.59	—	—	0.05	mg/L	—	—	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.81	—	—	0.05	mg/L	—	—	11-2742	CAWA-11-14624	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.19	—	—	0.07	mg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.15	—	—	0.07	mg/L	—	J+	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.12	—	—	0.07	mg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.14	—	—	0.07	mg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	04/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	<	1.22	—	—	0.07	mg/L	—	U	11-2030	CAWA-11-4912	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.139	—	—	0.03	mg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.109	—	—	0.03	mg/L	—	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.135	—	—	0.03	mg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.111	—	—	0.03	mg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	04/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.131	—	—	0.03	mg/L	—	—	11-2030	CAWA-11-4912	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.2	—	—	0.45	mg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.5	—	—	0.45	mg/L	—	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.3	—	—	0.45	mg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	36.7	—	—	0.45	mg/L	—	—	11-2742	CAWA-11-14623	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-63	1325	12/16/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36.8	—	—	0.45	mg/L	—	—	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.9	—	—	0.45	mg/L	—	—	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	37.1	—	—	0.45	mg/L	—	—	11-2742	CAWA-11-14624	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.12	—	—	0.11	mg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.88	—	—	0.11	mg/L	—	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.1	—	—	0.11	mg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.01	—	—	0.11	mg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.98	—	—	0.11	mg/L	—	—	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.9	—	—	0.11	mg/L	—	—	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.05	—	—	0.11	mg/L	—	—	11-2742	CAWA-11-14624	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.352	—	—	0.05	mg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.295	—	—	0.01	mg/L	—	J-	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.424	—	—	0.05	mg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.805	—	—	0.05	mg/L	—	J-	11-2742	CAWA-11-14623	GELC
R-63	1325	04/12/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.431	—	—	0.05	mg/L	—	J+	11-2030	CAWA-11-4912	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.233	—	—	0.05	µg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.223	—	—	0.05	µg/L	—	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.22	—	—	0.05	µg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.232	—	—	0.05	µg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	04/12/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.219	—	—	0.05	µg/L	—	—	11-2030	CAWA-11-4912	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.775	—	—	0.05	mg/L	—	J	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.842	—	—	0.05	mg/L	—	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.801	—	—	0.05	mg/L	—	J	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.795	—	—	0.05	mg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.881	—	—	0.05	mg/L	—	—	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.745	—	—	0.05	mg/L	—	J	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.793	—	—	0.05	mg/L	—	—	11-2742	CAWA-11-14624	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.5	—	—	0.10	mg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.05	—	—	0.10	mg/L	E	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.68	—	—	0.10	mg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.54	—	—	0.10	mg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.36	—	—	0.10	mg/L	E	—	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.12	—	—	0.10	mg/L	—	—	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.61	—	—	0.10	mg/L	—	—	11-2742	CAWA-11-14624	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	105	—	—	1.00	µS/cm	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	107	—	—	1.00	µS/cm	—	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	104	—	—	1.00	µS/cm	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.36	—	—	0.10	mg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.32	—	—	0.10	mg/L	—	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.39	—	—	0.10	mg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.54	—	—	0.10	mg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	04/12/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.61	—	—	0.10	mg/L	—	—	11-2030	CAWA-11-4912	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	110	—	—	3.40	mg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	121	—	—	3.40	mg/L	—	J	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	103	—	—	3.40	mg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	104	—	—	3.40	mg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	04/12/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	114	—	—	2.40	mg/L	—	—	11-2030	CAWA-11-4912	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.621	—	—	0.33	mg/L	J	J	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.462	—	—	0.33	mg/L	J	J	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	0.33	mg/L	U	U	11-3513	CAWA-11-27190	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-63	1325	06/22/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.332	—	—	0.33	mg/L	J	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.544	—	—	0.33	mg/L	J	J	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.58	—	—	0.01	SU	H	J-	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.67	—	—	0.01	SU	H	J-	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.67	—	—	0.01	SU	H	J-	11-3513	CAWA-11-27188	GELC
R-63	1325	01/20/12	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	1.45	—	—	0.10	µg/L	—	—	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	1.36	—	—	0.10	µg/L	—	—	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	1.31	—	—	0.10	µg/L	—	—	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	1.43	—	—	0.10	µg/L	—	J	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	HEXP	SW-846:8321A	RDX	—	1.25	—	—	0.10	µg/L	—	—	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.8	—	—	1.00	µg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.2	—	—	1.00	µg/L	—	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.8	—	—	1.00	µg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.2	—	—	1.00	µg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.9	—	—	1.00	µg/L	—	—	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.2	—	—	1.00	µg/L	—	—	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.8	—	—	1.00	µg/L	—	—	11-2742	CAWA-11-14624	GELC
R-63	1325	01/20/12	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.595	—	—	0.17	µg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.794	—	—	0.17	µg/L	—	U	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.572	—	—	0.17	µg/L	—	U	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.662	—	—	0.17	µg/L	—	U	11-2742	CAWA-11-14623	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.71	—	—	0.17	µg/L	—	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.566	—	—	0.17	µg/L	—	U	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.589	—	—	0.17	µg/L	—	U	11-2742	CAWA-11-14624	GELC
R-63	1325	01/20/12	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.9	—	—	0.05	mg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.2	—	—	0.05	mg/L	E	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.4	—	—	0.05	mg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.8	—	—	0.05	mg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	04/12/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.4	—	—	0.05	mg/L	—	—	11-2030	CAWA-11-4912	GELC
R-63	1325	01/20/12	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.1	—	—	1.00	µg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.9	—	—	1.00	µg/L	E	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.9	—	—	1.00	µg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.6	—	—	1.00	µg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.8	—	—	1.00	µg/L	E	—	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.9	—	—	1.00	µg/L	—	—	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51	—	—	1.00	µg/L	—	—	11-2742	CAWA-11-14624	GELC
R-63	1325	01/20/12	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.362	—	—	0.07	µg/L	—	—	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.381	—	—	0.07	µg/L	—	—	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.447	—	—	0.07	µg/L	—	—	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.375	—	—	0.07	µg/L	—	—	11-2742	CAWA-11-14623	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.39	—	—	0.07	µg/L	—	—	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.507	—	—	0.07	µg/L	—	—	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.49	—	—	0.07	µg/L	—	—	11-2742	CAWA-11-14624	GELC
R-63	1325	01/20/12	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.31	—	—	1.00	µg/L	J	J	12-627	CAWA-12-2015	GELC
R-63	1325	12/16/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.62	—	—	1.00	µg/L	J	J	12-529	CAWA-12-1765	GELC
R-63	1325	09/08/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.37	—	—	1.00	µg/L	J	J	11-3513	CAWA-11-27188	GELC
R-63	1325	06/22/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.62	—	—	1.00	µg/L	J	J	11-2742	CAWA-11-14623	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.06	—	—	1.00	µg/L	J	J	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.13	—	—	1.00	µg/L	J	J	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.8	—	—	1.00	µg/L	J	J	11-2742	CAWA-11-14624	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-63	1325	01/20/12	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0116	0.00	0.04	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0	0.00	0.05	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00202	0.00	0.03	—	pCi/L	U	U	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0	0.00	0.03	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-8.05	2.03	19.00	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00327	0.00	0.03	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-4.65	0.53	4.70	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0024	0.53	5.50	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.727	0.50	4.90	—	pCi/L	U	U	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.946	0.33	3.00	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.04	0.53	5.60	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-4.53	0.67	5.90	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.222	0.40	4.70	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.87	0.60	4.10	—	pCi/L	U	U	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.82	0.60	5.20	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.608	0.50	5.30	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.139	0.11	1.70	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0362	0.11	1.80	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.439	0.18	2.20	—	pCi/L	U	UJ	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.517	0.19	2.70	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.67	0.25	1.90	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.248	0.17	1.90	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.1	0.22	2.10	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.211	0.24	2.80	—	pCi/L	U	U	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.419	0.26	2.70	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.337	0.24	2.80	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.489	1.03	11.00	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.96	0.80	7.60	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.15	1.00	9.50	—	pCi/L	U	U	11-3513	CAWA-11-27190	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.94	0.83	7.50	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00331	0.00	0.05	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0202	0.00	0.04	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.01	0.00	0.02	—	pCi/L	U	U	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00203	0.00	0.03	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0041	0.00	0.03	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0133	0.00	0.04	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0168	0.00	0.04	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00402	0.00	0.04	—	pCi/L	U	U	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.00	0.04	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00205	0.00	0.04	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-24.4	7.33	74.00	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	8.25	6.00	62.00	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.3	7.00	67.00	—	pCi/L	U	U	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.8	6.00	58.00	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-36.8	5.67	53.00	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.225	0.03	0.30	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.153	0.07	0.83	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.273	0.08	0.85	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.674	0.09	0.74	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0641	0.53	6.10	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC

Table C-2 TA-16 260 Monitoring Group Analytical Results and Results from 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-63	1325	12/16/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.665	0.37	4.10	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.458	0.53	5.20	—	pCi/L	U	U	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.666	0.37	3.30	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.36	0.47	4.20	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0526	0.05	0.49	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.115	0.05	0.48	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.113	0.05	0.49	—	pCi/L	U	U	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.267	0.04	0.50	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.127	0.05	0.51	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.18	0.20	2.09	—	pCi/L	U	U	12-664	CAWA-12-2016	ARSL
R-63	1325	12/16/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.65	0.22	2.00	—	pCi/L	U	U	12-541	CAWA-12-1764	ARSL
R-63	1325	09/08/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35123	0.23	2.33	—	pCi/L	U	U	11-3582	CAWA-11-27190	ARSL
R-63	1325	06/22/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	0.24	2.49	—	pCi/L	U	U	11-2801	CAWA-11-14624	ARSL
R-63	1325	04/12/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.75615	0.26	2.62	—	pCi/L	U	U	11-2031	CAWA-11-4911	ARSL
R-63	1325	01/20/12	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.198	0.01	0.04	—	pCi/L	—	—	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.179	0.01	0.08	—	pCi/L	—	—	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.213	0.01	0.04	—	pCi/L	—	—	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.219	0.01	0.06	—	pCi/L	—	—	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.222	0.01	0.04	—	pCi/L	—	—	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0029	0.00	0.03	—	pCi/L	U	U	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00736	0.00	0.04	—	pCi/L	U	U	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00298	0.00	0.03	—	pCi/L	U	U	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00959	0.00	0.03	—	pCi/L	U	U	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0142	0.00	0.03	—	pCi/L	U	U	11-2030	CAWA-11-4911	GELC
R-63	1325	01/20/12	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.127	0.01	0.03	—	pCi/L	—	—	12-627	CAWA-12-2016	GELC
R-63	1325	12/16/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.107	0.01	0.04	—	pCi/L	—	—	12-529	CAWA-12-1764	GELC
R-63	1325	09/08/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.162	0.01	0.04	—	pCi/L	—	—	11-3513	CAWA-11-27190	GELC
R-63	1325	06/22/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.158	0.01	0.03	—	pCi/L	—	—	11-2742	CAWA-11-14624	GELC
R-63	1325	04/12/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.127	0.01	0.04	—	pCi/L	—	—	11-2030	CAWA-11-4911	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	d all sample
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 TA-16 260 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	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)
Alluvial	CDV-16-611923	SINGLE	—*	11/01/10	U	F	CS	FD	—	5.14	—	—	µg/L	GELC	SW-846:6020	—	—	—	800	0.01	30	0.17	30	0.17	30	0.17

*— = None.

Table D-2
Previously Unreported TA-16 260 Monitoring Group Groundwater Tritium

Zone	Location	Well Class	Depth (ft)	Date	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-18	SINGLE	1358	10/21/10	UF	RE	—*	<	0.96	0.77	2.45861	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Alluvial	CDV-16-02655	SINGLE	2.3	04/13/10	UF	RE	—	<	82.07	12.37	1.87	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	U	R4
Alluvial	CDV-16-02657	SINGLE	0.4	04/16/10	UF	RE	—	—	59.33	8.95	1.64	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	CDV-16-02658	SINGLE	1.9	04/12/10	UF	RE	—	—	39.37	6.02	2.420294	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	CDV-16-02659	SINGLE	1.7	09/09/10	UF	RE	—	—	38.67	5.91	2.42668	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	CDV-16-02659	SINGLE	1.7	09/16/11	UF	CS	—	—	17.60	2.82	2.37	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	FLC-16-25278	SINGLE	1.6	04/07/10	UF	RE	—	—	38.30	5.83	1.8	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	FLC-16-25278	SINGLE	1.6	09/14/11	UF	CS	—	—	22.49	3.53	2.34	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	MSC-16-06293	SINGLE	2	04/07/10	UF	RE	—	—	44.00	6.67	1.74	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	MSC-16-06294	SINGLE	2.5	09/20/11	UF	CS	—	—	22.81	3.59	2.46	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	MSC-16-06295	SINGLE	1.5	09/14/10	UF	RE	—	—	38.73	5.91	2.17124	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	WCO-1r	SINGLE	6	09/20/10	UF	RE	—	—	40.33	6.13	1.88387	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—

Table D-2 (continued)

Zone	Location	Well Class	Depth (ft)	Date	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 Spring	CDV-5.0 SPRING	SPRING	—	09/24/10	UF	RE	FD	—	27.59	4.25	2.01159	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate Spring	CDV-5.0 SPRING	SPRING	—	09/24/10	UF	RE	—	—	9.90	1.72	2.39475	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate Spring	SWSC Spring	SPRING	—	09/10/10	UF	RE	—	—	50.74	7.79	3.54423	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate Spring	Burning Ground Spring	SPRING	—	09/10/10	UF	RE	—	—	46.30	7.02	2.17124	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate Spring	Burning Ground Spring	SPRING	—	09/15/11	UF	CS	—	—	28.67	4.43	2.13	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate Spring	Fish Ladder Spring	SPRING	—	04/14/10	UF	RE	—	—	36.33	5.54	1.87	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	09/14/10	UF	RE	—	—	58.72	8.91	2.26703	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	09/15/11	UF	CS	—	—	37.78	5.81	2.39	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	09/15/11	UF	CS	FD	—	39.67	6.08	2.26	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate Spring	Water Canyon Gallery	SPRING	—	09/10/10	UF	RE	—	—	6.03	1.15	2.10738	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	R-26	MULTI	659.3	08/13/10	UF	RE	—	<	−1.50	0.54	1.75615	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	R-26	MULTI	659.3	09/16/11	UF	CS	—	<	−0.26	0.69	2.36	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	16-26644	SINGLE	130	04/20/10	UF	RE	FD	—	33.78194	5.17266	2.20317	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	16-26644	SINGLE	130	04/20/10	UF	RE	—	—	31.93	4.88529	2.01159	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	16-26644	SINGLE	130	11/02/10	UF	RE	—	—	23.6282	3.64002	1.97966	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	16-26644	SINGLE	130	03/02/11	UF	RE	FD	—	12.19726	1.97966	1.75615	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	16-26644	SINGLE	130	03/02/11	UF	RE	—	—	16.73	2.65	2.07545	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	R-25b	SINGLE	750	04/21/10	UF	RE	—	—	3.29	0.78	1.8752489	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	R-25b	SINGLE	750	09/08/10	UF	RE	—	—	4.44	1.05	2.49054	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	R-25b	SINGLE	750	09/15/11	UF	CS	—	<	2.17	0.80	2.35	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	R-25	MULTI	754.8	09/21/10	UF	RE	—	—	29.41	4.57	2.65019	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	R-25	MULTI	891.8	09/21/10	UF	RE	—	—	34.45247	5.30038	2.61826	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	R-25	MULTI	1192.4	09/21/10	UF	RE	—	—	28.16226	4.37441	2.49054	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	CdV-16-1(i)	SINGLE	624	09/13/10	UF	RE	—	<	0.92597	0.60667	1.9158	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	CdV-16-1(i)	SINGLE	624	09/22/11	UF	CS	—	—	31.7	4.89	2.3	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	CdV-16-4ip	MULTI	815.6	08/31/10	UF	RE	—	—	15.90114	2.45861	1.46878	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	CdV-16-4ip	MULTI	815.6	03/07/11	UF	RE	—	—	15.45	2.52	2.39475	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—

Table D-2 (continued)

Zone	Location	Well Class	Depth (ft)	Date	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	CdV-16-4ip	MULTI	1110	09/18/10	UF	RE	—	—	19.45	3.07	2.26703	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	CdV-16-4ip	MULTI	1110	11/02/10	UF	RE	—	—	7.02	1.28	2.01159	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	CdV-16-4ip	MULTI	1110	03/31/11	UF	RE	—	—	3.38	0.86	2.17124	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	CdV-16-2(i)r	SINGLE	850	09/07/10	UF	RE	FD	—	6.67	1.37	2.84177	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	CdV-16-2(i)r	SINGLE	850	09/07/10	UF	RE	—	—	6.67	1.28	2.45861	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	R-47i	SINGLE	840	04/08/10	UF	RE	—	<	−1.51	0.61	2	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	R-47i	SINGLE	840	09/23/10	UF	RE	—	—	3.22	0.96	2.68212	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	R-47i	SINGLE	840	12/02/10	UF	RE	—	<	0.51	0.67	2.20317	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	CDV-37-1(i)	SINGLE	632	09/21/10	UF	RE	—	<	1.37	0.73	2.26703	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	CDV-37-1(i)	SINGLE	632	12/01/10	UF	RE	—	<	0.26	0.51	1.72422	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	CDV-37-1(i)	SINGLE	632	03/31/11	UF	RE	—	<	1.21	0.67	2.10738	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	R-27i	SINGLE	619	04/15/10	UF	RE	—	<	−0.64	0.64	2.13	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	R-27i	SINGLE	619	09/20/10	UF	RE	—	<	1.56	0.77	2.36282	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate	R-27i	SINGLE	619	12/01/10	UF	RE	—	—	3.03	0.86	2.29896	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	R-27i	SINGLE	619	04/04/11	UF	RE	—	<	−0.61	0.64	2.17124	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-25	MULTI	1303.4	09/23/10	UF	RE	—	—	15.93	2.55	2.49054	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-25	MULTI	1406.3	09/22/10	UF	RE	—	—	3.58	0.77	1.72422	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-25	MULTI	1406.3	09/15/11	UF	CS	—	<	0.81	0.74	2.43	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-25	MULTI	1606	09/23/10	UF	RE	—	<	1.09	0.70	2.20317	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-25	MULTI	1606	09/14/11	UF	CS	—	<	−1.38	0.73	2.48	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-25	MULTI	1796	09/24/10	UF	RE	—	<	1.34	0.61	1.82001	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-25	MULTI	1796	09/14/11	UF	CS	—	<	−0.79	0.68	2.34	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-48	SINGLE	1500	04/07/10	UF	RE	PEB	<	−1.29	0.55	1.8	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-48	SINGLE	1500	04/07/10	UF	RE	FD	<	−1.42	0.55	1.8	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-48	SINGLE	1500	04/07/10	UF	RE	—	<	−0.97	0.58	1.9	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-48	SINGLE	1500	09/22/10	UF	RE	PEB	<	1.97966	0.73439	2.13931	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-48	SINGLE	1500	09/22/10	UF	RE	FD	<	1.11755	0.67053	2.17124	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

Table D-2 (continued)

Zone	Location	Well Class	Depth (ft)	Date	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-48	SINGLE	1500	09/22/10	UF	RE	—	<	0.92597	0.67053	2.13931	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-48	SINGLE	1500	12/02/10	UF	RE	FD	<	1.56457	0.79825	2.45861	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-48	SINGLE	1500	12/02/10	UF	RE	—	—	5.36	1.15	2.52247	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-48	SINGLE	1500	12/02/10	UF	RE	PEB	<	0.06	0.73	2.49054	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-48	SINGLE	1500	01/06/11	UF	RE	—	<	0.99	0.73	2.36282	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-48	SINGLE	1500	03/28/11	UF	RE	FD	<	0.61	0.70	2.29896	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-48	SINGLE	1500	03/28/11	UF	RE	—	<	−0.32	0.73	2.52247	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	CdV-R-37-2	MULTI	1359.3	08/10/10	UF	RE	—	<	−2.01	0.67	2.07545	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	CdV-R-37-2	MULTI	1550.6	08/10/10	UF	RE	—	<	−1.60	0.57	1.82001	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-27	SINGLE	852	09/14/10	UF	RE	—	<	1.12	0.70	2.20317	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

*— = None.

Table D-3
Previously Unreported TA-16 260 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)
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	Ba	F	CS	—*	—	11,500	2.6	µg/L	STSL	—	—	—	SW-846:6020	2000	5.75	1000	11.5
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	Ba	F	CS	FD	—	10,800	2.6	µg/L	STSL	—	—	—	SW-846:6020	2000	5.4	1000	10.8
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	Ba	UF	CS	—	—	11,300	2.6	µg/L	STSL	—	—	—	SW-846:6020	2000	5.65	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	Ba	UF	CS	FD	—	11,300	2.6	µg/L	STSL	—	—	—	SW-846:6020	2000	5.65	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	Fe	F	CS	—	—	815	20.4	µg/L	STSL	—	—	—	SW-846:6020	—	—	1000	0.82

Table D-3 (continued)

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)
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	Fe	F	CS	FD	—	709	20.4	µg/L	STSL	—	—	—	SW-846:6020	—	—	1000	0.71
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	Mn	F	CS	—	—	854	0.6	µg/L	STSL	—	—	—	SW-846:6020	—	—	200	4.27
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	Mn	F	CS	FD	—	679	0.6	µg/L	STSL	—	—	—	SW-846:6020	—	—	200	3.4
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	As	F	CS	FD	—	5.42	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.54	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	As	UF	CS	—	—	5.63	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.56	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	As	UF	CS	FD	—	5.41	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.54	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	Ba	F	CS	—	—	49,400	5	µg/L	GELC	—	—	—	SW-846:6010B	2000	24.7	1000	49.4
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	Ba	F	CS	FD	—	48,900	5	µg/L	GELC	—	—	—	SW-846:6010B	2000	24.45	1000	48.9
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	Ba	UF	CS	—	—	49,200	5	µg/L	GELC	—	—	—	SW-846:6010B	2000	24.6	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	Ba	UF	CS	FD	—	47,500	5	µg/L	GELC	—	—	—	SW-846:6010B	2000	23.75	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	Co	F	CS	—	—	33.3	5	µg/L	GELC	—	J	I4a	SW-846:6010B	—	—	50	0.67
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	Co	F	CS	FD	—	33.4	5	µg/L	GELC	—	J	I4a	SW-846:6010B	—	—	50	0.67
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	Fe	F	CS	—	—	11,400	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	11.4
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	Fe	F	CS	FD	—	11,700	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	11.7
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	Mn	F	CS	—	—	7510	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	37.55
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	Mn	F	CS	FD	—	7130	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	35.65
Alluvial	CDV-16-611923	SINGLE	3.2	02/15/11	Ba	F	CS	—	—	18,100	1	µg/L	GELC	—	—	—	SW-846:6010B	2000	9.05	1000	18.1
Alluvial	CDV-16-611923	SINGLE	3.2	02/15/11	Ba	F	CS	FD	—	17,700	1	µg/L	GELC	—	—	—	SW-846:6010B	2000	8.85	1000	17.7
Alluvial	CDV-16-611923	SINGLE	3.2	02/15/11	Ba	UF	CS	—	—	20,200	1	µg/L	GELC	—	—	—	SW-846:6010B	2000	10.1	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	02/15/11	Ba	UF	CS	FD	—	20,700	1	µg/L	GELC	—	—	—	SW-846:6010B	2000	10.35	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	02/15/11	Fe	F	CS	—	—	5880	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	5.88
Alluvial	CDV-16-611923	SINGLE	3.2	02/15/11	Fe	F	CS	FD	—	5700	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	5.7
Alluvial	CDV-16-611923	SINGLE	3.2	02/15/11	Mn	F	CS	—	—	4110	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	20.55
Alluvial	CDV-16-611923	SINGLE	3.2	02/15/11	Mn	F	CS	FD	—	4130	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	20.65

*— = None.

Table D-4
Previously Unreported TA-16 260 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 Regional Tap Screening Level	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	Consent Order Screening Level	Ratio (Result/Screening Level)	Consent Order Screening Level	Ratio (Result/Screening Level)
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	—*	UF	CS	HEXP	2,4-Diamino-6-nitrotoluene	6629-29-4	—	1	0.025	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	FD	UF	CS	HEXP	2,4-Diamino-6-nitrotoluene	6629-29-4	—	1	0.025	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	—	UF	CS	HEXP	2,6-Diamino-4-nitrotoluene	59229-75-3	—	0.3	0.023	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	FD	UF	CS	HEXP	2,6-Diamino-4-nitrotoluene	59229-75-3	—	0.29	0.023	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	—	UF	CS	HEXP	3,5-Dinitroaniline	618-87-1	—	0.11	0.032	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	FD	UF	CS	HEXP	3,5-Dinitroaniline	618-87-1	—	0.11	0.032	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	—	UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	—	2.9	0.051	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	73	0.04	—	—	73	0.04
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	FD	UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	—	2.7	0.051	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	73	0.04	—	—	73	0.04
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	—	UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	—	2.2	0.05	µg/L	1	—	J	HE7c	SW-846:8321A_MOD	STSL	—	—	73	0.03	—	—	73	0.03
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	FD	UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	—	2.3	0.05	µg/L	1	—	J	HE7c	SW-846:8321A_MOD	STSL	—	—	73	0.03	—	—	73	0.03
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	—	UF	CS	HEXP	Dinitrotoluene[2,4-]	121-14-2	—	0.084	0.033	µg/L	1	J	J	J_LAB	SW-846:8321A_MOD	STSL	2.2	0.04	—	—	2.2	0.04	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	FD	UF	CS	HEXP	Dinitrotoluene[2,4-]	121-14-2	—	0.091	0.033	µg/L	1	J	J	J_LAB	SW-846:8321A_MOD	STSL	2.2	0.04	—	—	2.2	0.04	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	—	UF	CS	HEXP	DNX	DNX	—	0.51	0.069	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	FD	UF	CS	HEXP	DNX	DNX	—	0.5	0.069	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	—	UF	DL	HEXP	HMX	2691-41-0	—	25	0.26	µg/L	10	D	—	—	SW-846:8321A_MOD	STSL	—	—	1800	0.01	—	—	1800	0.01
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	FD	UF	DL	HEXP	HMX	2691-41-0	—	29	0.26	µg/L	10	D	—	—	SW-846:8321A_MOD	STSL	—	—	1800	0.02	—	—	1800	0.02
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	—	UF	CS	HEXP	MNX	MNX	—	0.81	0.091	µg/L	1	—	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	FD	UF	CS	HEXP	MNX	MNX	—	0.8	0.091	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	—	UF	CS	HEXP	RDX	121-82-4	—	8.7	0.059	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	6.1	1.43	—	—	6.1	1.43	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	FD	UF	CS	HEXP	RDX	121-82-4	—	8.7	0.059	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	6.1	1.43	—	—	6.1	1.43	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	—	UF	CS	HEXP	TNX	TNX	—	0.79	0.082	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	04/02/10	FD	UF	CS	HEXP	TNX	TNX	—	0.75	0.082	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	—	UF	RE	HEXP	HMX	2691-41-0	—	0.209	0.1	µg/L	2	J	J	HE88	SW-846:8321A_MOD	GELC	—	—	1800	—	—	—	1800	—
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	FD	UF	CS	HEXP	HMX	2691-41-0	—	0.133	0.1	µg/L	2	J	J	HE7c	SW-846:8321A_MOD	GELC	—	—	1800	—	—	—	1800	—
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	—	UF	CS	HEXP	TNX	TNX	—	0.69	0.082	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	11/01/10	FD	UF	CS	HEXP	TNX	TNX	—	0.85	0.082	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	02/15/11	FD	UF	CS	HEXP	HMX	2691-41-0	—	0.182	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	1800	—	—	—	1800	—
Alluvial	CDV-16-611923	SINGLE	3.2	02/15/11	—	UF	CS	HEXP	HMX	2691-41-0	—	0.204	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	1800	—	—	—	1800	—

*— = None.

Table D-5
TA-16 260 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	Unit	Lab Code	Analytical Method Code	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)
Regional	R-18	SINGLE	1358	01/17/12	Ra-226	UF	CS	—*	—	1.02	0.25	0.38	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.26	5	0.2	30	0.03
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	Ra-226	UF	CS	—	—	1.01	0.27	0.51	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.25	5	0.2	30	0.03
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	Ra-228	UF	CS	—	—	2.43	0.43	0.52	pCi/L	GELC	EPA:904	—	—	—	100	0.02	4	0.61	5	0.49	30	0.08
Alluvial	CDV-16-02659	SINGLE	1.7	01/19/12	Ra-226	UF	CS	—	—	1.05	0.27	0.48	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.26	5	0.21	30	0.04
Alluvial	CDV-16-02659	SINGLE	1.7	01/19/12	Ra-228	UF	CS	—	—	1.6	0.33	0.59	pCi/L	GELC	EPA:904	—	—	—	100	0.02	4	0.4	5	0.32	30	0.05
Intermediate	R-26	MULTI	659.3	01/26/12	Ra-228	UF	CS	—	—	1.4	0.33	0.64	pCi/L	GELC	EPA:904	—	—	—	100	0.01	4	0.35	5	0.28	30	0.05
Intermediate	16-26644	SINGLE	130	01/13/12	Ra-226	UF	CS	—	—	1.14	0.33	0.68	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.29	5	0.23	30	0.04
Intermediate	R-25b	SINGLE	750	01/23/12	Ra-226	UF	CS	—	—	1.27	0.25	0.19	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.32	5	0.25	30	0.04
Intermediate	R-25b	SINGLE	750	01/23/12	Ra-228	UF	CS	—	—	0.879	0.23	0.51	pCi/L	GELC	EPA:904	—	—	—	100	0.01	4	0.22	5	0.18	30	0.03
Intermediate	R-47i	SINGLE	840	01/24/12	Ra-226	UF	CS	—	—	4.86	0.85	0.22	pCi/L	GELC	EPA:903.1	—	—	—	100	0.05	4	1.22	5	0.97	30	0.16
Intermediate	CDV-37-1(i)	SINGLE	632	01/24/12	Ra-228	UF	CS	—	—	2.66	0.46	0.51	pCi/L	GELC	EPA:904	—	—	—	100	0.03	4	0.67	5	0.53	30	0.09

*— = None.

Table D-6
TA-16 260 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	R-26	MULTI	659.3	01/26/12	H-3	UF	CS	—*	<	1.04	0.61	1.93	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-63	SINGLE	1325	01/20/12	H-3	UF	CS	—	<	−0.18	0.61	2.09	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-48	SINGLE	1500	01/18/12	H-3	UF	CS	PEB	<	0.44	0.66	2.2	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

*— = None.

Table D-7
TA-16 260 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
Regional	R-18	SINGLE	1358	01/17/12	—*	F	CS	ClO4	SW-846:6850	—	0.239	0.05	µg/L	1	—	—	—	GELC
Alluvial	CDV-16-02656	SINGLE	3	01/20/12	—	F	CS	ClO4	SW-846:6850	—	0.418	0.05	µg/L	1	—	—	—	GELC
Alluvial	CDV-16-611923	SINGLE	3	01/25/12	—	F	CS	ClO4	SW-846:6850	—	0.184	0.05	µg/L	1	J	J	J_LAB	GELC
Alluvial	CDV-16-02659	SINGLE	2	01/19/12	—	F	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Alluvial	MSC-16-06295	SINGLE	2	01/23/12	—	F	CS	ClO4	SW-846:6850	—	0.0557	0.05	µg/L	1	J	J	J_LAB	GELC
Intermediate Spring	Burning Ground Spring	SPRING	—	01/10/12	—	F	CS	ClO4	SW-846:6850	—	0.615	0.05	µg/L	1	—	—	—	GELC
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	—	F	CS	ClO4	SW-846:6850	—	0.689	0.05	µg/L	1	—	—	—	GELC
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	FD	F	CS	ClO4	SW-846:6850	—	0.707	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-26	MULTI	659	01/26/12	—	F	CS	ClO4	SW-846:6850	—	0.248	0.05	µg/L	1	—	—	—	GELC
Intermediate	16-26644	SINGLE	130	01/13/12	—	F	CS	ClO4	SW-846:6850	—	0.46	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-25b	SINGLE	750	01/23/12	—	F	CS	ClO4	SW-846:6850	—	0.294	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-25	MULTI	755	01/11/12	—	F	CS	ClO4	SW-846:6850	—	0.56	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-25	MULTI	892	01/12/12	—	F	CS	ClO4	SW-846:6850	—	0.281	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-25	MULTI	1192	01/12/12	—	F	CS	ClO4	SW-846:6850	—	0.502	0.05	µg/L	1	—	—	—	GELC
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	—	F	CS	ClO4	SW-846:6850	—	0.299	0.05	µg/L	1	—	—	—	GELC
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	FD	F	CS	ClO4	SW-846:6850	—	0.305	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-47i	SINGLE	840	01/24/12	—	F	CS	ClO4	SW-846:6850	—	0.235	0.05	µg/L	1	—	—	—	GELC
Intermediate	CDV-37-1(i)	SINGLE	632	01/24/12	—	F	CS	ClO4	SW-846:6850	—	0.125	0.05	µg/L	1	J	J	J_LAB	GELC
Regional	R-25	MULTI	1406	01/13/12	—	F	CS	ClO4	SW-846:6850	—	0.247	0.05	µg/L	1	—	—	—	GELC
Regional	R-25	MULTI	1606	01/17/12	—	F	CS	ClO4	SW-846:6850	—	0.253	0.05	µg/L	1	—	—	—	GELC
Regional	R-63	SINGLE	1325	01/20/12	—	F	CS	ClO4	SW-846:6850	—	0.233	0.05	µg/L	1	—	—	—	GELC
Regional	R-48	SINGLE	1500	01/18/12	FD	F	CS	ClO4	SW-846:6850	—	0.307	0.05	µg/L	1	—	—	—	GELC
Regional	R-48	SINGLE	1500	01/18/12	—	F	CS	ClO4	SW-846:6850	—	0.314	0.05	µg/L	1	—	—	—	GELC
Regional	R-48	SINGLE	1500	01/18/12	PEB	UF	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC

*— = None.

Table D-8
TA-16 260 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)
Alluvial	CDV-16-02656	SINGLE	3	01/20/12	Ba	F	CS	—*	—	3870	1	µg/L	GELC	—	—	—	SW-846:6010B	2000	1.94	1000	3.87
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	Ba	F	CS	—	—	13,700	1	µg/L	GELC	—	—	—	SW-846:6010B	2000	6.85	1000	13.7
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	Fe	F	CS	—	—	611	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	0.61
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	Mn	F	CS	—	—	463	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	2.32
Alluvial	CDV-16-02659	SINGLE	1.7	01/19/12	Ba	F	CS	—	—	8980	1	µg/L	GELC	—	—	—	SW-846:6010B	2000	4.49	1000	8.98
Alluvial	MSC-16-06295	SINGLE	1.5	01/23/12	Al	F	CS	—	—	7770	68	µg/L	GELC	—	—	—	SW-846:6010B	—	—	5000	1.55
Alluvial	MSC-16-06295	SINGLE	1.5	01/23/12	Fe	F	CS	—	—	4900	30	µg/L	GELC	N	J-	I6a	SW-846:6010B	—	—	1000	4.9
Alluvial	MSC-16-06295	SINGLE	1.5	01/23/12	Mn	F	CS	—	—	178	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	0.89
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	B	F	CS	FD	—	1260	15	µg/L	GELC	—	—	—	SW-846:6010B	—	—	750	1.68
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	B	F	CS	—	—	1290	15	µg/L	GELC	—	—	—	SW-846:6010B	—	—	750	1.72
Intermediate	R-25	MULTI	891.8	01/12/12	Co	F	CS	—	—	36.8	1	µg/L	GELC	—	—	—	SW-846:6010B	—	—	50	0.74
Intermediate	R-25	MULTI	891.8	01/12/12	Fe	F	CS	—	—	20,900	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	20.9
Intermediate	R-25	MULTI	891.8	01/12/12	Mn	F	CS	—	—	686	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	3.43
Intermediate	R-25	MULTI	891.8	01/12/12	Ni	F	CS	—	—	3730	50	µg/L	GELC	—	—	—	SW-846:6020	—	—	200	18.65

*— = None.

Table D-9
TA-16 260 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)
Alluvial	CDV-16-02656	SINGLE	3	01/20/12	—*	UF	CS	VOA	Butanone[2-]	78-93-3	—	2.47	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	7100	—	—	—
Alluvial	CDV-16-02656	SINGLE	3	01/20/12	—	UF	CS	VOA	Chloromethane	74-87-3	—	0.3	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Alluvial	CDV-16-02659	SINGLE	1.7	01/19/12	—	UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	—	2.43	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	73	0.03	—	—
Alluvial	CDV-16-02659	SINGLE	1.7	01/19/12	—	UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	—	2.09	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	73	0.03	—	—
Alluvial	CDV-16-02659	SINGLE	1.7	01/19/12	—	UF	CS	HEXP	HMX	2691-41-0	—	6.72	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1800	—	—	—
Alluvial	CDV-16-02659	SINGLE	1.7	01/19/12	—	UF	CS	HEXP	RDX	121-82-4	—	2.63	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	0.43	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	—	UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	—	0.195	0.087	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	73	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	—	UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	—	0.138	0.087	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	73	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	—	UF	DL	HEXP	HMX	2691-41-0	—	28.5	0.44	µg/L	10	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1800	0.02	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	—	UF	CS	HEXP	MNX	MNX	—	0.4	0.091	µg/L	1	JP	J	J_LAB	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	—	UF	CS	HEXP	RDX	121-82-4	—	5.11	0.087	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	0.84	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	—	UF	CS	HEXP	TNX	TNX	—	0.11	0.082	µg/L	1	JP	J	J_LAB	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Alluvial	CDV-16-611923	SINGLE	3.2	01/25/12	EQB	UF	CS	VOA	Diethyl Ether	60-29-7	—	0.65	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	7300	—	—	—
Alluvial	MSC-16-06295	SINGLE	1.5	01/23/12	—	UF	CS	HEXP	HMX	2691-41-0	—	0.261	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	1800	—	—	—
Intermediate	16-26644	SINGLE	130	01/13/12	—	UF	CS	HEXP	HMX	2691-41-0	—	0.123	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	1800	—	—	—
Intermediate	16-26644	SINGLE	130	01/13/12	—	UF	CS	HEXP	RDX	121-82-4	—	2.75	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	0.45	—	—	—	—
Intermediate	16-26644	SINGLE	130	01/13/12	—	UF	CS	HEXP	Trinitrobenzene[1,3,5-]	99-35-4	—	0.337	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1100	—	—	—
Intermediate	16-26644	SINGLE	130	01/13/12	—	UF	CS	VOA	Tetrachloroethene	127-18-4	—	2.85	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	5	0.57	1.1	2.59	—	—	20	0.14
Intermediate	16-26644	SINGLE	130	01/13/12	—	UF	CS	VOA	Trichloroethene	79-01-6	—	2.13	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	5	0.43	20	0.11	—	—	100	0.02
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	FD	UF	CS	HEXP	HMX	2691-41-0	—	0.526	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1800	—	—	—
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	—	UF	CS	HEXP	HMX	2691-41-0	—	0.509	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1800	—	—	—
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	—	UF	CS	HEXP	MNX	MNX	—	0.31	0.091	µg/L	1	J	J	J_LAB	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	—	UF	DL	HEXP	RDX	121-82-4	—	82.3	1	µg/L	20	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	13.49	—	—	—	—
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	—	UF	DL	HEXP	RDX	121-82-4	—	80.3	1	µg/L	20	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	13.16	—	—	—	—
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	FD	UF	CS	HEXP	Trinitrobenzene[1,3,5-]	99-35-4	—	0.162	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	1100	—	—	—
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	FD	UF	CS	VOA	Methyl tert-Butyl Ether	1634-04-4	—	0.41	0.25	µg/L	1	J	J	V7d	SW-846:8260B	GELC	—	—	120	—	—	—	—	—

Table D-9 (continued)

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	CdV-16-2(i)r	SINGLE	850	01/18/12	—	UF	CS	VOA	Methyl tert-Butyl Ether	1634-04-4	—	0.4	0.25	µg/L	1	J	J	V7d	SW-846:8260B	GELC	—	—	120	—	—	—	—	—
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	FD	UF	CS	VOA	Tetrachloroethene	127-18-4	—	0.57	0.3	µg/L	1	J	J	V7d	SW-846:8260B	GELC	5	0.11	1.1	0.52	—	—	20	0.03
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	—	UF	CS	VOA	Tetrachloroethene	127-18-4	—	0.59	0.3	µg/L	1	J	J	V7d	SW-846:8260B	GELC	5	0.12	1.1	0.54	—	—	20	0.03
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	FD	UF	CS	VOA	Toluene	108-88-3	—	2.16	0.25	µg/L	1	—	J	V7d	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	—	UF	CS	VOA	Toluene	108-88-3	—	2.32	0.25	µg/L	1	—	J	V7d	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	FD	UF	CS	VOA	Trichloroethene	79-01-6	—	0.35	0.25	µg/L	1	J	J	V7d	SW-846:8260B	GELC	5	0.07	20	0.02	—	—	100	—
Intermediate	CdV-16-2(i)r	SINGLE	850	01/18/12	—	UF	CS	VOA	Trichloroethene	79-01-6	—	0.38	0.25	µg/L	1	J	J	V7d	SW-846:8260B	GELC	5	0.08	20	0.02	—	—	100	—
Intermediate	CDV-37-1(i)	SINGLE	632	01/24/12	—	UF	CS	VOA	Acetone	67-64-1	—	4.41	3.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	22,000	—	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	—	2.22	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	73	0.03	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	—	1.74	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	73	0.02	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	HEXP	Dinitrotoluene[2,4-]	121-14-2	—	0.538	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	2.2	0.24	—	—	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	HEXP	HMX	2691-41-0	—	2.93	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1800	—	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	HEXP	MNX	MNX	—	0.18	0.091	µg/L	1	JP	J	J_LAB	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	DL	HEXP	RDX	121-82-4	—	30.8	0.52	µg/L	10	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	5.05	—	—	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	HEXP	TNX	TNX	—	0.58	0.082	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	HEXP	Trinitrobenzene[1,3,5-]	99-35-4	—	1.01	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1100	—	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	HEXP	Trinitrotoluene[2,4,6-]	118-96-7	—	8.58	0.1	µg/L	2	—	J	HE7c	SW-846:8321A_MOD	GELC	—	—	22	0.39	—	—	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	EQB	UF	CS	VOA	Acetone	67-64-1	—	4.25	3.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	22,000	—	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	VOA	Chloromethane	74-87-3	—	0.38	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	VOA	Methyl tert-Butyl Ether	1634-04-4	—	0.32	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	120	—	—	—	—	—
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	VOA	Tetrachloroethene	127-18-4	—	0.54	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.11	1.1	0.49	—	—	20	0.03
Intermediate	R-25	MULTI	754.8	01/11/12	—	UF	CS	VOA	Trichloroethene	79-01-6	—	0.5	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.1	20	0.03	—	—	100	0.01
Intermediate	R-25	MULTI	891.8	01/12/12	—	UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	—	0.553	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	73	0.01	—	—
Intermediate	R-25	MULTI	891.8	01/12/12	—	UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	—	0.267	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	73	—	—	—
Intermediate	R-25	MULTI	891.8	01/12/12	—	UF	CS	HEXP	HMX	2691-41-0	—	4.42	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1800	—	—	—
Intermediate	R-25	MULTI	891.8	01/12/12	—	UF	CS	HEXP	MNX	MNX	—	0.27	0.091	µg/L	1	JP	J	J_LAB	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate	R-25	MULTI	891.8	01/12/12	—	UF	DL	HEXP	RDX	121-82-4	—	17.5	0.26	µg/L	5	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	2.87	—	—	—	—

Table D-9 (continued)

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	R-25	MULTI	891.8	01/12/12	—	UF	CS	HEXP	TNX	TNX	—	0.11	0.082	µg/L	1	JP	J	J_LAB	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate	R-25	MULTI	891.8	01/12/12	—	UF	CS	VOA	Methyl tert-Butyl Ether	1634-04-4	—	0.56	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	120	—	—	—	—	—
Intermediate	R-25	MULTI	891.8	01/12/12	—	UF	CS	VOA	Trichloroethene	79-01-6	—	0.45	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.09	20	0.02	—	—	100	—
Intermediate	R-25	MULTI	1192.4	01/12/12	—	UF	CS	HEXP	HMX	2691-41-0	—	0.115	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	1800	—	—	—
Intermediate	R-25	MULTI	1192.4	01/12/12	—	UF	CS	HEXP	MNX	MNX	—	0.17	0.091	µg/L	1	J	J	J_LAB	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate	R-25	MULTI	1192.4	01/12/12	—	UF	DL	HEXP	RDX	121-82-4	—	20.6	0.26	µg/L	5	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	3.38	—	—	—	—
Intermediate	R-25	MULTI	1192.4	01/12/12	—	UF	CS	HEXP	TNX	TNX	—	0.2	0.082	µg/L	1	JP	J	J_LAB	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate	R-25	MULTI	1192.4	01/12/12	—	UF	CS	VOA	Methyl tert-Butyl Ether	1634-04-4	—	1.03	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	120	0.01	—	—	—	—
Intermediate	R-25	MULTI	1192.4	01/12/12	—	UF	CS	VOA	Tetrachloroethene	127-18-4	—	0.31	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.06	1.1	0.28	—	—	20	0.02
Intermediate	R-25b	SINGLE	750	01/23/12	—	UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	—	0.169	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	73	—	—	—
Intermediate	R-25b	SINGLE	750	01/23/12	—	UF	CS	HEXP	HMX	2691-41-0	—	0.57	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1800	—	—	—
Intermediate	R-25b	SINGLE	750	01/23/12	—	UF	CS	HEXP	RDX	121-82-4	—	7.24	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	1.19	—	—	—	—
Intermediate	R-26	MULTI	659.3	01/26/12	—	UF	CS	VOA	Acetone	67-64-1	—	4.79	3.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	22,000	—	—	—
Intermediate	R-26	MULTI	659.3	01/26/12	—	UF	CS	VOA	Toluene	108-88-3	—	0.89	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Intermediate	R-26 PZ-2	MULTI	150	01/26/12	—	UF	CS	VOA	Tetrachloroethene	127-18-4	—	1.48	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	5	0.3	1.1	1.35	—	—	20	0.07
Intermediate Spring	Burning Ground Spring	SPRING	—	01/10/12	—	UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	—	0.302	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	73	—	—	—
Intermediate Spring	Burning Ground Spring	SPRING	—	01/10/12	—	UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	—	0.18	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	73	—	—	—
Intermediate Spring	Burning Ground Spring	SPRING	—	01/10/12	—	UF	CS	HEXP	HMX	2691-41-0	—	1.32	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1800	—	—	—
Intermediate Spring	Burning Ground Spring	SPRING	—	01/10/12	—	UF	DL	HEXP	RDX	121-82-4	—	19.7	0.26	µg/L	5	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	3.23	—	—	—	—
Intermediate Spring	Burning Ground Spring	SPRING	—	01/10/12	—	UF	CS	HEXP	TNX	TNX	—	0.48	0.082	µg/L	1	JP	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate Spring	Burning Ground Spring	SPRING	—	01/10/12	—	UF	CS	HEXP	Trinitrobenzene[1,3,5-]	99-35-4	—	0.53	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1100	—	—	—
Intermediate Spring	Burning Ground Spring	SPRING	—	01/10/12	—	UF	CS	VOA	Tetrachloroethene	127-18-4	—	1.67	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	5	0.33	1.1	1.52	—	—	20	0.08

Table D-9 (continued)

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 Spring	Burning Ground Spring	SPRING	—	01/10/12	—	UF	CS	VOA	Trichloroethene	79-01-6	—	1.78	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	5	0.36	20	0.09	—	—	100	0.02
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	FD	UF	CS	HEXP	3,5-Dinitroaniline	618-87-1	—	0.84	0.39	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	—	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	—	UF	CS	HEXP	3,5-Dinitroaniline	618-87-1	—	0.738	0.39	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	—	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	FD	UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	—	1.86	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	73	0.03	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	—	UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	—	1.63	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	73	0.02	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	FD	UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	—	1.65	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	73	0.02	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	—	UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	—	1.41	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	73	0.02	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	FD	UF	DL	HEXP	HMX	2691-41-0	—	15	1.3	µg/L	25	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1800	0.01	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	—	UF	DL	HEXP	HMX	2691-41-0	—	11.5	1	µg/L	20	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1800	0.01	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	FD	UF	CS	HEXP	MNX	MNX	—	0.54	0.091	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	—	UF	CS	HEXP	MNX	MNX	—	0.5	0.091	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	FD	UF	DL	HEXP	RDX	121-82-4	—	115	1.3	µg/L	25	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	18.85	—	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	—	UF	DL	HEXP	RDX	121-82-4	—	94.7	1	µg/L	20	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	15.52	—	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	FD	UF	CS	HEXP	TNX	TNX	—	0.13	0.082	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	—	UF	CS	HEXP	TNX	TNX	—	0.12	0.082	µg/L	1	P	—	—	SW-846:8330	STSL	—	—	—	—	—	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	FD	UF	CS	HEXP	Trinitrobenzene[1,3,5-]	99-35-4	—	0.815	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1100	—	—	—

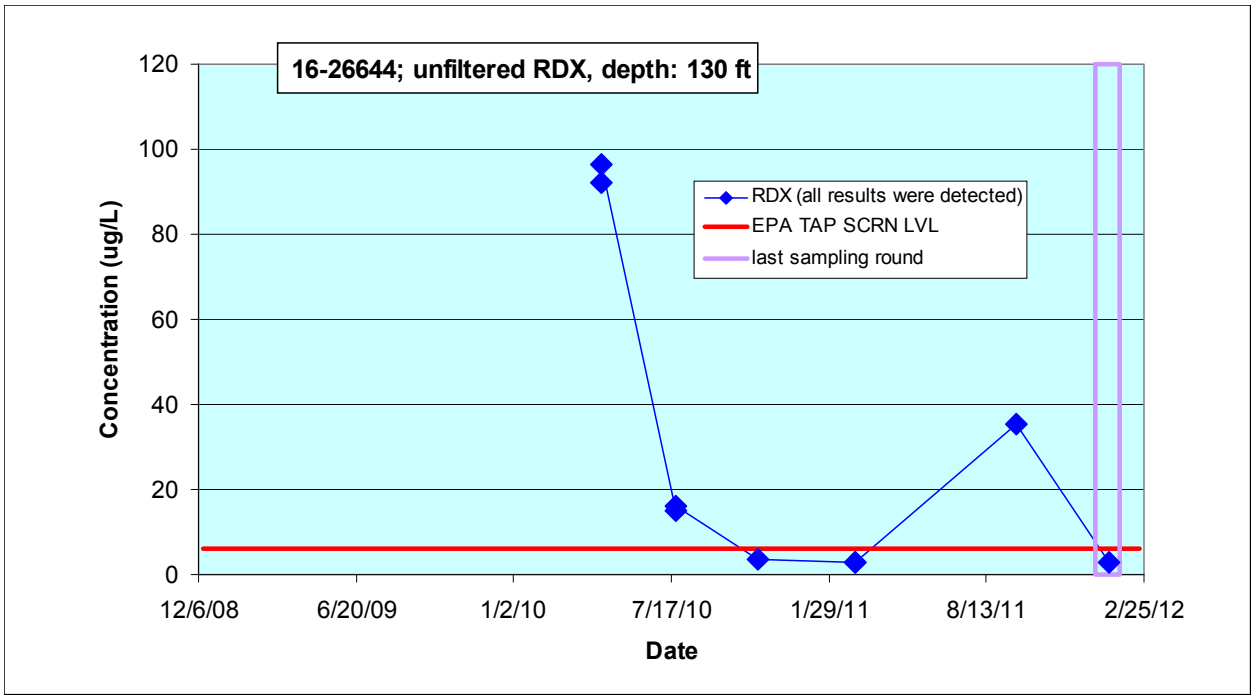
Table D-9 (continued)

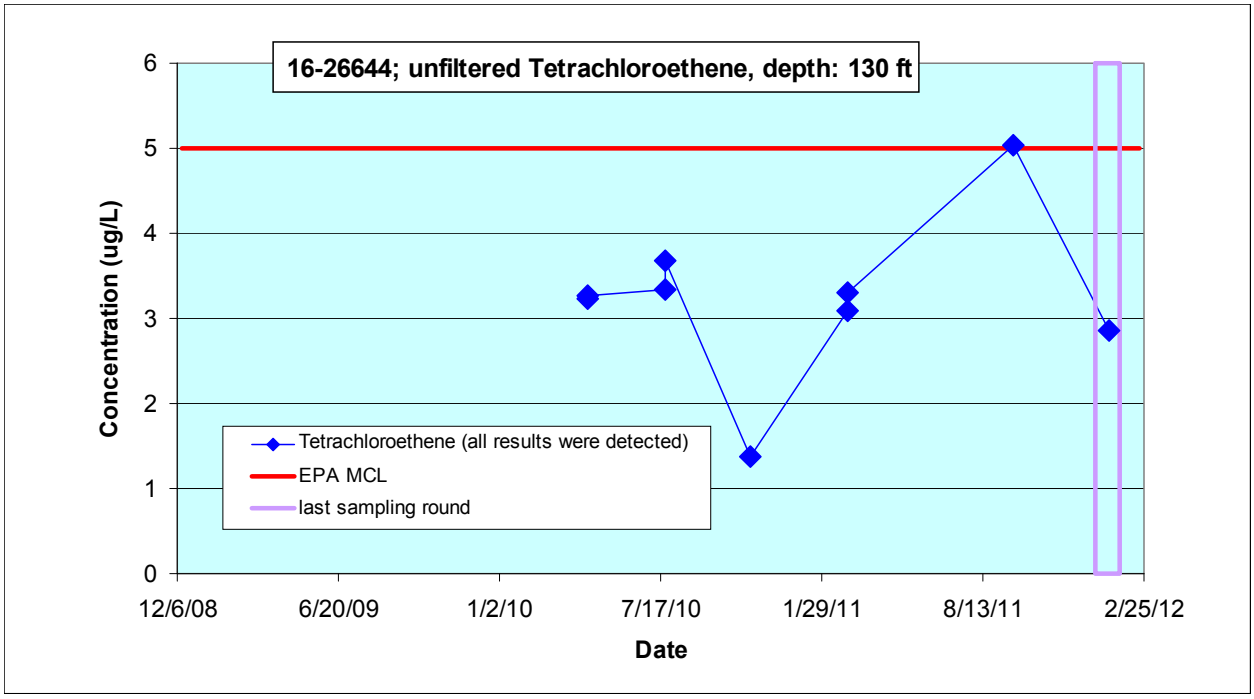
Zone	Location	Well Class	Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	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 Spring	Martin Spring	SPRING	—	01/18/12	—	UF	CS	HEXP	Trinitrobenzene[1,3,5-]	99-35-4	—	0.671	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	—	—	1100	—	—	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	FD	UF	CS	VOA	Trichloroethene	79-01-6	—	0.48	0.25	µg/L	1	J	J	V7d	SW-846:8260B	GELC	5	0.1	20	0.02	—	—	100	—
Intermediate Spring	Martin Spring	SPRING	—	01/18/12	—	UF	CS	VOA	Trichloroethene	79-01-6	—	0.46	0.25	µg/L	1	J	J	V7d	SW-846:8260B	GELC	5	0.09	20	0.02	—	—	100	—
Regional	R-18	SINGLE	1358	01/17/12	—	UF	CS	HEXP	RDX	121-82-4	—	1.02	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	0.17	—	—	—	—
Regional	R-25	MULTI	1303.4	01/13/12	—	UF	CS	HEXP	HMX	2691-41-0	—	0.174	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	1800	—	—	—
Regional	R-25	MULTI	1303.4	01/13/12	—	UF	CS	HEXP	RDX	121-82-4	—	0.208	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	6.1	0.03	—	—	—	—
Regional	R-25	MULTI	1303.4	01/13/12	—	UF	CS	VOA	Methyl tert-Butyl Ether	1634-04-4	—	0.32	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	120	—	—	—	—	—
Regional	R-25	MULTI	1406.3	01/13/12	—	UF	CS	HEXP	RDX	121-82-4	—	0.379	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	0.06	—	—	—	—
Regional	R-25	MULTI	1606	01/17/12	—	UF	CS	HEXP	Trinitrotoluene[2,4,6-]	118-96-7	—	0.124	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	22	0.01	—	—	—	—
Regional	R-63	SINGLE	1325	01/20/12	—	UF	CS	HEXP	RDX	121-82-4	—	1.45	0.1	µg/L	2	—	—	—	SW-846:8321A_MOD	GELC	—	—	6.1	0.24	—	—	—	—

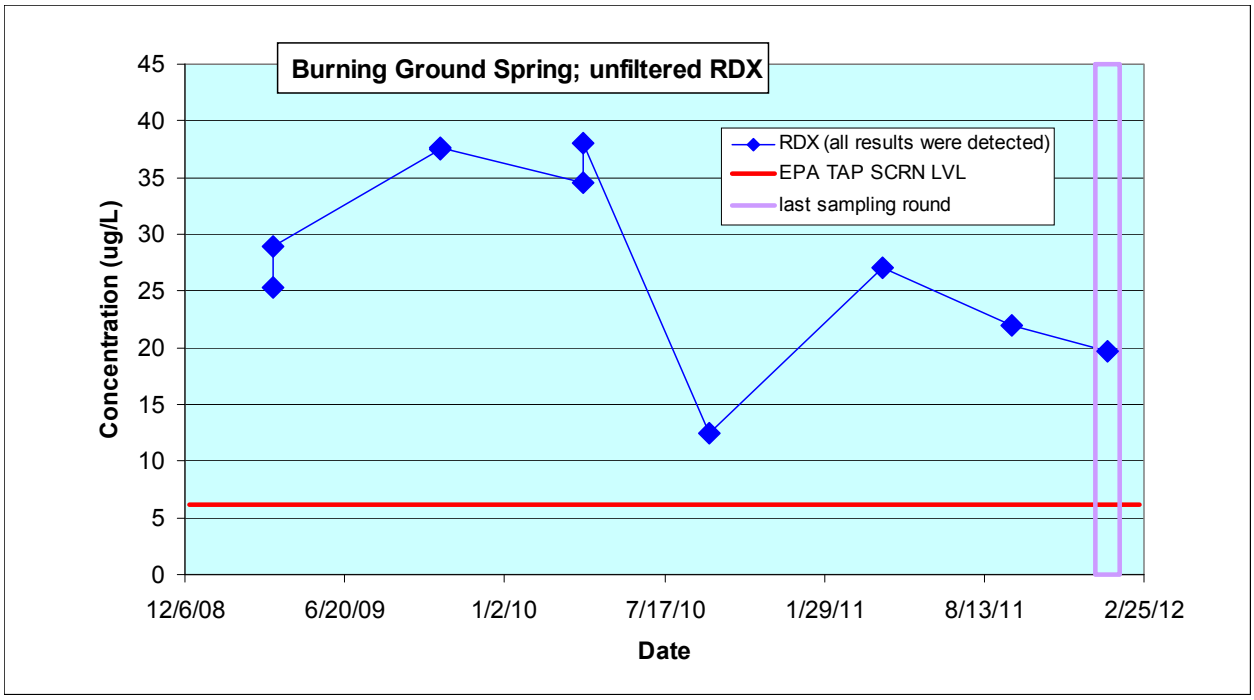
*— = None.

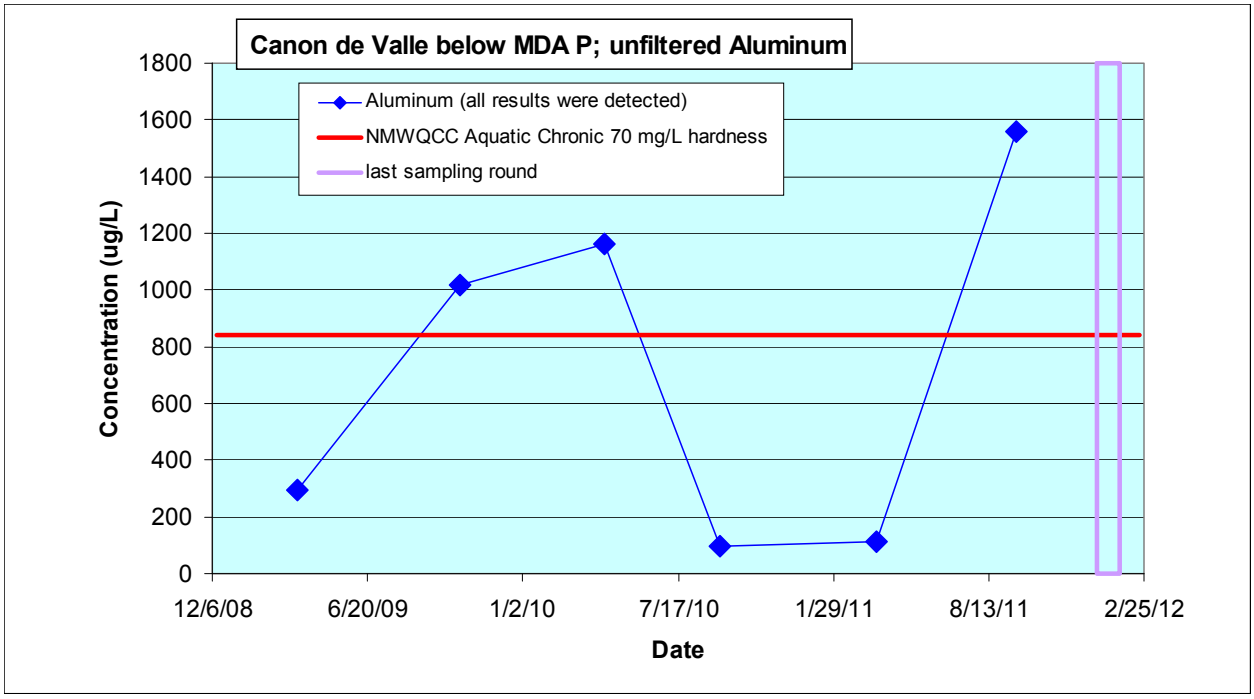
Appendix E

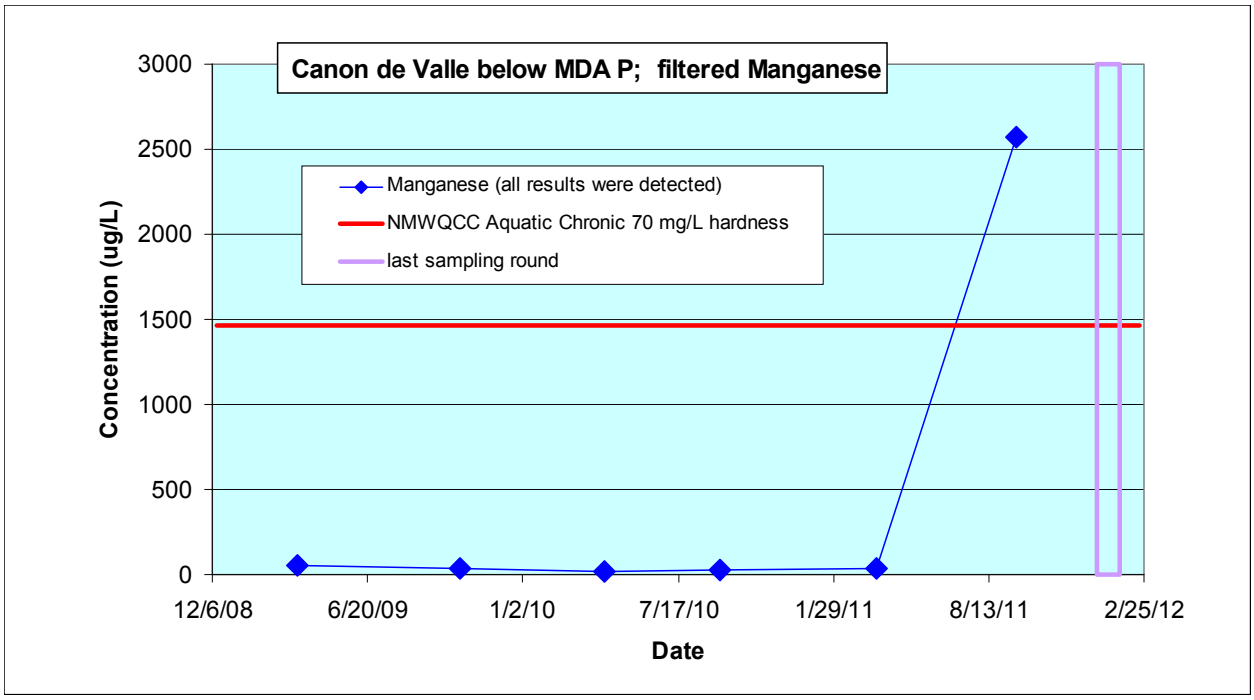
Analytical Chemistry Graphs of Screening-Level Exceedances

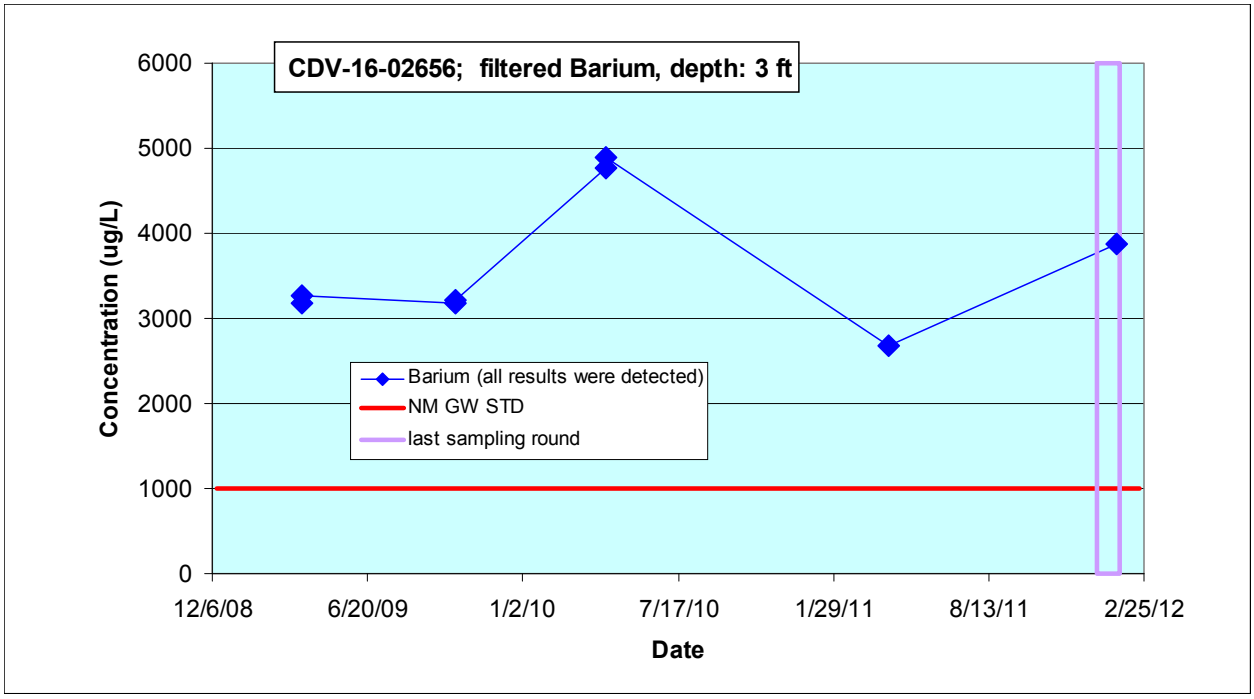

16-26644; unfiltered RDX, depth: 130 ft
Concentration (ug/L)
120
100
80
60
40
20
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
RDX (all results were detected)
EPA TAP SCRN LVL
last sampling round

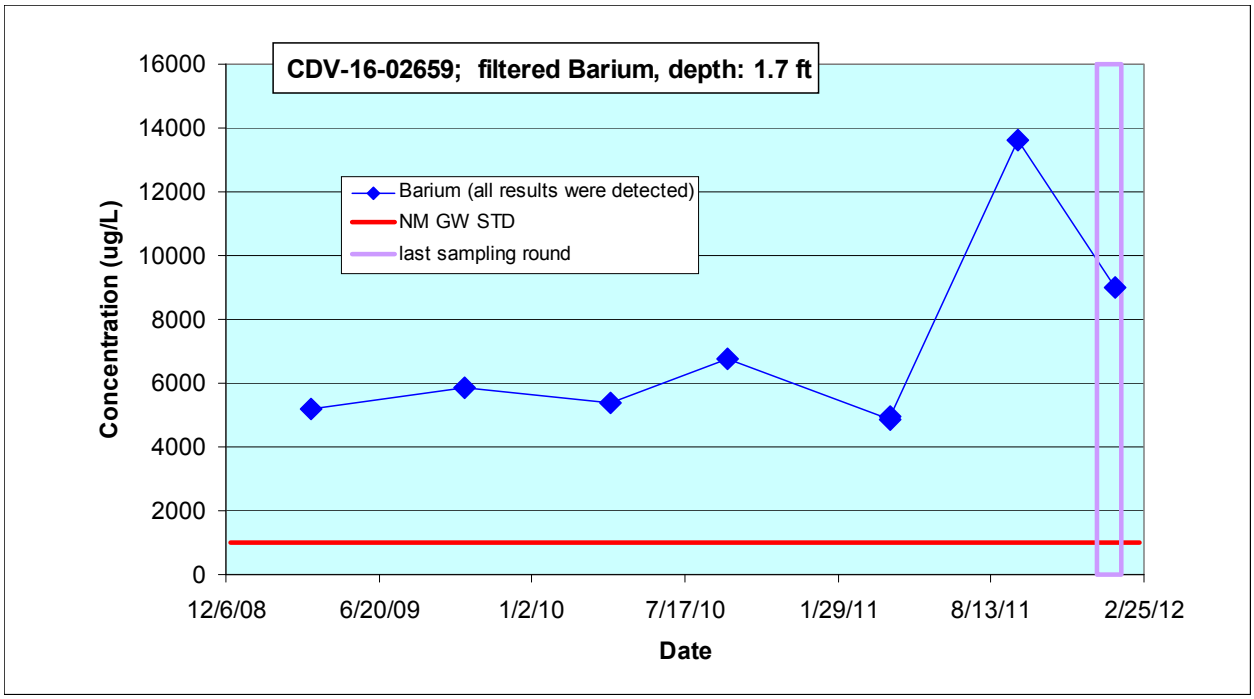

16-26644; unfiltered Tetrachloroethene, depth: 130 ft
Concentration (ug/L)
6
5
4
3
2
1
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
Tetrachloroethene (all results were detected)
EPA MCL
last sampling round

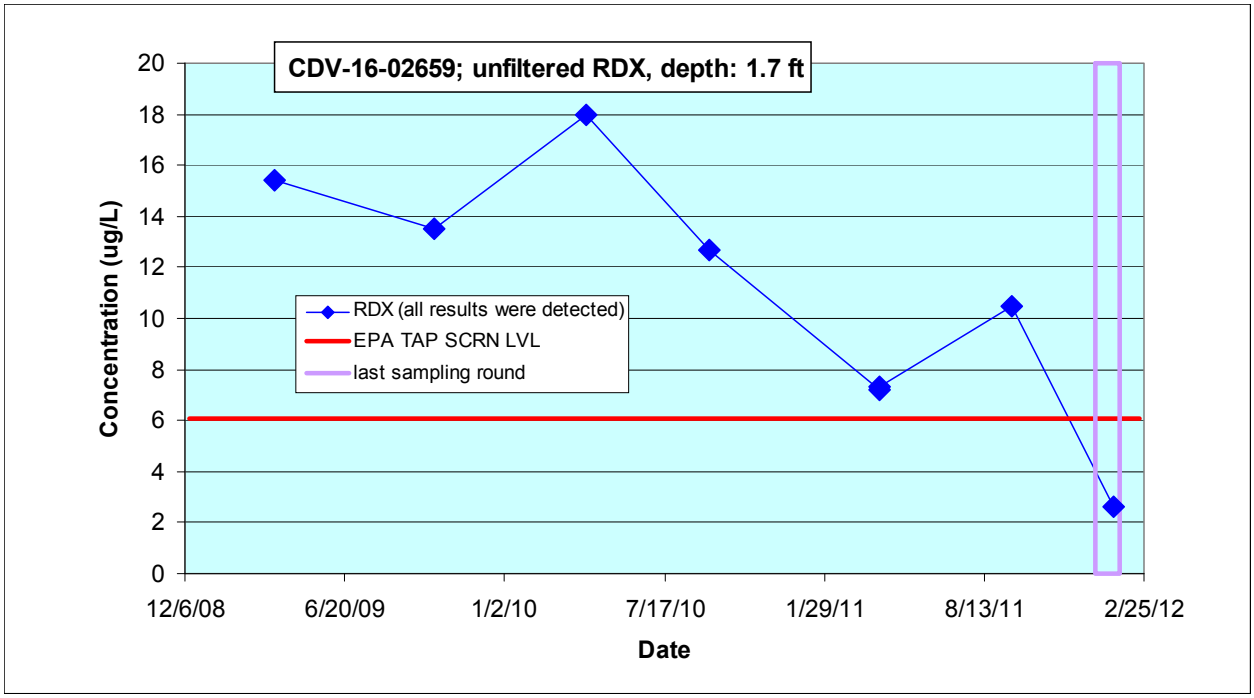

Burning Ground Spring; unfiltered RDX
RDX (all results were detected)
EPA TAP SCRN LVL
last sampling round
Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

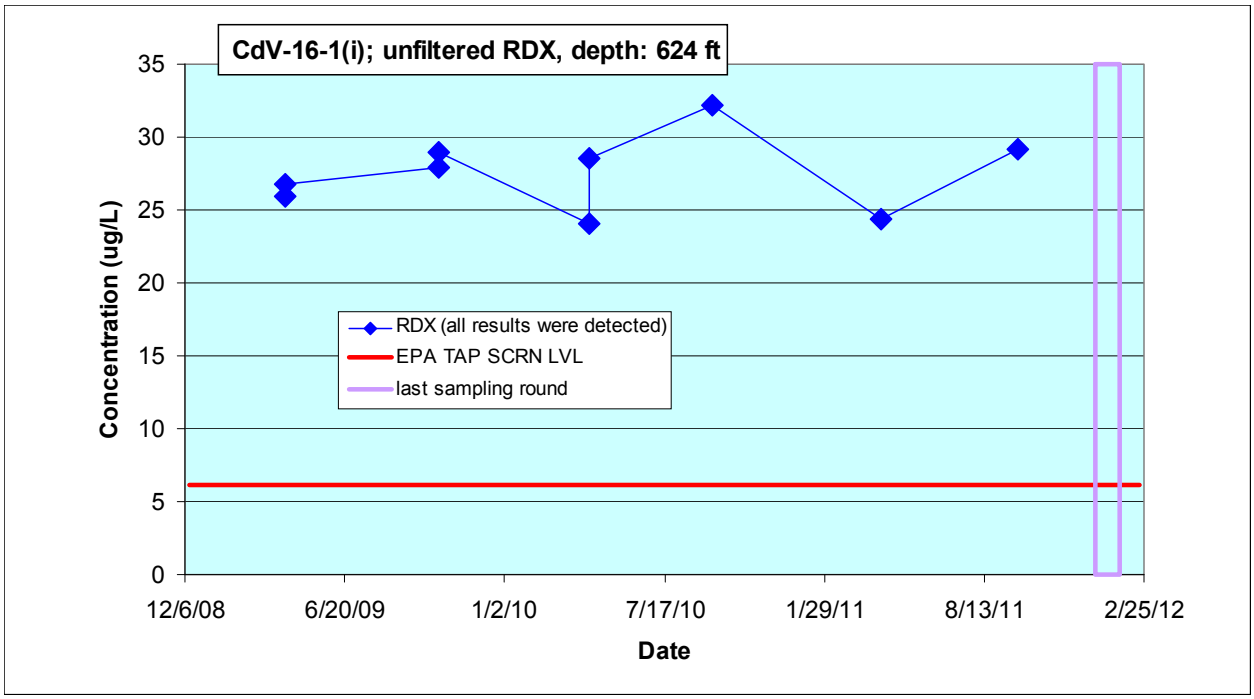

Canon de Valle below MDA P; unfiltered Aluminum
Aluminum (all results were detected)
NMWQCC Aquatic Chronic 70 mg/L hardness
last sampling round
Concentration (ug/L)
1800
1600
1400
1200
1000
800
600
400
200
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

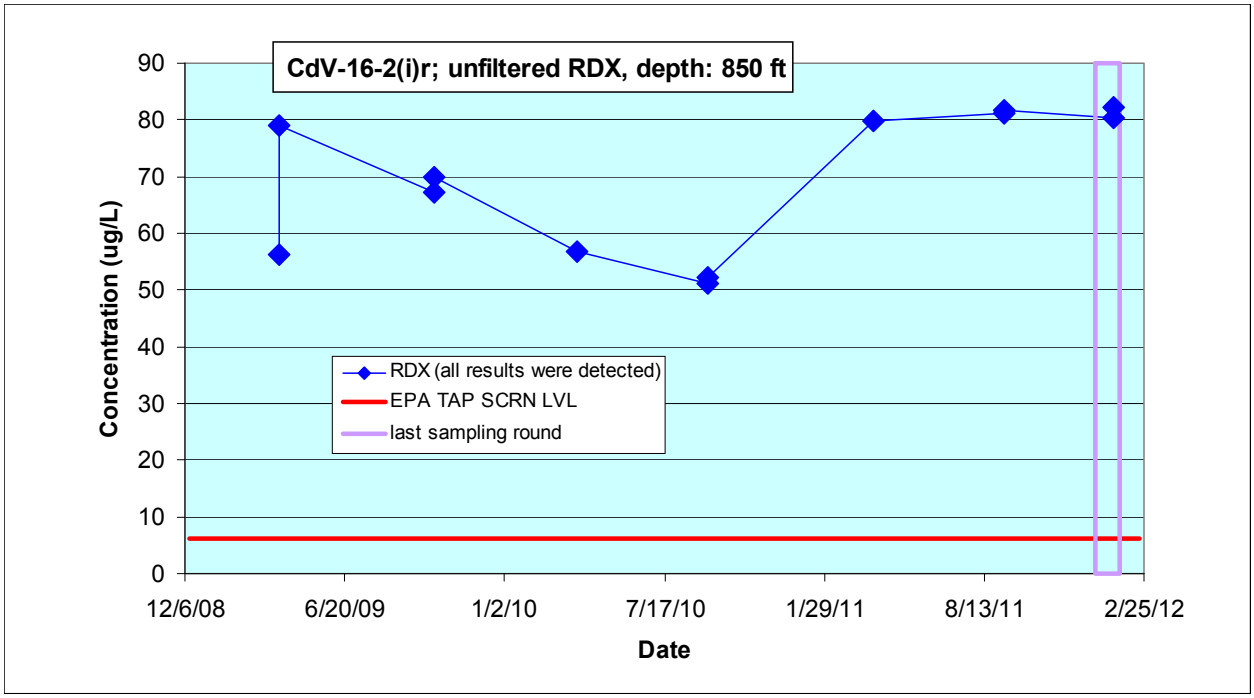

Canon de Valle below MDA P; filtered Manganese
Manganese (all results were detected)
NMWQCC Aquatic Chronic 70 mg/L hardness
last sampling round
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

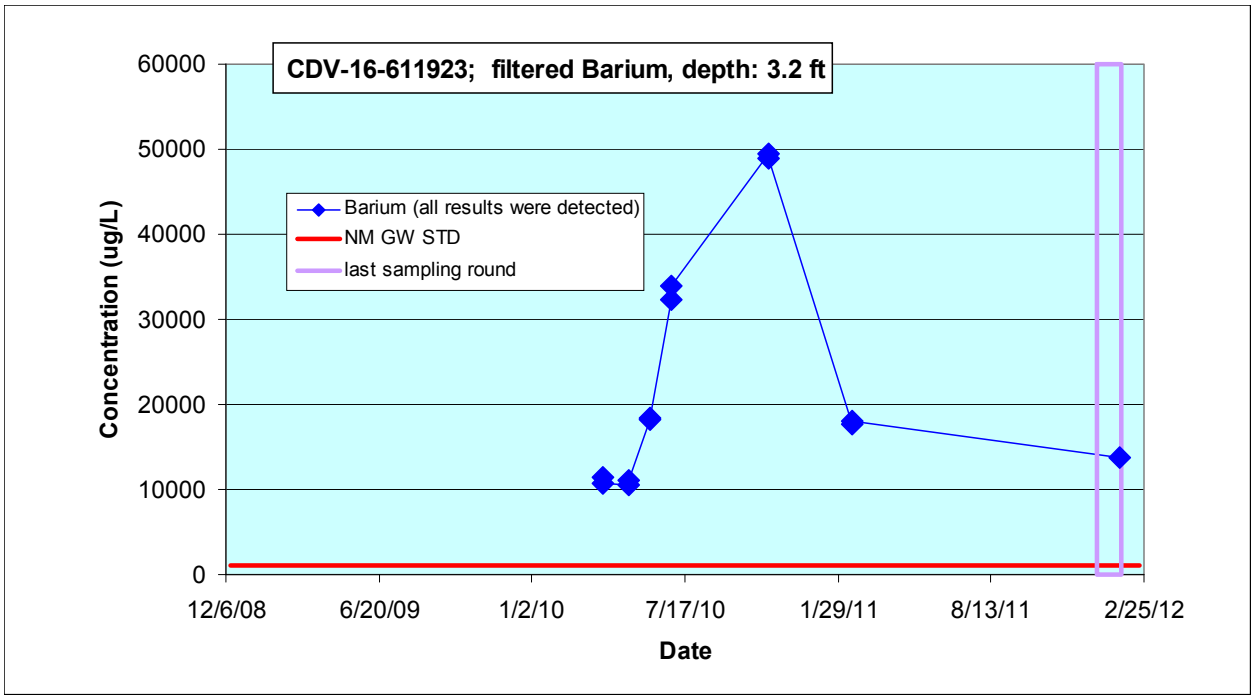

CDV-16-02656; filtered Barium, depth: 3 ft
Barium (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
6000
5000
4000
3000
2000
1000
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

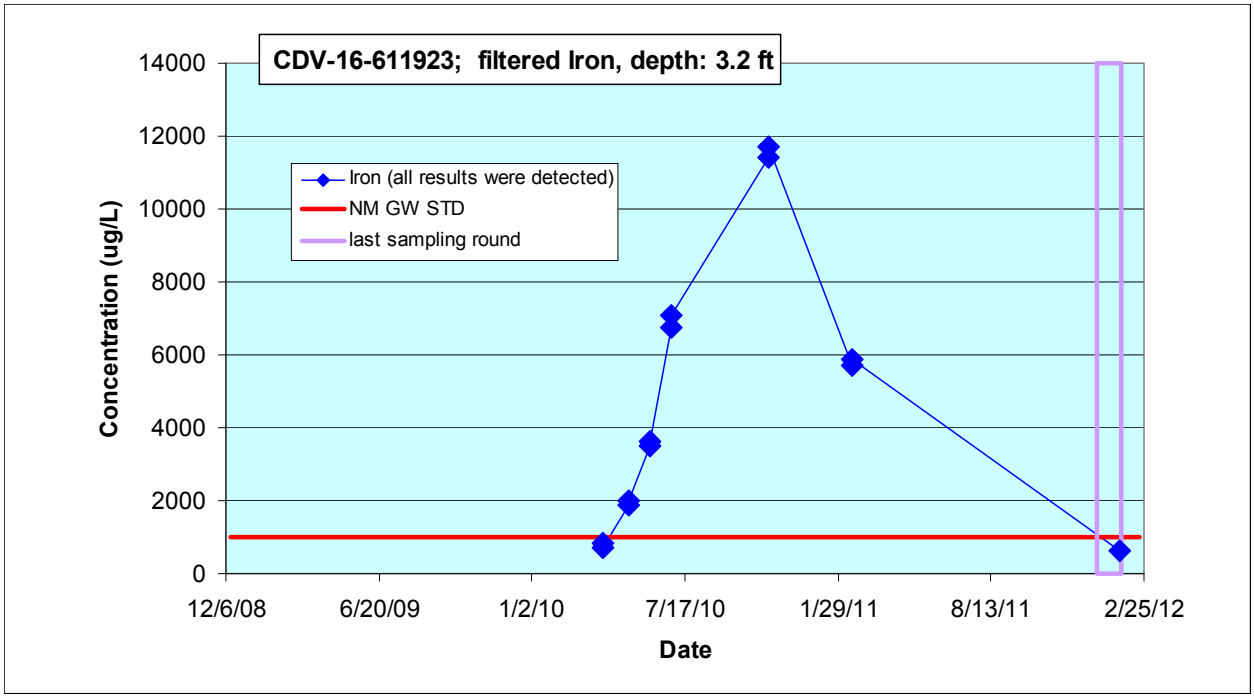

CDV-16-02659; filtered Barium, depth: 1.7 ft
Barium (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
16000
14000
12000
10000
8000
6000
4000
2000
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

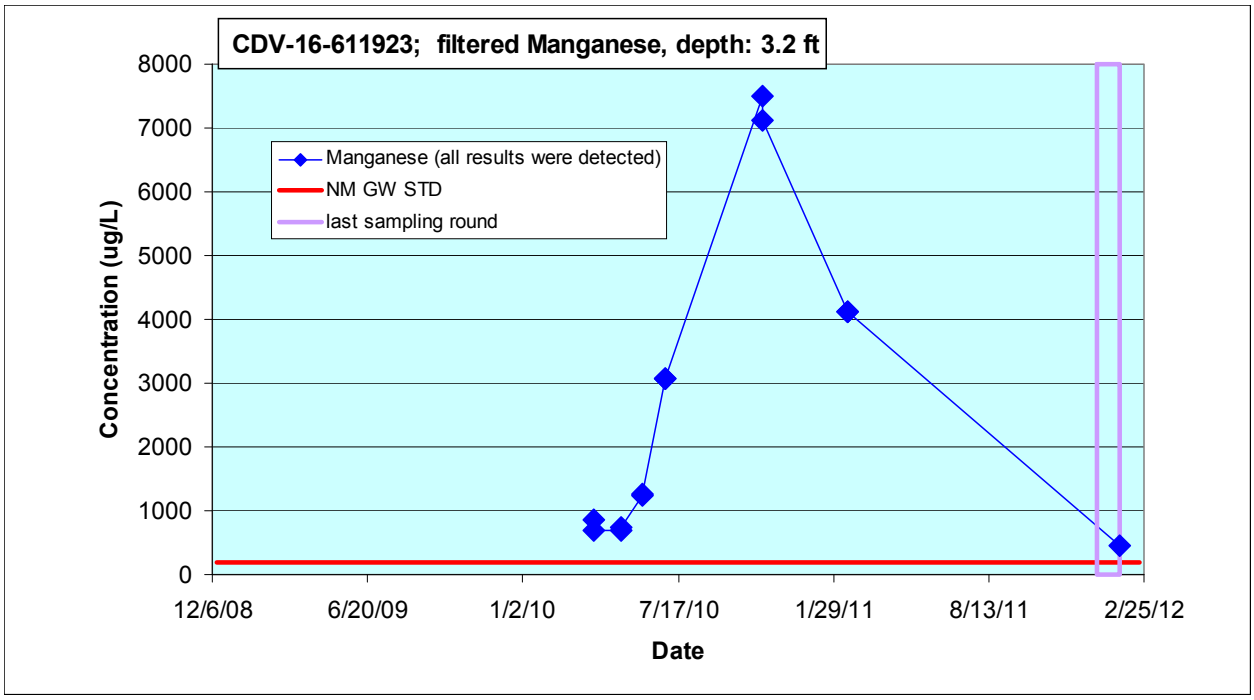

CDV-16-02659; unfiltered RDX, depth: 1.7 ft
RDX (all results were detected)
EPA TAP SCRN LVL
last sampling round
Concentration (ug/L)
20
18
16
14
12
10
8
6
4
2
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

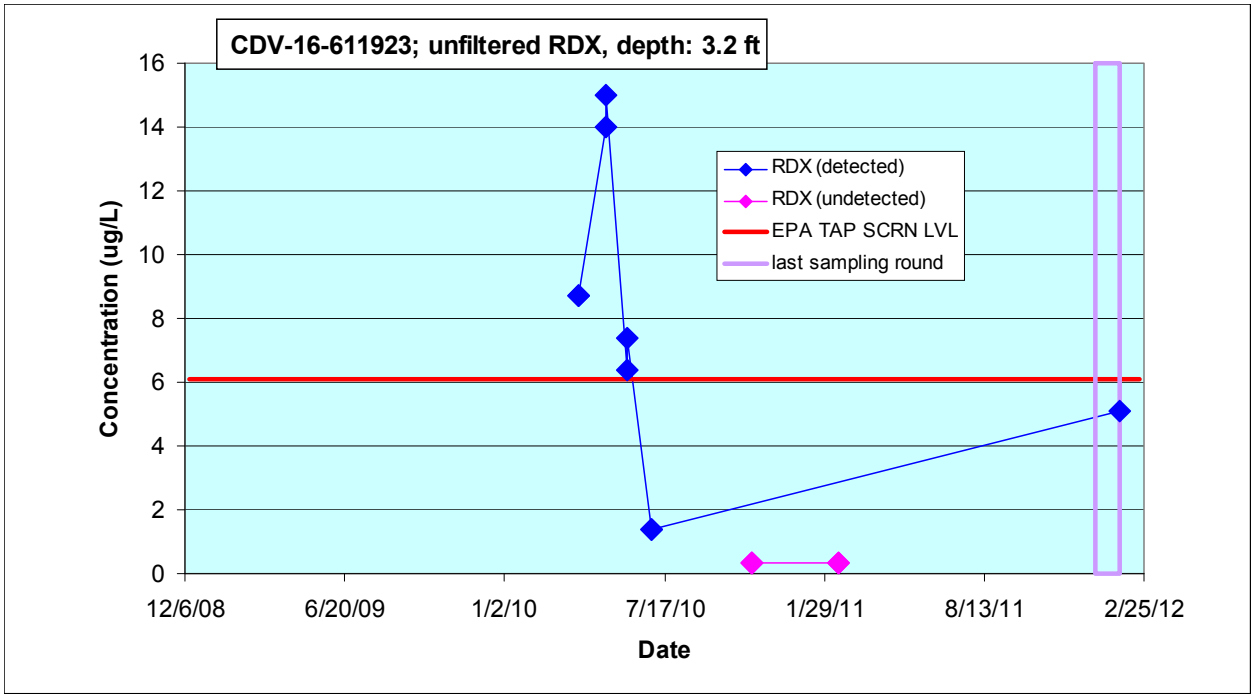

CdV-16-1(i); unfiltered RDX, depth: 624 ft
Concentration (ug/L)
0
5
10
15
20
25
30
35
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
RDX (all results were detected)
EPA TAP SCRN LVL
last sampling round

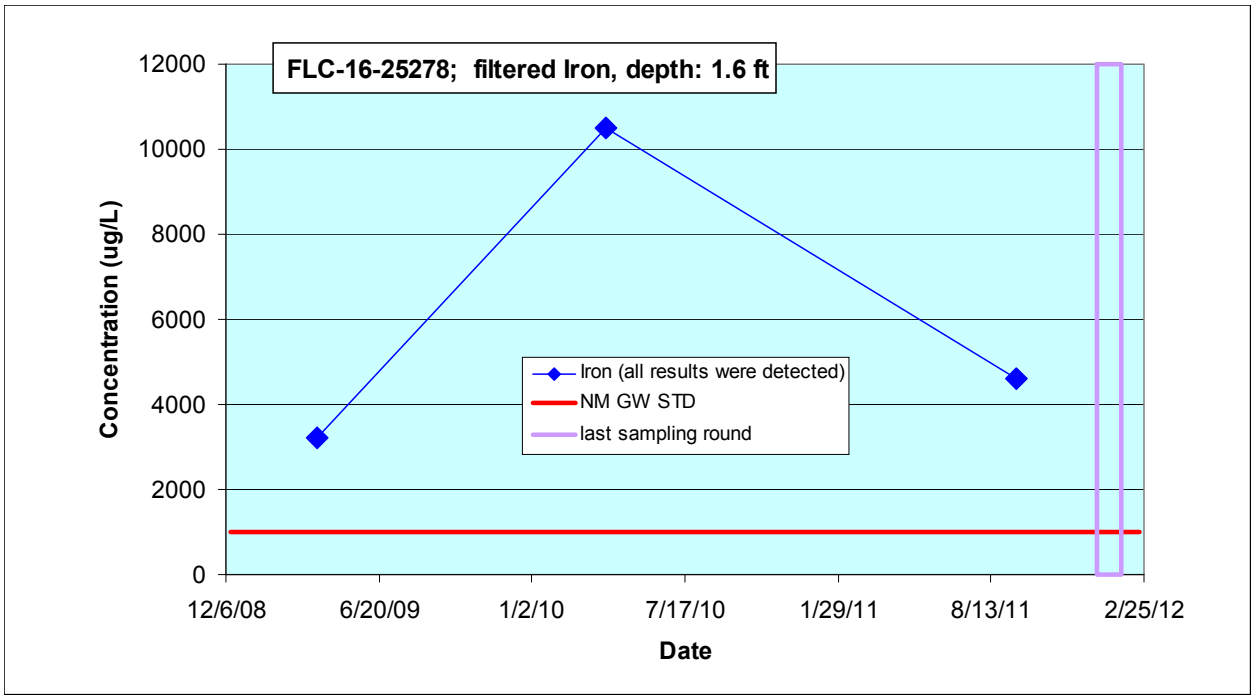

CdV-16-2(i)r; unfiltered RDX, depth: 850 ft
Concentration (ug/L)
0
10
20
30
40
50
60
70
80
90
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
RDX (all results were detected)
EPA TAP SCRN LVL
last sampling round

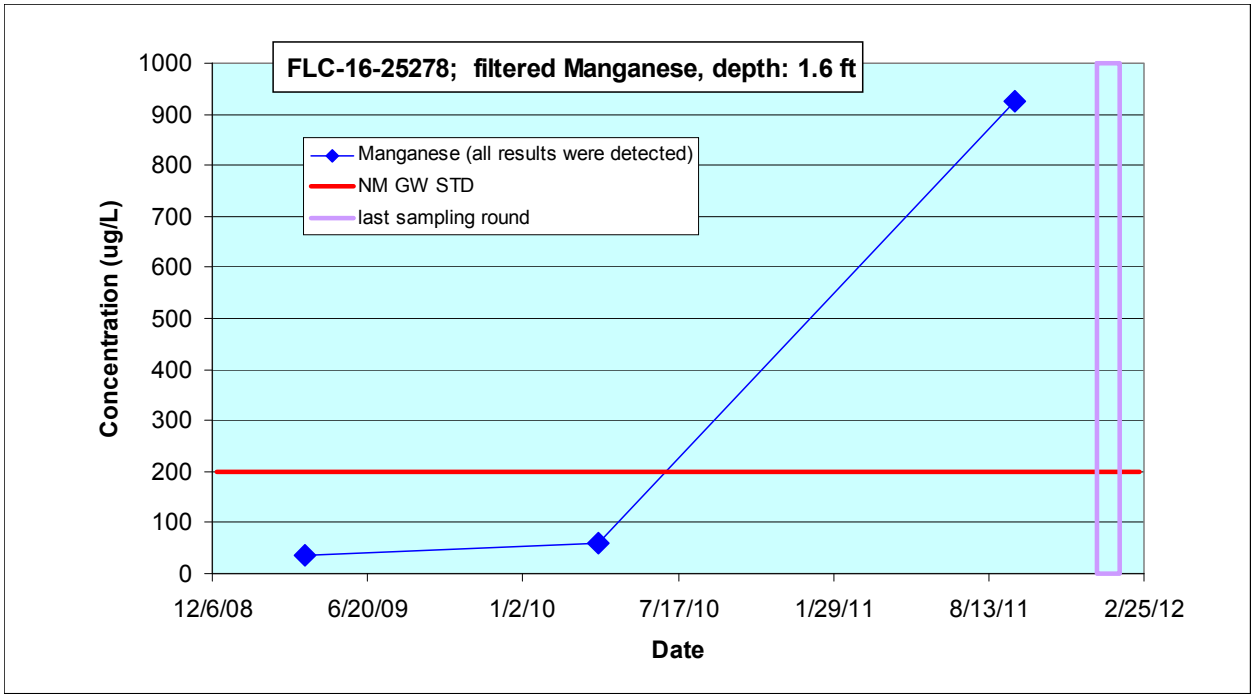

CDV-16-611923; filtered Barium, depth: 3.2 ft
Barium (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
60000
50000
40000
30000
20000
10000
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

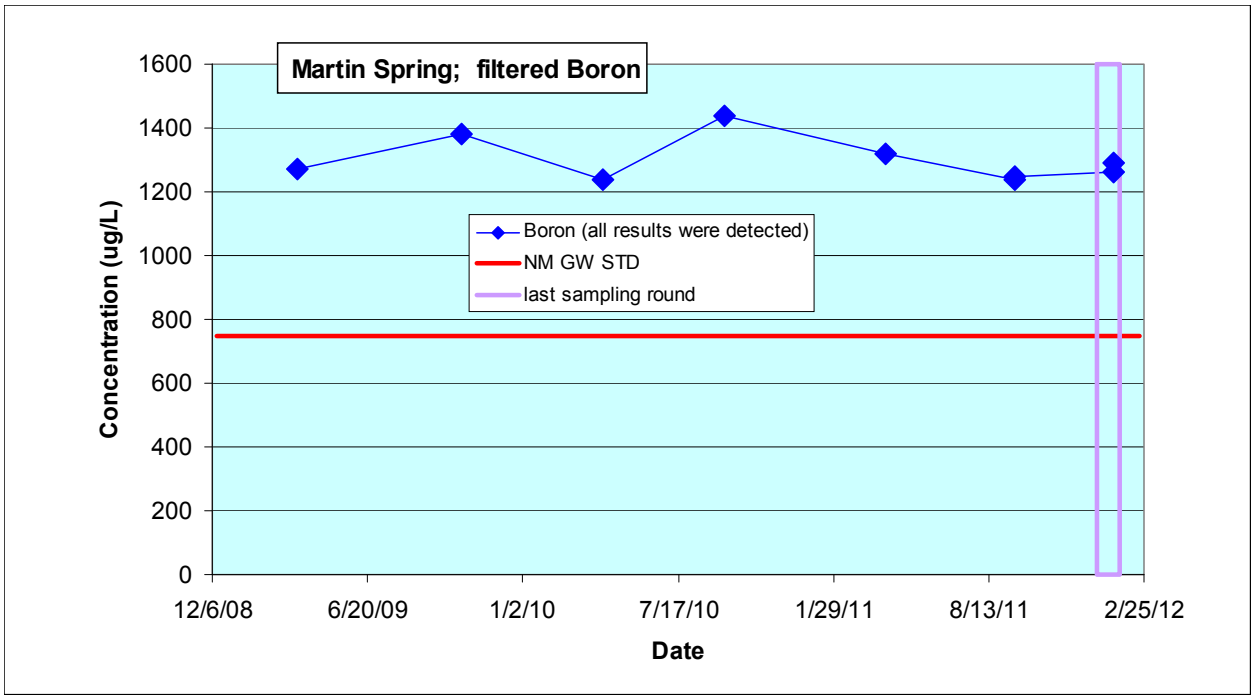

CDV-16-611923; filtered Iron, depth: 3.2 ft
Iron (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
14000
12000
10000
8000
6000
4000
2000
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

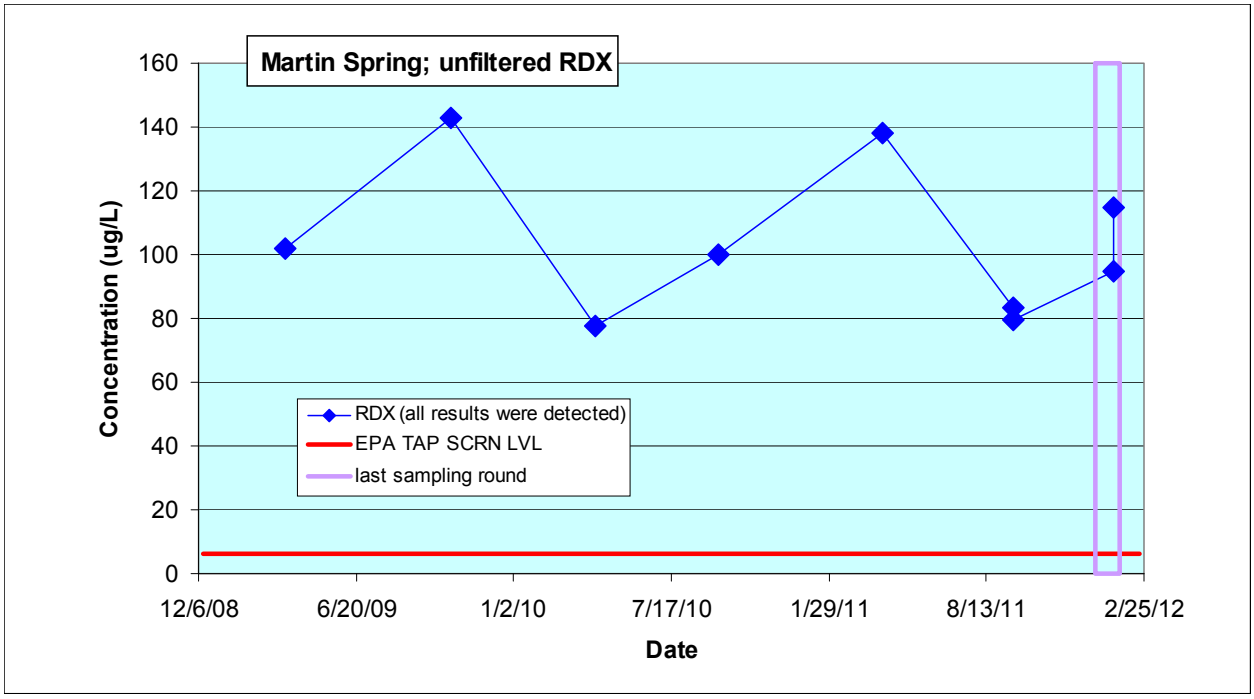

CDV-16-611923; filtered Manganese, depth: 3.2 ft
Manganese (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

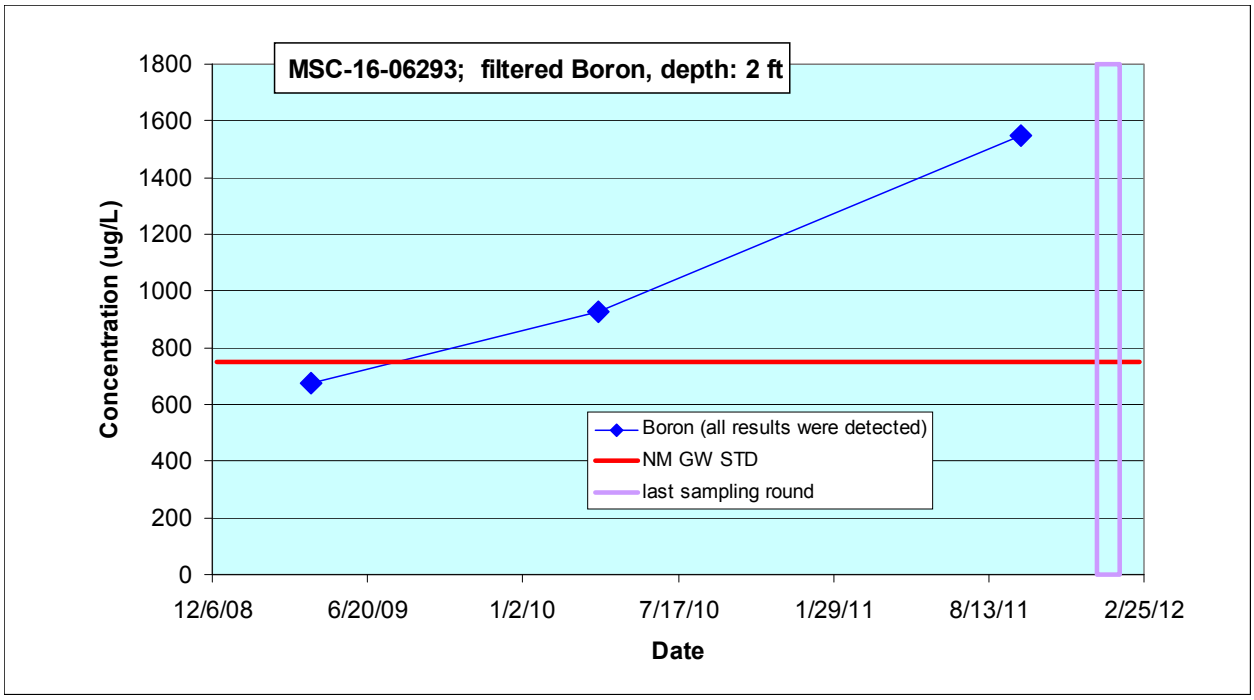

CDV-16-611923; unfiltered RDX, depth: 3.2 ft
RDX (detected)
RDX (undetected)
EPA TAP SCRN LVL
last sampling round
Concentration (ug/L)
16
14
12
10
8
6
4
2
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

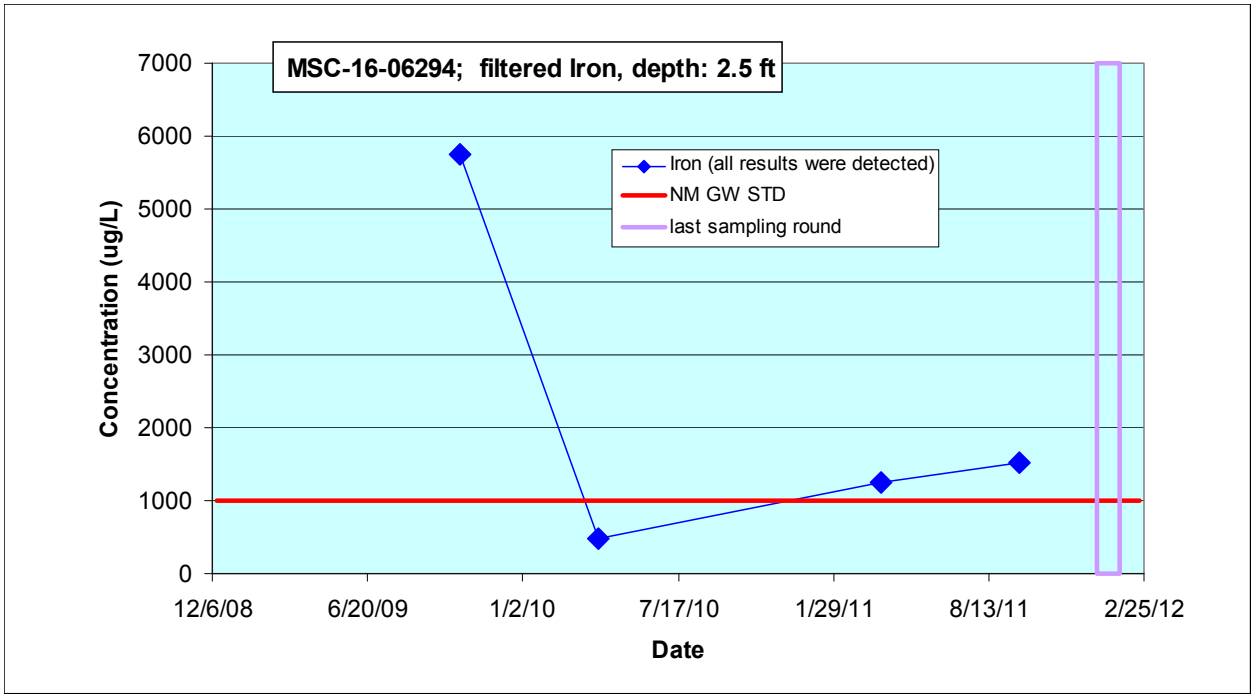

FLC-16-25278; filtered Iron, depth: 1.6 ft
Concentration (ug/L)
12000
10000
8000
6000
4000
2000
0
Iron (all results were detected)
NM GW STD
last sampling round
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

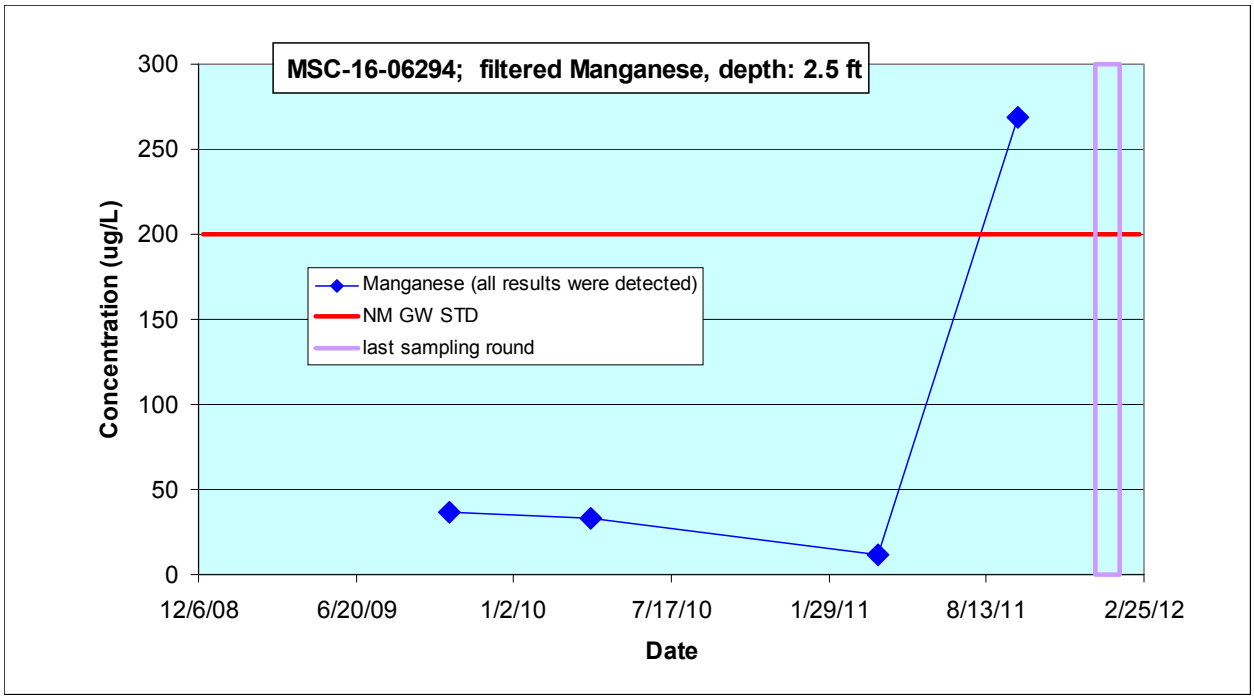

FLC-16-25278; filtered Manganese, depth: 1.6 ft
Concentration (ug/L)
1000
900
800
700
600
500
400
300
200
100
0
Manganese (all results were detected)
NM GW STD
last sampling round
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

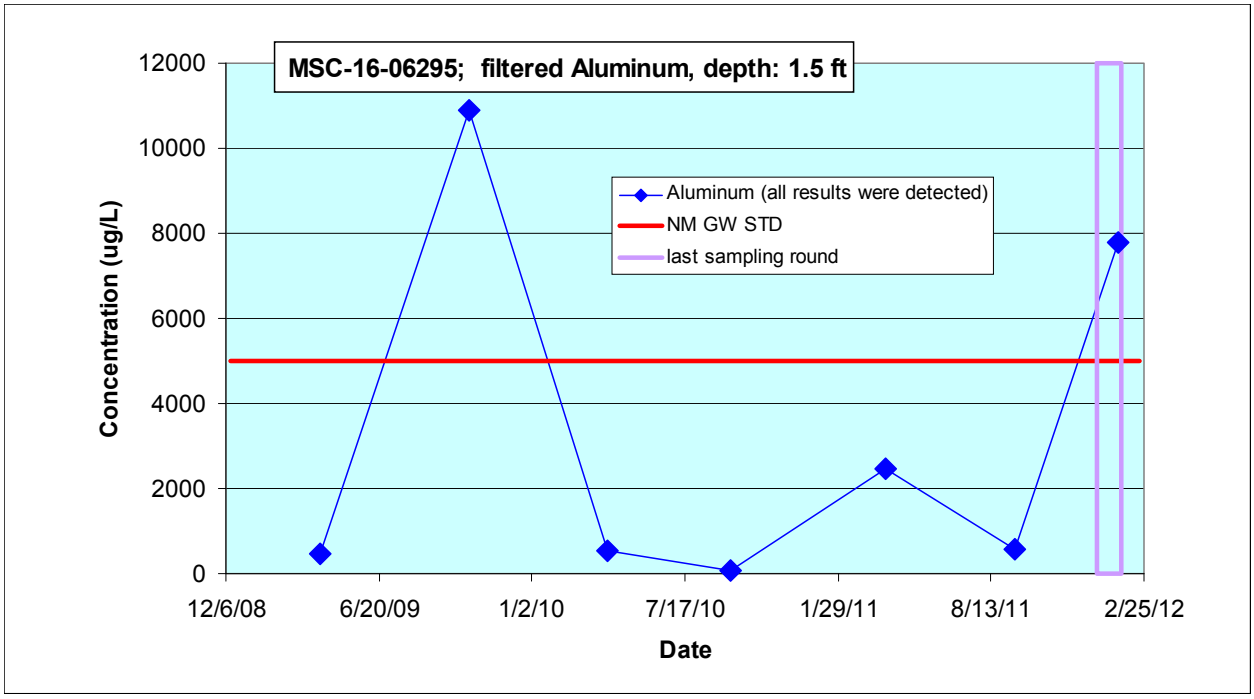

Martin Spring; filtered Boron
Concentration (ug/L)
1600
1400
1200
1000
800
600
400
200
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
Boron (all results were detected)
NM GW STD
last sampling round

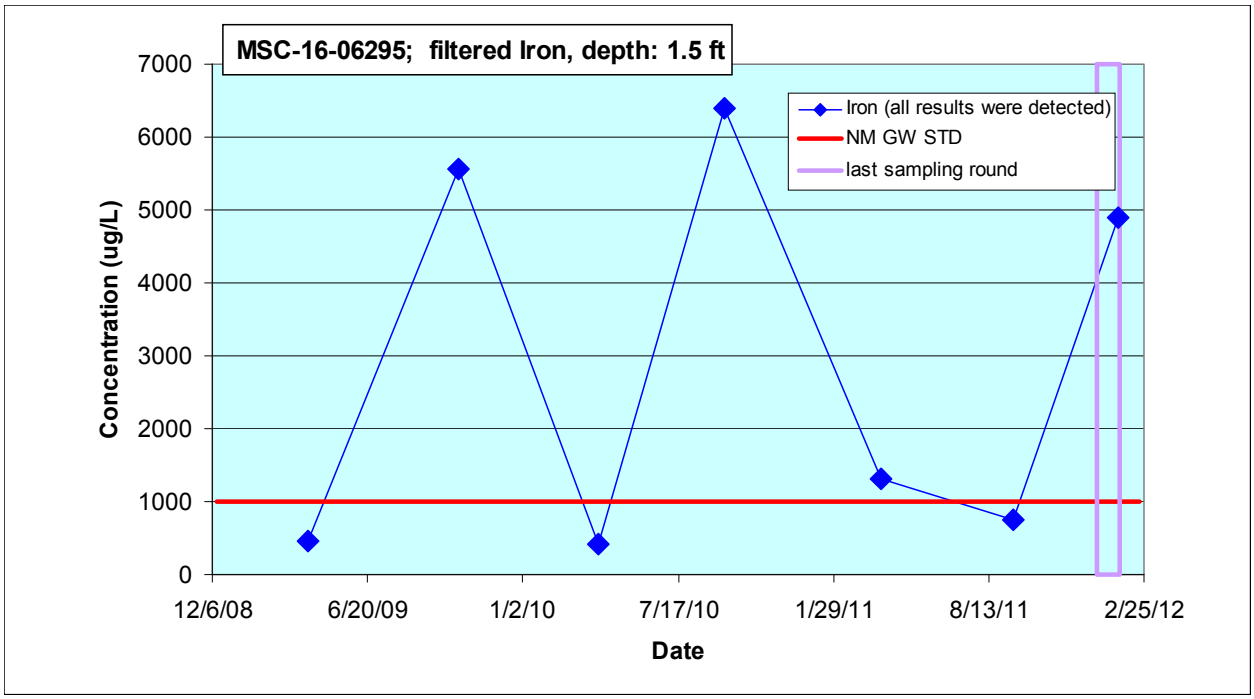

Martin Spring; unfiltered RDX
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
RDX (all results were detected)
EPA TAP SCRN LVL
last sampling round

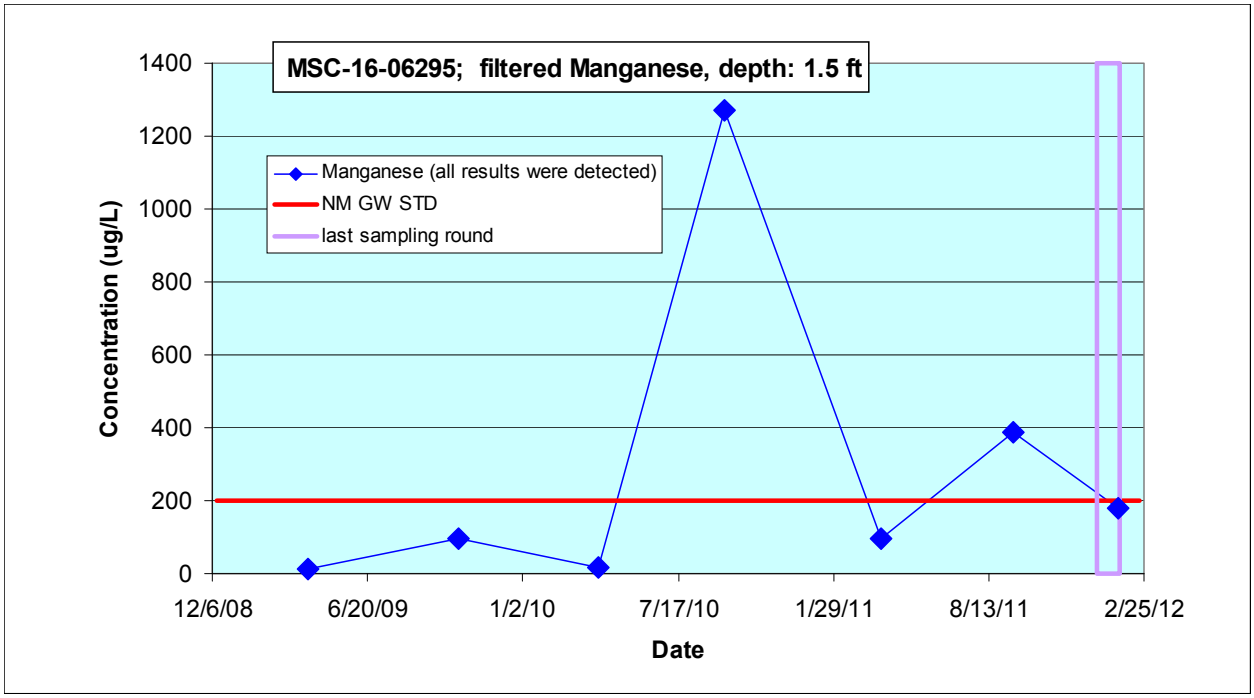

MSC-16-06293; filtered Boron, depth: 2 ft
Concentration (ug/L)
1800
1600
1400
1200
1000
800
600
400
200
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
Boron (all results were detected)
NM GW STD
last sampling round

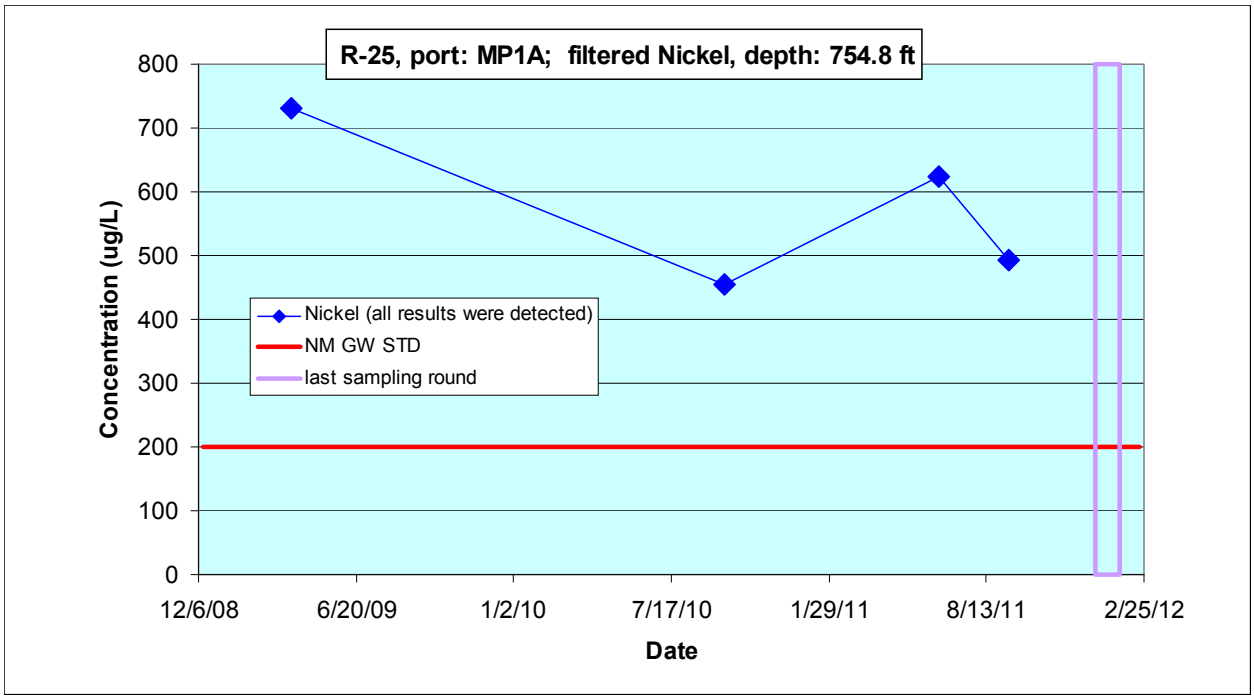

MSC-16-06294; filtered Iron, depth: 2.5 ft
Concentration (ug/L)
7000
6000
5000
4000
3000
2000
1000
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
Iron (all results were detected)
NM GW STD
last sampling round

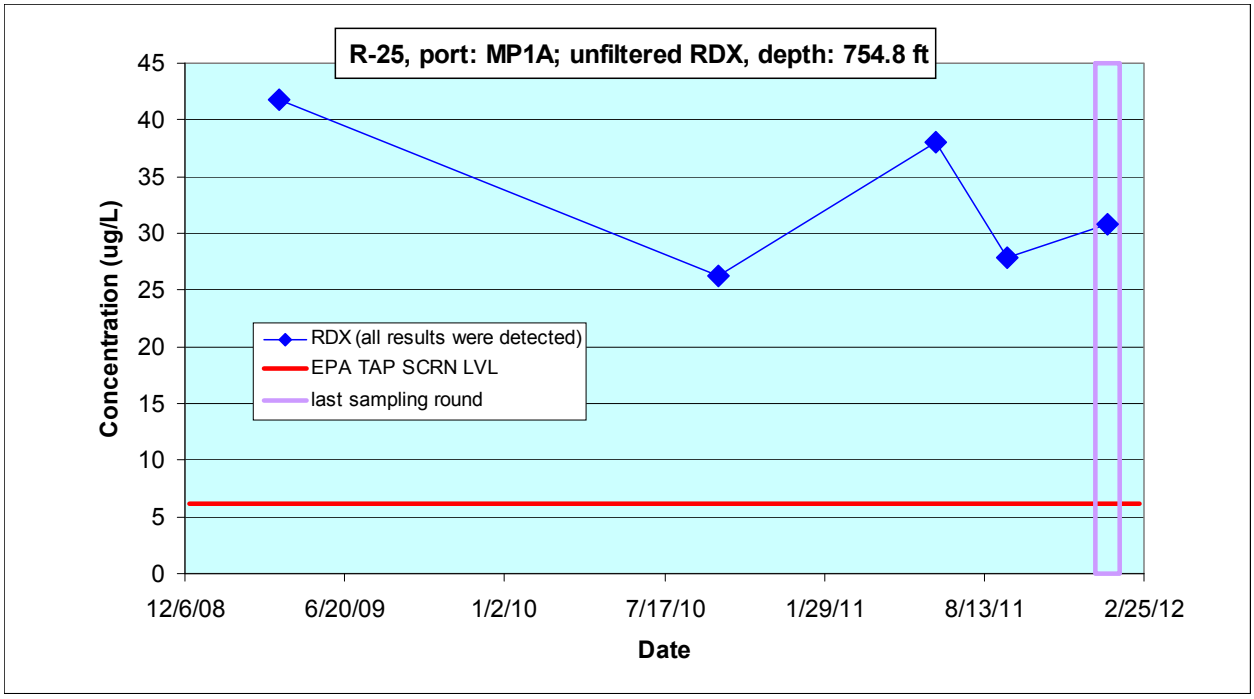

MSC-16-06294; filtered Manganese, depth: 2.5 ft
Concentration (ug/L)
300
250
200
150
100
50
0
Manganese (all results were detected)
NM GW STD
last sampling round
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

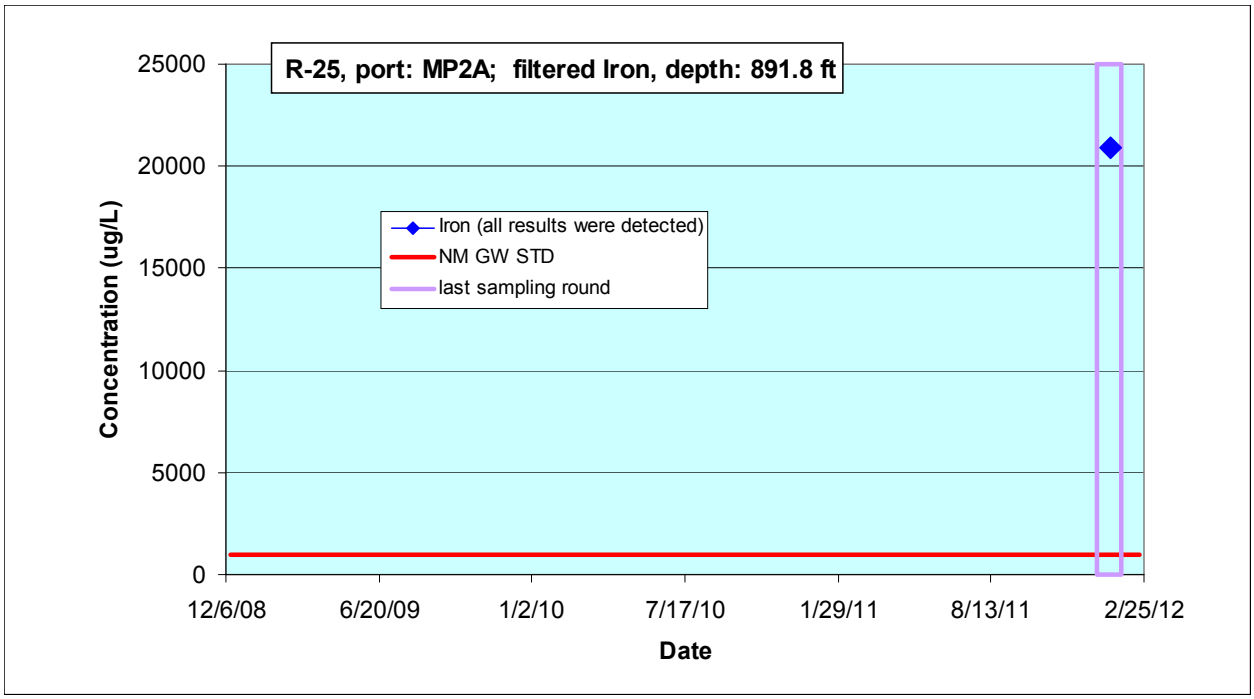

MSC-16-06295; filtered Aluminum, depth: 1.5 ft
Concentration (ug/L)
12000
10000
8000
6000
4000
2000
0
Aluminum (all results were detected)
NM GW STD
last sampling round
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

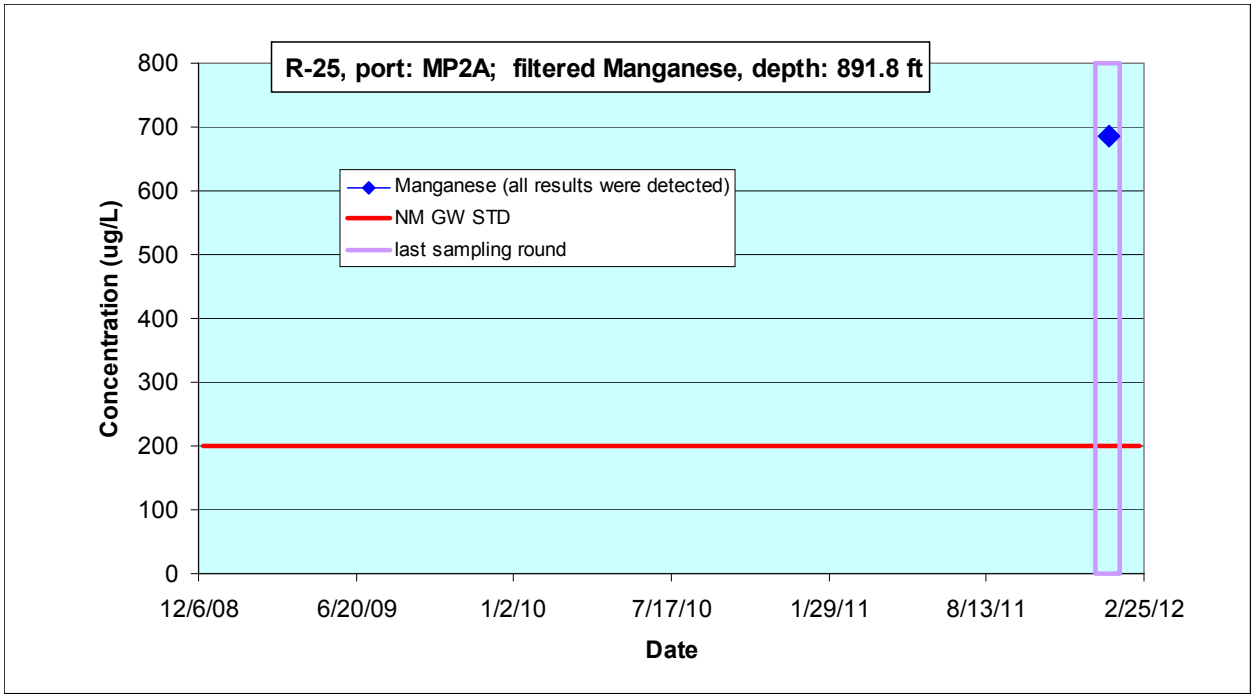

MSC-16-06295; filtered Iron, depth: 1.5 ft
Iron (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
7000
6000
5000
4000
3000
2000
1000
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

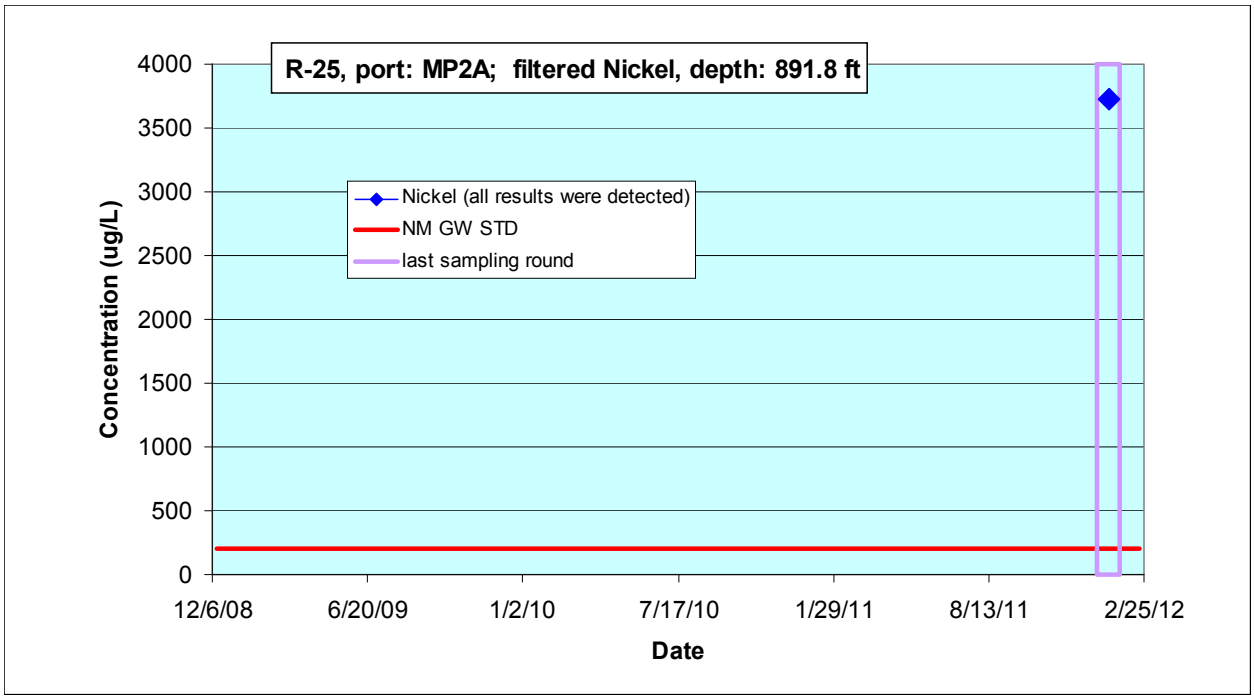

MSC-16-06295; filtered Manganese, depth: 1.5 ft
Manganese (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

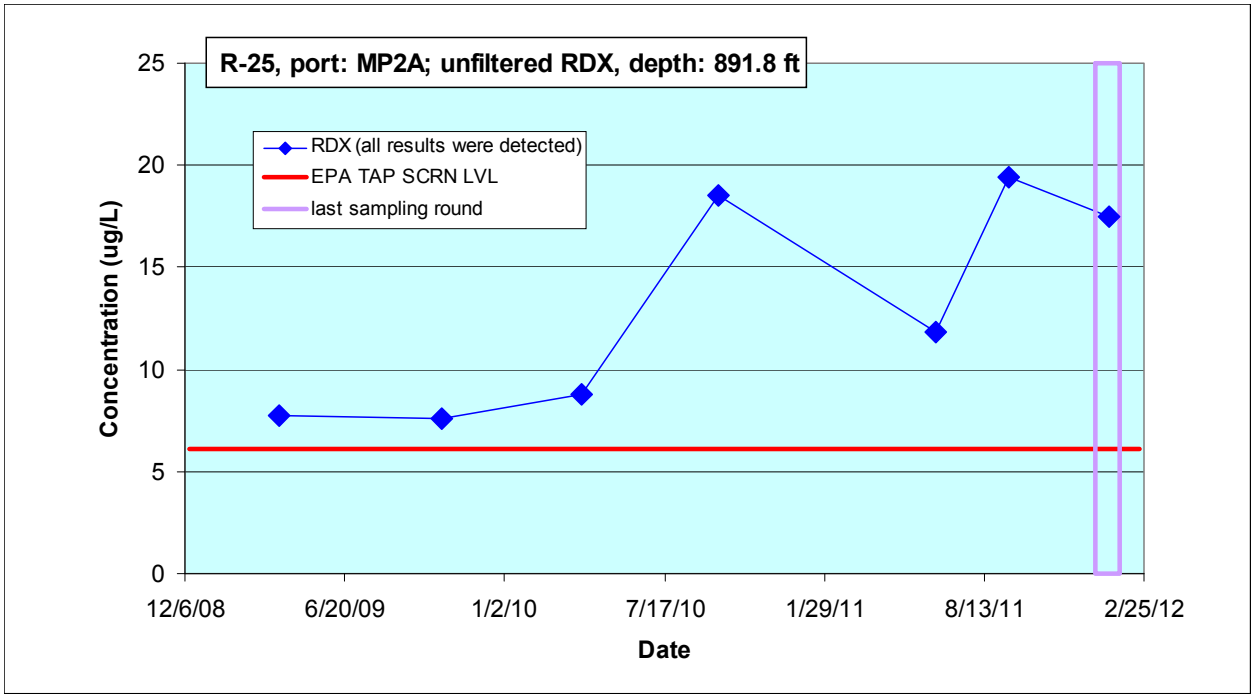

R-25, port: MP1A; filtered Nickel, depth: 754.8 ft
Concentration (ug/L)
800
700
600
500
400
300
200
100
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
Nickel (all results were detected)
NM GW STD
last sampling round

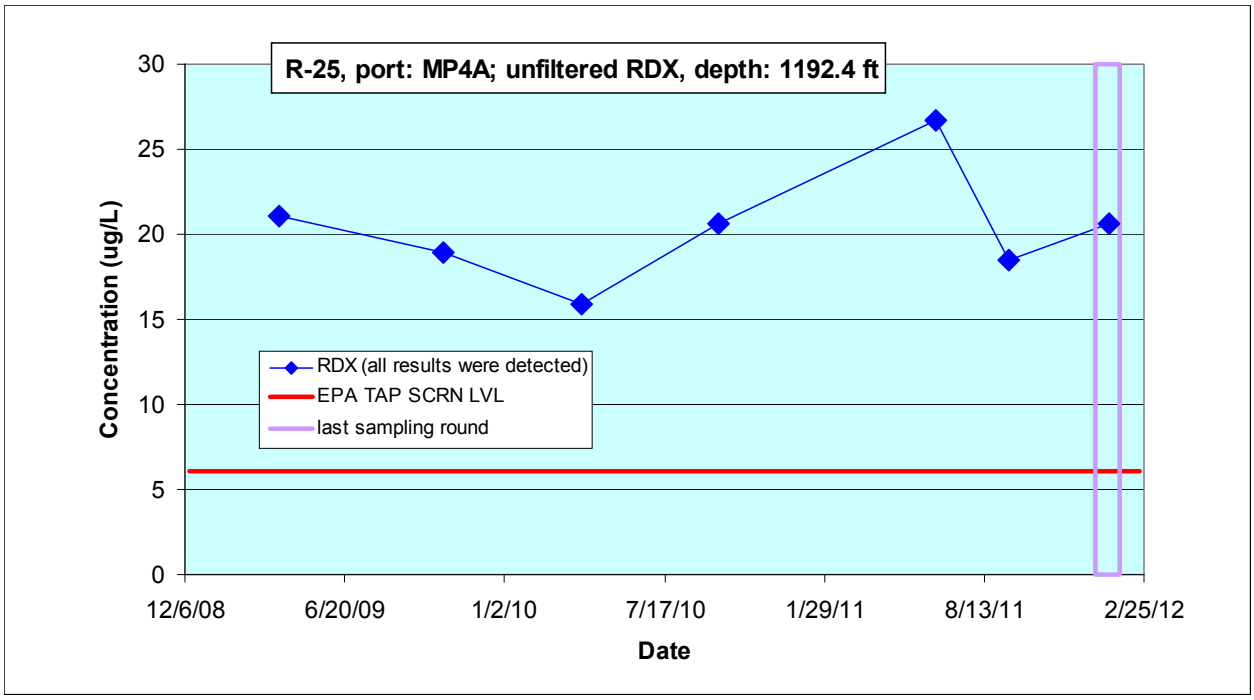

R-25, port: MP1A; unfiltered RDX, depth: 754.8 ft
Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
RDX (all results were detected)
EPA TAP SCRN LVL
last sampling round

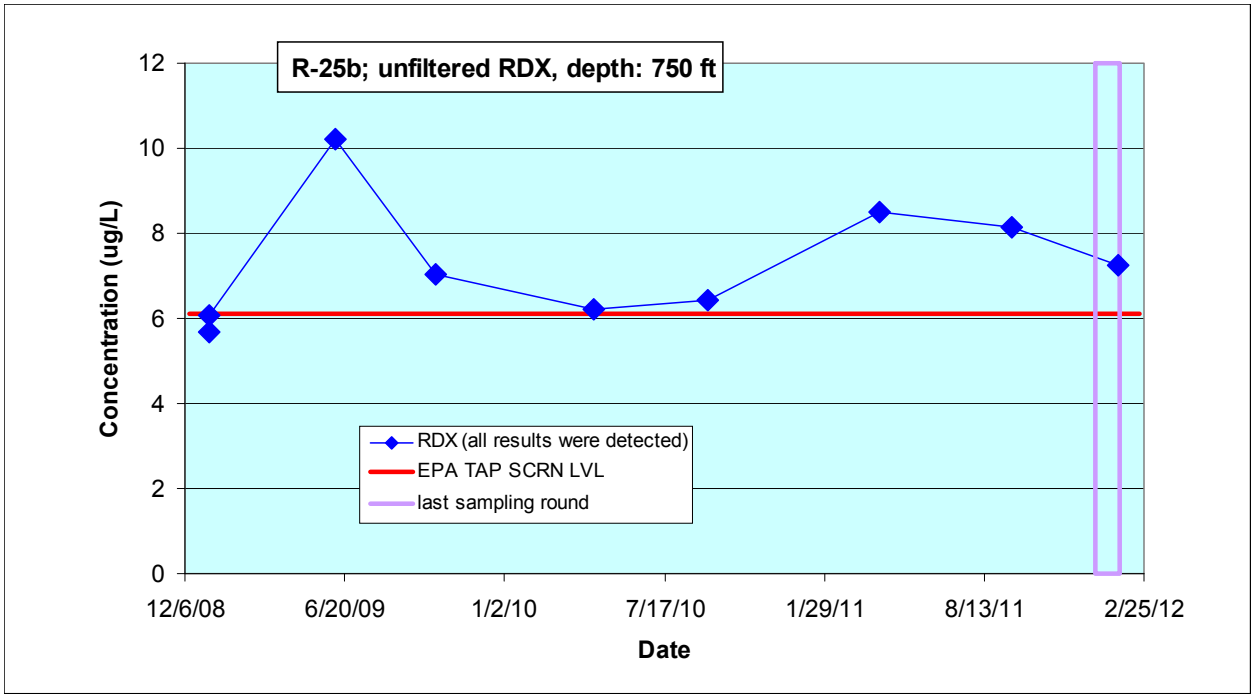

R-25, port: MP2A; filtered Iron, depth: 891.8 ft
Concentration (ug/L)
25000
20000
15000
10000
5000
0
Iron (all results were detected)
NM GW STD
last sampling round
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

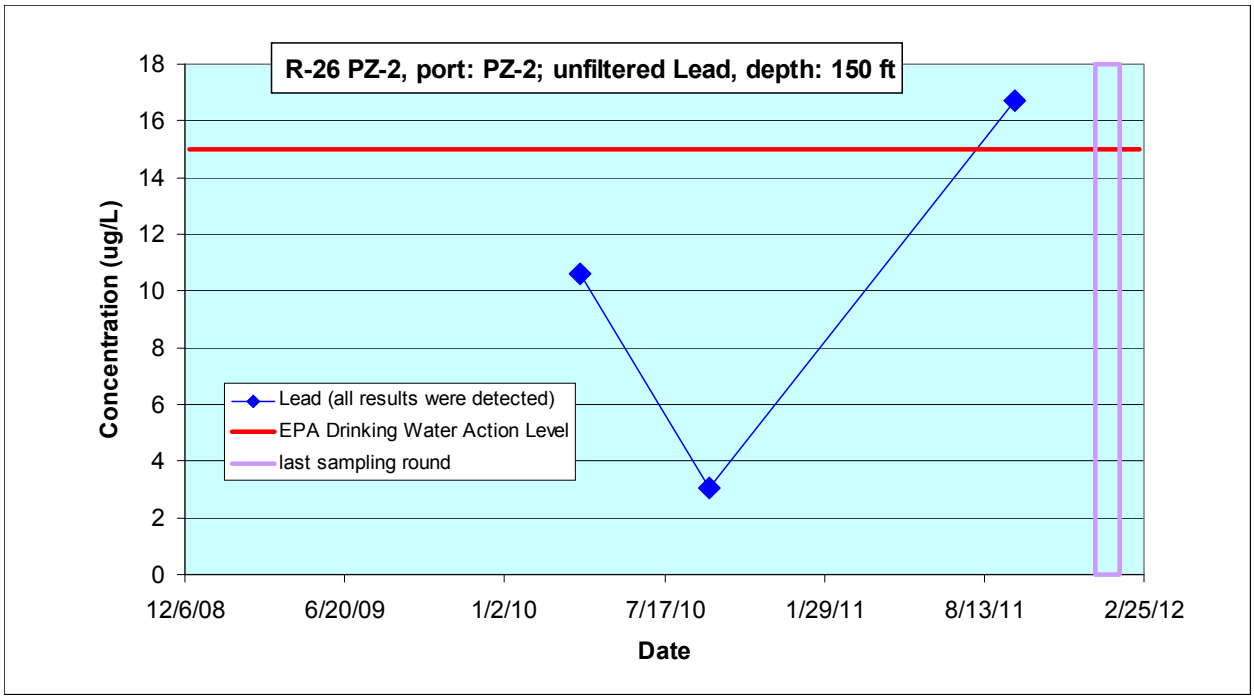

R-25, port: MP2A; filtered Manganese, depth: 891.8 ft
Concentration (ug/L)
800
700
600
500
400
300
200
100
0
Manganese (all results were detected)
NM GW STD
last sampling round
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date

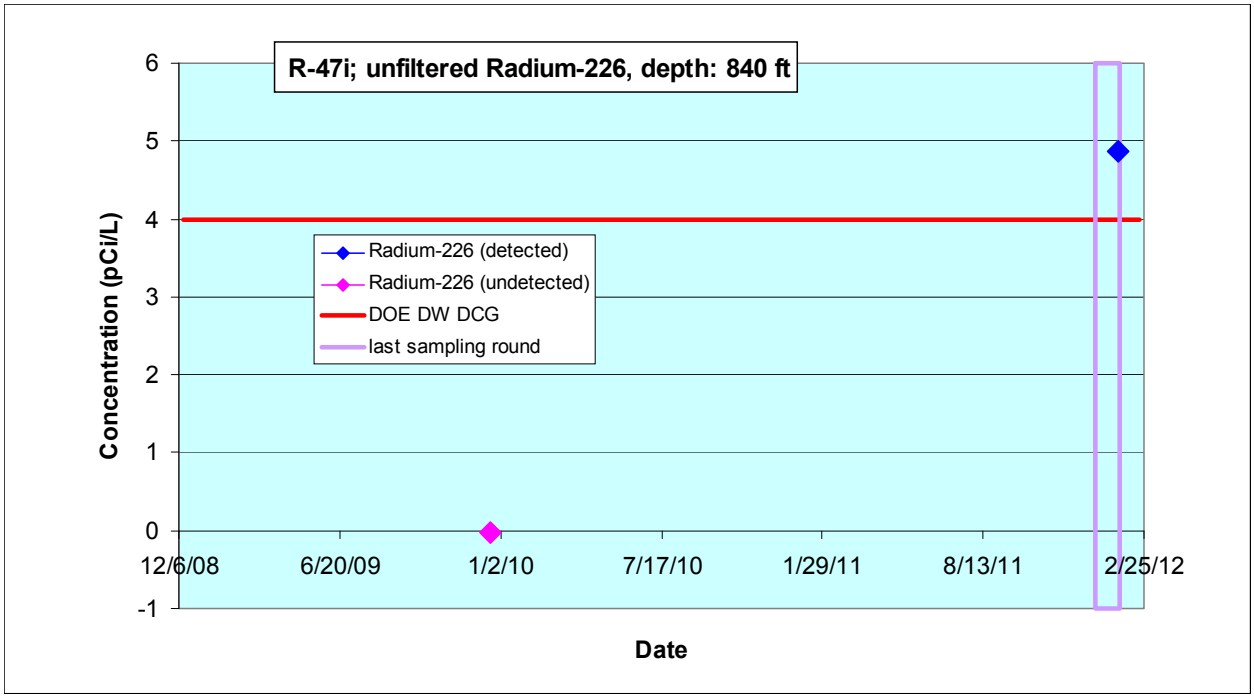

R-25, port: MP2A; filtered Nickel, depth: 891.8 ft
Nickel (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
4000
3500
3000
2500
2000
1500
1000
500
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date


R-25, port: MP2A; unfiltered RDX, depth: 891.8 ft
RDX (all results were detected)
EPA TAP SCRN LVL
last sampling round
Concentration (ug/L)
25
20
15
10
5
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date


R-25, port: MP4A; unfiltered RDX, depth: 1192.4 ft
Concentration (ug/L)
30
25
20
15
10
5
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
RDX (all results were detected)
EPA TAP SCRN LVL
last sampling round


R-25b; unfiltered RDX, depth: 750 ft
Concentration (ug/L)
12
10
8
6
4
2
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
RDX (all results were detected)
EPA TAP SCRN LVL
last sampling round


R-26 PZ-2, port: PZ-2; unfiltered Lead, depth: 150 ft
Concentration (ug/L)
18
16
14
12
10
8
6
4
2
0
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
Lead (all results were detected)
EPA Drinking Water Action Level
last sampling round


R-47i; unfiltered Radium-226, depth: 840 ft
Concentration (pCi/L)
6
5
4
3
2
1
0
-1
12/6/08
6/20/09
1/2/10
7/17/10
1/29/11
8/13/11
2/25/12
Date
Radium-226 (detected)
Radium-226 (undetected)
DOE DW DCG
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)
12-565	HEXP[a]	STSL[b]	CAWA-12-1934	01/10/12	Burning Ground Spring	—[c]
12-566	GENINORG[d]	GELC[e]	CAWA-12-1933	01/10/12	Burning Ground Spring	—
12-566	GENINORG	GELC	CAWA-12-1934	01/10/12	Burning Ground Spring	—
12-566	HEXP	GELC	CAWA-12-1934	01/10/12	Burning Ground Spring	—
12-566	METALS	GELC	CAWA-12-1933	01/10/12	Burning Ground Spring	—
12-566	RAD[f]	GELC	CAWA-12-1934	01/10/12	Burning Ground Spring	—
12-566	VOA[g]	GELC	CAWA-12-1934	01/10/12	Burning Ground Spring	—
12-566	VOA	GELC	CAWA-12-1935	01/10/12	Burning Ground Spring	—
12-570	GENINORG	GELC	CAWA-12-2004	01/11/12	R-25	754.8
12-570	HEXP	GELC	CAWA-12-2004	01/11/12	R-25	754.8
12-570	VOA	GELC	CAWA-12-2004	01/11/12	R-25	754.8
12-570	VOA	GELC	CAWA-12-2006	01/11/12	R-25	754.8
12-570	VOA	GELC	CAWA-12-2007	01/11/12	R-25	754.8
12-571	GENINORG	GELC	CAWA-12-2005	01/11/12	R-25	754.8
12-571	METALS	GELC	CAWA-12-2005	01/11/12	R-25	754.8
12-571	RAD	GELC	CAWA-12-2004	01/11/12	R-25	754.8
12-572	HEXP	STSL	CAWA-12-2004	01/11/12	R-25	754.8
12-582	GENINORG	GELC	CAWA-12-1970	01/12/12	R-25	891.8
12-582	GENINORG	GELC	CAWA-12-1973	01/12/12	R-25	1192.4
12-582	HEXP	GELC	CAWA-12-1970	01/12/12	R-25	891.8
12-582	HEXP	GELC	CAWA-12-1973	01/12/12	R-25	1192.4
12-582	VOA	GELC	CAWA-12-1970	01/12/12	R-25	891.8
12-582	VOA	GELC	CAWA-12-1971	01/12/12	R-25	891.8
12-582	VOA	GELC	CAWA-12-1972	01/12/12	R-25	891.8
12-582	VOA	GELC	CAWA-12-1973	01/12/12	R-25	1192.4
12-582	VOA	GELC	CAWA-12-1976	01/12/12	R-25	1192.4
12-583	HEXP	STSL	CAWA-12-1970	01/12/12	R-25	891.8
12-583	HEXP	STSL	CAWA-12-1973	01/12/12	R-25	1192.4
12-584	GENINORG	GELC	CAWA-12-1969	01/12/12	R-25	891.8
12-584	GENINORG	GELC	CAWA-12-1974	01/12/12	R-25	1192.4
12-584	METALS	GELC	CAWA-12-1969	01/12/12	R-25	891.8
12-584	METALS	GELC	CAWA-12-1974	01/12/12	R-25	1192.4
12-584	RAD	GELC	CAWA-12-1970	01/12/12	R-25	891.8
12-584	RAD	GELC	CAWA-12-1973	01/12/12	R-25	1192.4
12-585	GENINORG	GELC	CAWA-12-1954	01/13/12	16-26644	130
12-585	GENINORG	GELC	CAWA-12-1955	01/13/12	16-26644	130
12-585	HEXP	GELC	CAWA-12-1955	01/13/12	16-26644	130
12-585	METALS	GELC	CAWA-12-1954	01/13/12	16-26644	130
12-585	RAD	GELC	CAWA-12-1955	01/13/12	16-26644	130

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-585	VOA	GELC	CAWA-12-1955	01/13/12	16-26644	130
12-585	VOA	GELC	CAWA-12-1956	01/13/12	16-26644	130
12-586	HEXP	STSL	CAWA-12-1955	01/13/12	16-26644	130
12-591	GENINORG	GELC	CAWA-12-1988	01/13/12	R-25	1303.4
12-591	GENINORG	GELC	CAWA-12-1990	01/13/12	R-25	1406.3
12-591	HEXP	GELC	CAWA-12-1988	01/13/12	R-25	1303.4
12-591	HEXP	GELC	CAWA-12-1990	01/13/12	R-25	1406.3
12-591	VOA	GELC	CAWA-12-1988	01/13/12	R-25	1303.4
12-591	VOA	GELC	CAWA-12-1989	01/13/12	R-25	1303.4
12-591	VOA	GELC	CAWA-12-1990	01/13/12	R-25	1406.3
12-591	VOA	GELC	CAWA-12-1992	01/13/12	R-25	1406.3
12-592	HEXP	STSL	CAWA-12-1988	01/13/12	R-25	1303.4
12-592	HEXP	STSL	CAWA-12-1990	01/13/12	R-25	1406.3
12-593	GENINORG	GELC	CAWA-12-1986	01/13/12	R-25	1303.4
12-593	GENINORG	GELC	CAWA-12-1993	01/13/12	R-25	1406.3
12-593	METALS	GELC	CAWA-12-1986	01/13/12	R-25	1303.4
12-593	METALS	GELC	CAWA-12-1993	01/13/12	R-25	1406.3
12-593	RAD	GELC	CAWA-12-1990	01/13/12	R-25	1406.3
12-596	GENINORG	GELC	CAWA-12-1995	01/17/12	R-25	1606
12-596	GENINORG	GELC	CAWA-12-1996	01/17/12	R-25	1606
12-596	HEXP	GELC	CAWA-12-1996	01/17/12	R-25	1606
12-596	HEXP	GELC	CAWA-12-2114	01/17/12	R-25	1796
12-596	METALS	GELC	CAWA-12-1995	01/17/12	R-25	1606
12-596	RAD	GELC	CAWA-12-1996	01/17/12	R-25	1606
12-596	VOA	GELC	CAWA-12-1994	01/17/12	R-25	1606
12-596	VOA	GELC	CAWA-12-1996	01/17/12	R-25	1606
12-597	HEXP	STSL	CAWA-12-1996	01/17/12	R-25	1606
12-597	HEXP	STSL	CAWA-12-2114	01/17/12	R-25	1796
12-601	GENINORG	GELC	CAPA-12-2038	01/17/12	R-18	1358
12-601	GENINORG	GELC	CAPA-12-2039	01/17/12	R-18	1358
12-601	HEXP	GELC	CAPA-12-2038	01/17/12	R-18	1358
12-601	METALS	GELC	CAPA-12-2039	01/17/12	R-18	1358
12-601	RAD	GELC	CAPA-12-2038	01/17/12	R-18	1358
12-601	VOA	GELC	CAPA-12-2038	01/17/12	R-18	1358
12-601	VOA	GELC	CAPA-12-2040	01/17/12	R-18	1358
12-602	HEXP	STSL	CAPA-12-2038	01/17/12	R-18	1358
12-604	GENINORG	GELC	CAWA-12-2000	01/18/12	R-48	1500
12-604	GENINORG	GELC	CAWA-12-2002	01/18/12	R-48	1500
12-604	GENINORG	GELC	CAWA-12-2003	01/18/12	R-48	1500
12-604	HEXP	GELC	CAWA-12-2000	01/18/12	R-48	1500
12-604	HEXP	GELC	CAWA-12-2002	01/18/12	R-48	1500

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-604	HEXP	GELC	CAWA-12-2003	01/18/12	R-48	1500
12-604	SVOA[h]	GELC	CAWA-12-1999	01/18/12	R-48	1500
12-604	SVOA	GELC	CAWA-12-2003	01/18/12	R-48	1500
12-604	VOA	GELC	CAWA-12-1999	01/18/12	R-48	1500
12-604	VOA	GELC	CAWA-12-2000	01/18/12	R-48	1500
12-604	VOA	GELC	CAWA-12-2002	01/18/12	R-48	1500
12-604	VOA	GELC	CAWA-12-2003	01/18/12	R-48	1500
12-604	VOA	GELC	CAWA-12-2077	01/18/12	R-48	1500
12-605	HEXP	STSL	CAWA-12-2000	01/18/12	R-48	1500
12-605	HEXP	STSL	CAWA-12-2002	01/18/12	R-48	1500
12-605	HEXP	STSL	CAWA-12-2003	01/18/12	R-48	1500
12-606	GENINORG	GELC	CAWA-12-1998	01/18/12	R-48	1500
12-606	GENINORG	GELC	CAWA-12-2001	01/18/12	R-48	1500
12-606	GENINORG	GELC	CAWA-12-2003	01/18/12	R-48	1500
12-606	METALS	GELC	CAWA-12-1998	01/18/12	R-48	1500
12-606	METALS	GELC	CAWA-12-2001	01/18/12	R-48	1500
12-606	METALS	GELC	CAWA-12-2003	01/18/12	R-48	1500
12-606	RAD	GELC	CAWA-12-2000	01/18/12	R-48	1500
12-606	RAD	GELC	CAWA-12-2002	01/18/12	R-48	1500
12-606	RAD	GELC	CAWA-12-2003	01/18/12	R-48	1500
12-611	GENINORG	GELC	CAWA-12-1930	01/18/12	Martin Spring	—
12-611	GENINORG	GELC	CAWA-12-1961	01/18/12	CdV-16-2(i)r	850
12-611	GENINORG	GELC	CAWA-12-1962	01/18/12	CdV-16-2(i)r	850
12-611	GENINORG	GELC	CAWA-12-2079	01/18/12	Martin Spring	—
12-611	HEXP	GELC	CAWA-12-1930	01/18/12	Martin Spring	—
12-611	HEXP	GELC	CAWA-12-1961	01/18/12	CdV-16-2(i)r	850
12-611	HEXP	GELC	CAWA-12-1962	01/18/12	CdV-16-2(i)r	850
12-611	HEXP	GELC	CAWA-12-2079	01/18/12	Martin Spring	—
12-611	SVOA	GELC	CAWA-12-1964	01/18/12	CdV-16-2(i)r	850
12-611	SVOA	GELC	CAWA-12-2080	01/18/12	Martin Spring	—
12-611	VOA	GELC	CAWA-12-1930	01/18/12	Martin Spring	—
12-611	VOA	GELC	CAWA-12-1932	01/18/12	Martin Spring	—
12-611	VOA	GELC	CAWA-12-1961	01/18/12	CdV-16-2(i)r	850
12-611	VOA	GELC	CAWA-12-1962	01/18/12	CdV-16-2(i)r	850
12-611	VOA	GELC	CAWA-12-1964	01/18/12	CdV-16-2(i)r	850
12-611	VOA	GELC	CAWA-12-1965	01/18/12	CdV-16-2(i)r	850
12-611	VOA	GELC	CAWA-12-2079	01/18/12	Martin Spring	—
12-611	VOA	GELC	CAWA-12-2080	01/18/12	Martin Spring	—
12-612	GENINORG	GELC	CAWA-12-1930	01/18/12	Martin Spring	—
12-612	GENINORG	GELC	CAWA-12-1931	01/18/12	Martin Spring	—
12-612	GENINORG	GELC	CAWA-12-1960	01/18/12	CdV-16-2(i)r	850

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-612	GENINORG	GELC	CAWA-12-1963	01/18/12	CdV-16-2(i)r	850
12-612	GENINORG	GELC	CAWA-12-2078	01/18/12	Martin Spring	—
12-612	GENINORG	GELC	CAWA-12-2079	01/18/12	Martin Spring	—
12-612	METALS	GELC	CAWA-12-1931	01/18/12	Martin Spring	—
12-612	METALS	GELC	CAWA-12-1960	01/18/12	CdV-16-2(i)r	850
12-612	METALS	GELC	CAWA-12-1963	01/18/12	CdV-16-2(i)r	850
12-612	METALS	GELC	CAWA-12-2078	01/18/12	Martin Spring	—
12-613	HEXP	STSL	CAWA-12-1930	01/18/12	Martin Spring	—
12-613	HEXP	STSL	CAWA-12-1961	01/18/12	CdV-16-2(i)r	850
12-613	HEXP	STSL	CAWA-12-1962	01/18/12	CdV-16-2(i)r	850
12-613	HEXP	STSL	CAWA-12-2079	01/18/12	Martin Spring	—
12-614	RAD	GELC	CAWA-12-1930	01/18/12	Martin Spring	—
12-614	RAD	GELC	CAWA-12-1961	01/18/12	CdV-16-2(i)r	850
12-614	RAD	GELC	CAWA-12-1962	01/18/12	CdV-16-2(i)r	850
12-614	RAD	GELC	CAWA-12-2079	01/18/12	Martin Spring	—
12-621	GENINORG	GELC	CAWA-12-1939	01/19/12	CDV-16-02659	1.7
12-621	GENINORG	GELC	CAWA-12-1940	01/19/12	CDV-16-02659	1.7
12-621	HEXP	GELC	CAWA-12-1939	01/19/12	CDV-16-02659	1.7
12-621	METALS	GELC	CAWA-12-1940	01/19/12	CDV-16-02659	1.7
12-621	RAD	GELC	CAWA-12-1939	01/19/12	CDV-16-02659	1.7
12-621	VOA	GELC	CAWA-12-1939	01/19/12	CDV-16-02659	1.7
12-621	VOA	GELC	CAWA-12-1941	01/19/12	CDV-16-02659	1.7
12-622	HEXP	STSL	CAWA-12-1939	01/19/12	CDV-16-02659	1.7
12-627	GENINORG	GELC	CAWA-12-2015	01/20/12	R-63	1325
12-627	GENINORG	GELC	CAWA-12-2016	01/20/12	R-63	1325
12-627	HEXP	GELC	CAWA-12-2016	01/20/12	R-63	1325
12-627	METALS	GELC	CAWA-12-2015	01/20/12	R-63	1325
12-627	RAD	GELC	CAWA-12-2016	01/20/12	R-63	1325
12-627	SVOA	GELC	CAWA-12-2016	01/20/12	R-63	1325
12-627	VOA	GELC	CAWA-12-2014	01/20/12	R-63	1325
12-627	VOA	GELC	CAWA-12-2016	01/20/12	R-63	1325
12-628	HEXP	STSL	CAWA-12-2016	01/20/12	R-63	1325
12-634	GENINORG	GELC	CAWA-12-1937	01/20/12	CDV-16-02656	3
12-634	GENINORG	GELC	CAWA-12-1938	01/20/12	CDV-16-02656	3
12-634	HEXP	GELC	CAWA-12-1938	01/20/12	CDV-16-02656	3
12-634	METALS	GELC	CAWA-12-1937	01/20/12	CDV-16-02656	3
12-634	RAD	GELC	CAWA-12-1938	01/20/12	CDV-16-02656	3
12-634	VOA	GELC	CAWA-12-1936	01/20/12	CDV-16-02656	3
12-634	VOA	GELC	CAWA-12-1938	01/20/12	CDV-16-02656	3
12-635	HEXP	STSL	CAWA-12-1938	01/20/12	CDV-16-02656	3
12-637	GENINORG	GELC	CAWA-12-1949	01/23/12	MSC-16-06295	1.5

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-637	GENINORG	GELC	CAWA-12-1950	01/23/12	MSC-16-06295	1.5
12-637	HEXP	GELC	CAWA-12-1950	01/23/12	MSC-16-06295	1.5
12-637	METALS	GELC	CAWA-12-1949	01/23/12	MSC-16-06295	1.5
12-637	RAD	GELC	CAWA-12-1950	01/23/12	MSC-16-06295	1.5
12-637	VOA	GELC	CAWA-12-1948	01/23/12	MSC-16-06295	1.5
12-637	VOA	GELC	CAWA-12-1950	01/23/12	MSC-16-06295	1.5
12-638	HEXP	STSL	CAWA-12-1950	01/23/12	MSC-16-06295	1.5
12-639	GENINORG	GELC	CAWA-12-1977	01/23/12	R-25b	750
12-639	GENINORG	GELC	CAWA-12-1978	01/23/12	R-25b	750
12-639	HEXP	GELC	CAWA-12-1978	01/23/12	R-25b	750
12-639	METALS	GELC	CAWA-12-1977	01/23/12	R-25b	750
12-639	RAD	GELC	CAWA-12-1978	01/23/12	R-25b	750
12-639	VOA	GELC	CAWA-12-1978	01/23/12	R-25b	750
12-639	VOA	GELC	CAWA-12-1979	01/23/12	R-25b	750
12-640	HEXP	STSL	CAWA-12-1978	01/23/12	R-25b	750
12-644	GENINORG	GELC	CAWA-12-1966	01/24/12	CDV-37-1(i)	632
12-644	GENINORG	GELC	CAWA-12-1984	01/24/12	R-47i	840
12-644	HEXP	GELC	CAWA-12-1966	01/24/12	CDV-37-1(i)	632
12-644	HEXP	GELC	CAWA-12-1984	01/24/12	R-47i	840
12-644	VOA	GELC	CAWA-12-1966	01/24/12	CDV-37-1(i)	632
12-644	VOA	GELC	CAWA-12-1968	01/24/12	CDV-37-1(i)	632
12-644	VOA	GELC	CAWA-12-1984	01/24/12	R-47i	840
12-644	VOA	GELC	CAWA-12-1985	01/24/12	R-47i	840
12-645	HEXP	STSL	CAWA-12-1966	01/24/12	CDV-37-1(i)	632
12-645	HEXP	STSL	CAWA-12-1984	01/24/12	R-47i	840
12-646	GENINORG	GELC	CAWA-12-1967	01/24/12	CDV-37-1(i)	632
12-646	GENINORG	GELC	CAWA-12-1983	01/24/12	R-47i	840
12-646	METALS	GELC	CAWA-12-1967	01/24/12	CDV-37-1(i)	632
12-646	METALS	GELC	CAWA-12-1983	01/24/12	R-47i	840
12-646	RAD	GELC	CAWA-12-1966	01/24/12	CDV-37-1(i)	632
12-646	RAD	GELC	CAWA-12-1984	01/24/12	R-47i	840
12-651	GENINORG	GELC	CAWA-12-1944	01/25/12	CDV-16-611923	3.2
12-651	METALS	GELC	CAWA-12-1944	01/25/12	CDV-16-611923	3.2
12-651	RAD	GELC	CAWA-12-1942	01/25/12	CDV-16-611923	3.2
12-652	GENINORG	GELC	CAWA-12-1942	01/25/12	CDV-16-611923	3.2
12-652	GENINORG	GELC	CAWA-12-1944	01/25/12	CDV-16-611923	3.2
12-652	HEXP	GELC	CAWA-12-1942	01/25/12	CDV-16-611923	3.2
12-652	VOA	GELC	CAWA-12-1942	01/25/12	CDV-16-611923	3.2
12-652	VOA	GELC	CAWA-12-1943	01/25/12	CDV-16-611923	3.2
12-652	VOA	GELC	CAWA-12-2182	01/25/12	CDV-16-611923	3.2
12-653	HEXP	STSL	CAWA-12-1942	01/25/12	CDV-16-611923	3.2

Request	Suite	Lab	Sample	Date	Location	Depth (ft)
12-663	RAD	ARSL[i]	CAWA-12-2003	01/18/12	R-48	1500
12-664	RAD	ARSL	CAWA-12-2016	01/20/12	R-63	1325
12-674	GENINORG	GELC	CAWA-12-2013	01/26/12	R-26	659.3
12-674	HEXP	GELC	CAWA-12-2013	01/26/12	R-26	659.3
12-674	SVOA	GELC	CAWA-12-2013	01/26/12	R-26	659.3
12-674	VOA	GELC	CAWA-12-1980	01/26/12	R-26 PZ-2	150
12-674	VOA	GELC	CAWA-12-1982	01/26/12	R-26 PZ-2	150
12-674	VOA	GELC	CAWA-12-2011	01/26/12	R-26	659.3
12-674	VOA	GELC	CAWA-12-2013	01/26/12	R-26	659.3
12-674	VOA	GELC	CAWA-12-2203	01/26/12	R-26 PZ-2	150
12-675	GENINORG	GELC	CAWA-12-2012	01/26/12	R-26	659.3
12-675	METALS	GELC	CAWA-12-2012	01/26/12	R-26	659.3
12-675	RAD	GELC	CAWA-12-2013	01/26/12	R-26	659.3
12-676	HEXP	STSL	CAWA-12-2013	01/26/12	R-26	659.3
12-691	RAD	ARSL[i]	CAWA-12-2013	01/26/12	R-26	659.3

[a] HEXP = High explosives.

[b] STSL = Severn Trent Laboratories, Inc.

[c] — = Not applicable.

[d] GENINORG = General inorganics.

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

[f] RAD = Radiochemistry (not gamma).

[g] VOA = Volatile organic analysis.

[h] SVOA = Semivolatile organic analysis.

[i] ARSL = American Radiation Services–Primary.