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Periodic Monitoring Report for Technical Area 54 Monitoring Group, October 9–October 25, 2012



Prepared by the Environmental Programs Directorate

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EP2013-0004

Periodic Monitoring Report for Technical Area 54 Monitoring Group, October 9–October 25, 2012

February 2013

Responsible project manager:

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

Responsible LANS representative:

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

Responsible DOE representative:

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

EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the fiscal year 2013, first quarter, periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Technical Area 54 (TA-54) monitoring group. This PME was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2013 Monitoring Year, October 2012–September 2013, prepared in accordance with the Compliance Order on Consent. One location from the Pajarito Canyon watershed portion of the General Surveillance monitoring group is also included in this PMR.

The PME documented in this report occurred from October 9 to October 25, 2012, and included the monitoring of groundwater wells and well screens. Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report. No results from samples collected during previous PMEs that were unreported in their respective PMRs are included in this report.

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

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

No results from previous sampling of TA-54 monitoring group PME monitoring locations are reported in this PMR. Three results from groundwater samples collected during this PME from the TA-54 monitoring group were above applicable screening levels.

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Acronyms and Abbreviations

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

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of fiscal year 2013, first quarter, semiannual groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Technical Area 54 (TA-54) monitoring group pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2013 Monitoring Year, October 2012–September 2013 (2013 IFGMP) (LANL 2012, 225493), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from October 9 to October 25, 2012, and included sampling of groundwater wells and well screens. No results from samples collected during previous PMEs that were unreported in their respective PMRs are included in this report. One location from the Pajarito Canyon watershed portion of the General Surveillance monitoring group, intermediate well 03-B-13, is also included in this PMR.

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

This report presents the following information:

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

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

1.1 Background

Most of the monitoring wells discussed in the 2013 IFGMP (LANL 2012, 225493) are assigned to area-specific monitoring groups related to project areas that may be located in more than one watershed. Locations that are not included within one of these six area-specific monitoring groups are assigned to the General Surveillance monitoring group. This PMR presents results from one well in the Pajarito Canyon watershed portion of the General Surveillance monitoring group.

At TA-54, groundwater monitoring is conducted to support both (1) the corrective measures process for solid waste management units and areas of concern (particularly Material Disposal Areas [MDAs] G, H, and L) under the Consent Order and (2) the Resource Conservation and Recovery Act permit. The TA-54 monitoring group was established to address the monitoring requirements for all portions and aspects of TA-54. The TA-54 monitoring group includes both intermediate-perched and regional wells in the near vicinity. Other downgradient wells have general relevance to TA-54 and other upgradient sources but are not considered part of the TA-54 monitoring network and are not included in the monitoring group.

TA-54 is situated in the east-central portion of the Laboratory on Mesita del Buey. TA-54 includes four MDAs designated as G, H, J, and L; a waste characterization, container storage, and transfer facility (TA-54 West); active radioactive waste storage and disposal operations at Area G; hazardous and mixed-waste storage operations at Area L; and administrative and support areas. The transfer facility is located at the western end of TA-54.

Mesita del Buey is a 100-ft- to 140-ft-high finger-shaped mesa that trends southeast. The elevation of Mesita del Buey ranges from 6750 ft to 6670 ft above mean sea level (amsl) at Area G. The mesa is approximately 500 ft wide and is bounded by Cañada del Buey and Pajarito Canyon.

The TA-54 monitoring group is located predominantly in the Pajarito Canyon watershed, and the occurrence of surface water, alluvial groundwater, and intermediate-perched and regional groundwater is discussed in the Pajarito Canyon Investigation Report, Revision 1 (LANL 2009, 106939).

Pore-gas monitoring data show vapor-phase organic compounds are present in the upper portion of the unsaturated zone beneath MDAs G and L. The primary contaminants that have been transported in the vapor phase at TA-54 are 1,1,1-trichloroethane; trichloroethene; Freon-113; and tritium (LANL 2005, 090513; LANL 2006, 091888; LANL 2007, 096409).

Data from the groundwater monitoring network around TA-54 show sporadic detections of a variety of contaminants, including several vapor-phase organic compounds. The temporal and spatial nature of the occurrences does not, however, clearly indicate the presence of a source related to potential sources at TA-54 (LANL 2009, 106939). Further evaluations of existing groundwater data near TA-54 and detailed descriptions of organic and inorganic contaminants detected in intermediate-perched and regional groundwater at TA-54 are presented in the corrective measures evaluation reports for MDAs G, H, and L (LANL 2011, 205756; LANL 2011, 206319; LANL 2011, 206324).

2.0 SCOPE OF ACTIVITIES

The PME for the TA-54 monitoring group was conducted pursuant to the 2013 IFGMP (LANL 2012, 225493).

Table 2.0-1 provides the location name, sample collection date, screened interval, top and bottom screen depths, casing volume, purge volume, and purge rate for each of the 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 2013 IFGMP (LANL 2012, 225493).

3.2 Field Parameter Results

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

3.3 Groundwater Elevations and Base-Flow Observations

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

3.4 Deviations from Planned Scope

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

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PME are documented in the 2013 IFGMP (LANL 2012, 225493). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737), and ENV-RCRA-QP-010.2, Land Application of Groundwater. ENV-RCRA-QP-010.2 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling of purge water.

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

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

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

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

Data validation determines the quality of an analytical data set. Data validation focuses on specific quality assurance samples, such as matrix spikes, duplicates, surrogates, method banks, and laboratory control samples, and holding times, which indicate the accuracy and precision of the analyses. Based on the results, data qualifiers are applied to indicate data quality issues as well as the usability of results. This

process also includes a description of the reasons for any failure to meet method, procedural, or contractual requirements and an evaluation of the impact of such failure on the overall data set.

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

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

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

4.2 Analytical Data

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

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

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

Multiple analyses of a sample, including dilutions and reanalyses, create redundant results. These multiple results have the same sample ID, analytical laboratory code, and analytical method. The analytical and validation information is used to designate the preferred result, which is marked with a best

value flag of “Y” (yes). The redundant values of lower quality are assigned a best value flag of “N” (no). In cases where a reanalysis gives a significantly different result than an earlier value, the original result may be rejected and assigned a best value flag of N, and the reanalysis result may be marked with a best value flag of Y. The best value flag is included in Appendix C.

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

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

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

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

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

No analytes from the current PME exceeded their screening level at more than one sampling location, so no maps showing concentrations are included.

4.2.1 Surface Water (Base Flow)

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

4.2.2 Groundwater

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

For the current PME, the unfiltered 1,4-dioxane concentration of 441 µg/L at intermediate well 03-B-13 was above the 6.7-µg/L EPA tap water screening level. Earlier concentrations from sampling events since 2006 range from 10.2 µg/L to 919 µg/L. The unfiltered 1,1,1-trichloroethane concentration of 117 µg/L at 03-B-13 was above the 60-µg/L NMWQCC groundwater standard screening level. Past 1,1,1-trichloroethane concentrations range from 39.9 µg/L to 317 µg/L.

The filtered iron result of 1930 µg/L at intermediate well 03-B-13 was above the 1000-µg/L NMWQCC groundwater standard screening level (applicable to domestic water supply). Previous iron concentrations range between 94.7 µg/L and 21,300 µg/L with a median of 1480 µg/L.

4.3 Sampling Program Modifications

No modifications to the periodic monitoring sampling for the TA-54 monitoring group are proposed at this time.

5.0 SUMMARY AND INTERPRETATIONS

5.1 Monitoring Results

The field parameter monitoring results are presented in Appendix A.

5.2 Analytical Results

5.2.1 Surface Water (Base Flow)

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

5.2.2 Groundwater

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

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

5.3 Data Gaps

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

5.4 Remediation System Monitoring

Remediation system monitoring is not applicable to the TA-54 monitoring group because no systems are installed in the monitoring group area.

6.0 REFERENCES

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

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

LANL (Los Alamos National Laboratory), September 2005. "Investigation Report for Material Disposal Area G, Consolidated Unit 54-013(b)-99, at Technical Area 54," Los Alamos National Laboratory document LA-UR-05-6398, Los Alamos, New Mexico. (LANL 2005, 090513)

LANL (Los Alamos National Laboratory), March 2006. "Investigation Report for Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54, Revision 1," Los Alamos National Laboratory document LA-UR-06-1564, Los Alamos, New Mexico. (LANL 2006, 091888)

LANL (Los Alamos National Laboratory), May 2007. "Addendum to the Investigation Report for Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54," Los Alamos National Laboratory document LA-UR-07-3214, Los Alamos, New Mexico. (LANL 2007, 096409)

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), August 2009. "Pajarito Canyon Investigation Report, Revision 1," Los Alamos National Laboratory document LA-UR-09-4670, Los Alamos, New Mexico. (LANL 2009, 106939)

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LANL (Los Alamos National Laboratory), September 2011. "Corrective Measures Evaluation Report for Material Disposal Area H, Solid Waste Management Unit 54-004, at Technical Area 54, Revision 1," Los Alamos National Laboratory document LA-UR-11-5079, Los Alamos, New Mexico. (LANL 2011, 206319)

LANL (Los Alamos National Laboratory), September 2011. "Corrective Measures Evaluation Report for Material Disposal Area G, Solid Waste Management Unit 54-013(b)-99, at Technical Area 54, Revision 3," Los Alamos National Laboratory document LA-UR-11-4910, Los Alamos, New Mexico. (LANL 2011, 206324)

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

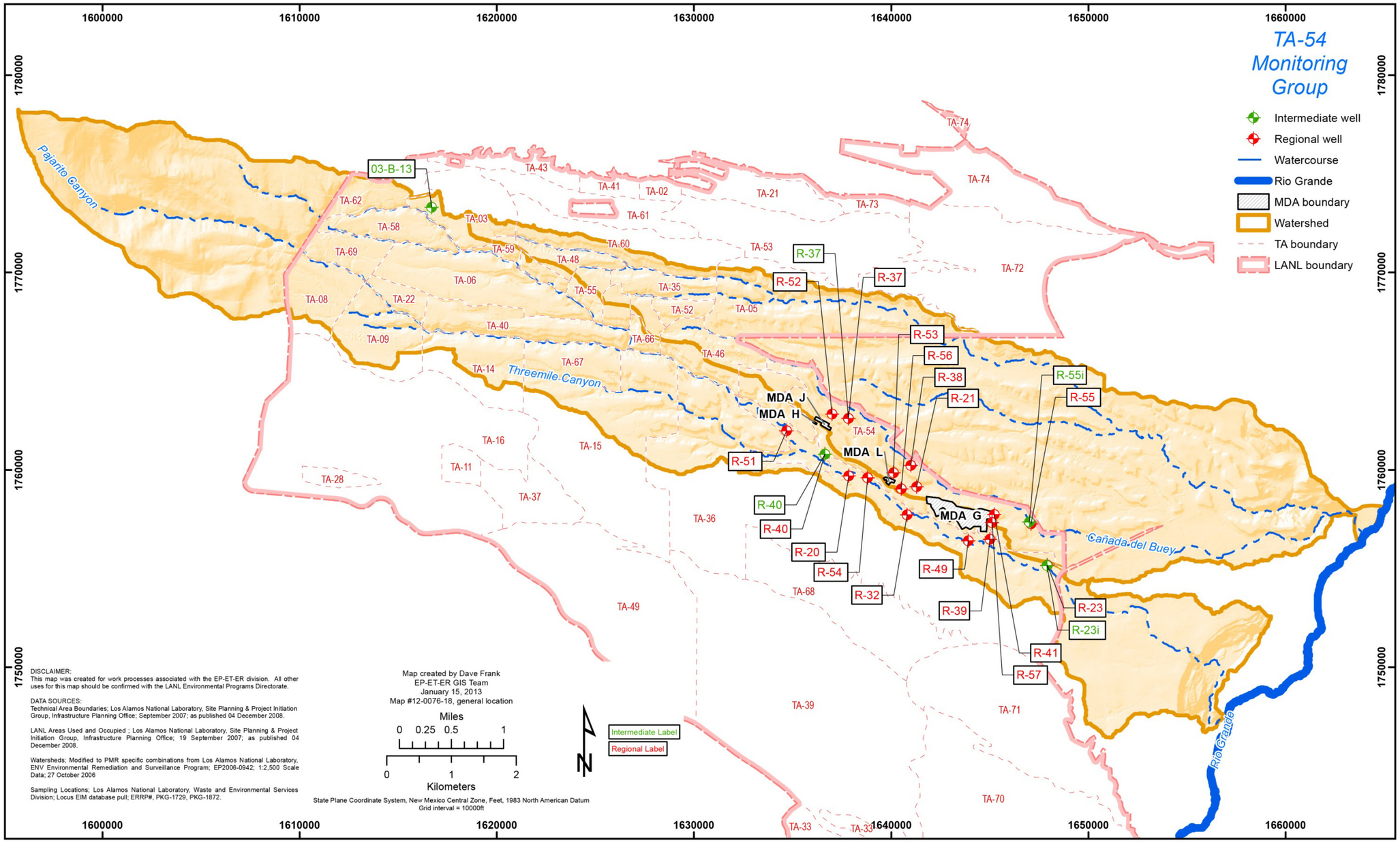


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Table 3.4-1).

Table 2.0-1
TA-54 Monitoring Group Locations and General Information

Location Name	Sample Collection Date	Screen Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge Rate (gpm*)
Intermediate							
03-B-13	10/23/12	10	21.5	31.5	0.87	2.9	0.13
R-23i S1	10/09/12	19.7	400.3	420	3.33	12.6	1.14
R-23i S2	10/17/12	9.9	470.2	480.1	37.3	113	1.14
R-23i S3	10/12/12	23	524	547	42.5	127	1.8
R-37 S1	10/23/12	20.7	929.3	950	52	156	0.80
R-40 S1	10/12/12	33.47	751.59	785.06	28.8	28.8	0.4
R-40 Si	10/22/12	19.35	649.67	669.02	12.6	38	0.5
R-55i	10/25/12	21.1	510	531.1	44.2	133	2.5
Regional							
R-20 S1	10/16/12	7.6	904.6	912.2	70.6	212	0.65
R-20 S2	10/17/12	7.6	1147.1	1154.7	40.9	123	1.5
R-21	10/15/12	18	888.8	906.8	202.6	611	3.2
R-23	10/12/12	57.2	816	873.2	45.3	200	10.1
R-32 S1	10/19/12	3.1	931.8	934.9	88.2	265	2.1
R-37 S2	10/22/12	20.6	1026	1046.6	53.5	165	8.7
R-38	10/09/12	10	821.2	831.2	42.5	128	2.73
R-39	10/11/12	10	859	869	48.3	153	3
R-40 S2	10/12/12	20.73	849.27	870	37.3	112	2
R-41 S2	10/11/12	9.7	965.3	975	36.6	121.5	2.7
R-49 S1	10/15/12	10	845	855	79.06	239.2	1.3
R-49 S2	10/25/12	20.8	905.6	926.4	58.1	182.4	2.4
R-51 S1	10/10/12	10.28	914.96	925.24	61	196	3.85
R-51 S2	10/10/12	10.04	1030.96	1041	91.1	284.9	3.85
R-52 S1	10/16/12	20.5	1035.24	1055.7	64.3	193	3.3
R-52 S2	10/16/12	10	1107	1117	43	129	3.3
R-53 S1	10/11/12	10	849.2	859.2	76.2	231	3.9
R-53 S2	10/11/12	20.5	959.7	980.2	93.6	282	3.66
R-54 S1	10/24/12	10	830	840	54.76	180	3
R-54 S2	10/24/12	10	915	925	61.2	184	3
R-55 S1	10/24/12	20.6	860	880.6	111.9	337.5	2.86
R-55 S2	10/24/12	21	994.4	1015.4	72.4	217.5	2.72
R-56 S1	10/18/12	20.6	945	965.6	85.37	260	4
R-56 S2	10/18/12	20.5	1046.6	1067.1	68.75	207	4
R-57 S1	10/10/12	20.5	910	930.5	70.38	212	3.3
R-57 S2	10/10/12	20.6	971.5	992.1	51	153	3.3

* gpm = Gallons per minute.

Table 3.4-1
TA-54 Monitoring Group PME Observations and Deviations

Location	Deviation	Cause	Comment
R-54 S1, S2	Only sampled for tritium	Sampling is on hold pending redevelopment.	n/a*
R-55i	Only sampled for tritium	Sampling is on hold pending redevelopment.	n/a
03-B-13	n/a	n/a	This location is included in the Pajarito Canyon General Surveillance monitoring group and was sampled in the first quarter of fiscal year 2013. Because it is the only location in this monitoring group, NMED agreed to present its results in this PMR.

* n/a = Not applicable.

Table 3.4-2
Analytes with PQLs above Screening Levels

Analyte or CAS[a] No.	Analyte Name	MDL[b]	PQL	Screening Level	Unit	Screening-Level Type
Herbicides						
94-74-6	MCPA[c]	12	53	18	µg/L	EPA Regional Tap
93-65-2	MCPP[d]	11	53	37	µg/L	EPA Regional Tap
Metals						
Be	Beryllium	1	5	4	µg/L	EPA MCL
Semivolatile Organic Compounds						
1912-24-9	Atrazine	3	10	3	µg/L	EPA MCL
103-33-3	Azobenzene	2	10	1.3	µg/L	EPA Regional Tap
92-87-5	Benzidine	3	10	0.00094	µg/L	EPA Regional Tap
56-55-3	Benzo(a)anthracene	0.2	1	0.29	µg/L	EPA Regional Tap
50-32-8	Benzo(a)pyrene	0.2	1	0.2	µg/L	EPA MCL
205-99-2	Benzo(b)fluoranthene	0.2	1	0.29	µg/L	EPA Regional Tap
111-44-4	Bis(2-chloroethyl)ether	2	10	0.12	µg/L	EPA Regional Tap
117-81-7	Bis(2-ethylhexyl)phthalate	2	10	6	µg/L	EPA MCL
106-47-8	Chloroaniline[4-]	2	10	3.4	µg/L	EPA Regional Tap
53-70-3	Dibenz(a,h)anthracene	0.2	1	0.029	µg/L	EPA Regional Tap
91-94-1	Dichlorobenzidine[3,3'-]	2	10	1.5	µg/L	EPA Regional Tap
534-52-1	Dinitro-2-methylphenol[4,6-]	3	10	2.9	µg/L	EPA Regional Tap
123-91-1	Dioxane[1,4-]	2	10	6.7	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	2	10	1	µg/L	EPA MCL
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	1	0.29	µg/L	EPA Regional Tap
55-18-5	Nitrosodiethylamine[N-]	2	10	0.0014	µg/L	EPA Regional Tap

Table 3.4-2 (continued)

Analyte or CAS[a] No.	Analyte Name	MDL[b]	PQL	Screening Level	Unit	Screening-Level Type
62-75-9	Nitrosodimethylamine[N-]	2	10	0.0042	µg/L	EPA Regional Tap
924-16-3	Nitroso-di-n-butylamine[N-]	3	10	0.024	µg/L	EPA Regional Tap
621-64-7	Nitroso-di-n-propylamine[N-]	2	10	0.096	µg/L	EPA Regional Tap
930-55-2	Nitrosopyrrolidine[N-]	2	10	0.32	µg/L	EPA Regional Tap
108-60-1	Oxybis(1-chloropropane) [2,2'-]	2	10	3.2	µg/L	EPA Regional Tap
87-86-5	Pentachlorophenol	2	10	1	µg/L	EPA MCL
108-95-2	Phenol	1	10	5	µg/L	NMWQCC Groundwater Standard
Volatile Organic Compounds						
107-02-8	Acrolein	1.3	5	0.042	µg/L	EPA Regional Tap
107-13-1	Acrylonitrile	1	5	0.45	µg/L	EPA Regional Tap
126-99-8	Chloro-1,3-butadiene[2-]	0.3	1	0.16	µg/L	EPA Regional Tap
96-12-8	Dibromo-3-chloropropane[1,2-]	0.3	1	0.2	µg/L	EPA MCL
106-93-4	Dibromoethane[1,2-]	0.25	1	0.05	µg/L	EPA MCL
126-98-7	Methacrylonitrile	1	5	1	µg/L	EPA Regional Tap
75-09-2	Methylene chloride	3	10	5	µg/L	EPA MCL
96-18-4	Trichloropropane[1,2,3-]	0.3	1	0.0072	µg/L	EPA Regional Tap

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

[a] CAS = Chemical Abstracts Service.

[b] MDL = Method detection limit.

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

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

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

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

[a] n/a = Not applicable.

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

[c] CFR = Code of Federal Regulations.

Table 4.2-2
TA-54 Monitoring Group Groundwater Results above Screening Levels

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Intermediate Groundwater							
03-B-13	10/23/12	Iron	F[a]	1930	µg/L	1000	NMWQCC Groundwater Standard
03-B-13	10/23/12	Dioxane[1,4-]	UF[b]	441	µg/L	6.7	EPA Tap Water Screening Level
03-B-13	10/23/12	Trichloroethane[1,1,1-]	UF	117	µg/L	60	NMWQCC Groundwater Standard

[a] F = Filtered.

[b] UF = Filtered.

Appendix A

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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
03-B-13	21.5	10/23/12	WG[a]	Dissolved Oxygen	0.68	mg/L	CAPA-12-23794
03-B-13	21.5	04/23/12	WG	Dissolved Oxygen	0.38	mg/L	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	Dissolved Oxygen	0.25	mg/L	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	Dissolved Oxygen	0.23	mg/L	CAPA-11-22661
03-B-13	21.5	04/22/11	WG	Dissolved Oxygen	1.48	mg/L	CAPA-11-9562
03-B-13	21.5	10/23/12	WG	Oxidation-Reduction Potential	234.6	mV	CAPA-12-23794
03-B-13	21.5	04/23/12	WG	Oxidation-Reduction Potential	207.3	mV	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	Oxidation-Reduction Potential	102.9	mV	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	Oxidation-Reduction Potential	192.2	mV	CAPA-11-22661
03-B-13	21.5	04/22/11	WG	Oxidation-Reduction Potential	191.7	mV	CAPA-11-9562
03-B-13	21.5	10/23/12	WG	pH	5.98	SU[b]	CAPA-12-23794
03-B-13	21.5	04/23/12	WG	pH	5.96	SU	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	pH	6.1	SU	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	pH	6.15	SU	CAPA-11-22661
03-B-13	21.5	04/22/11	WG	pH	6.19	SU	CAPA-11-9562
03-B-13	21.5	10/23/12	WG	Specific Conductance	424	µS/cm	CAPA-12-23794
03-B-13	21.5	04/23/12	WG	Specific Conductance	605	µS/cm	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	Specific Conductance	414	µS/cm	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	Specific Conductance	298	µS/cm	CAPA-11-22661
03-B-13	21.5	04/22/11	WG	Specific Conductance	368	µS/cm	CAPA-11-9562
03-B-13	21.5	10/23/12	WG	Temperature	14.14	deg C	CAPA-12-23794
03-B-13	21.5	04/23/12	WG	Temperature	13.79	deg C	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	Temperature	14.1	deg C	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	Temperature	14.36	deg C	CAPA-11-22661
03-B-13	21.5	04/22/11	WG	Temperature	13.6	deg C	CAPA-11-9562
03-B-13	21.5	10/23/12	WG	Turbidity	31.4	NTU[c]	CAPA-12-23794
03-B-13	21.5	04/23/12	WG	Turbidity	9.05	NTU	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	Turbidity	120	NTU	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	Turbidity	35.3	NTU	CAPA-11-22661

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
03-B-13	21.5	04/22/11	WG	Turbidity	47.4	NTU	CAPA-11-9562
R-20 S1	904.6	10/16/12	WG	Dissolved Oxygen	1.4	mg/L	CAPA-12-23795
R-20 S1	904.6	05/03/12	WG	Dissolved Oxygen	1.26	mg/L	CAPA-12-13225
R-20 S1	904.6	07/27/11	WG	Dissolved Oxygen	2.27	mg/L	CAPA-11-22877
R-20 S1	904.6	04/20/11	WG	Dissolved Oxygen	1.17	mg/L	CAPA-11-9309
R-20 S1	904.6	01/27/11	WG	Dissolved Oxygen	1.15	mg/L	CAPA-11-3007
R-20 S1	904.6	01/27/11	WG	Dissolved Oxygen	1.1	mg/L	CAPA-11-3484
R-20 S1	904.6	10/16/12	WG	Oxidation-Reduction Potential	-85.7	mV	CAPA-12-23795
R-20 S1	904.6	05/03/12	WG	Oxidation-Reduction Potential	66.9	mV	CAPA-12-13225
R-20 S1	904.6	07/27/11	WG	Oxidation-Reduction Potential	-31.6	mV	CAPA-11-22877
R-20 S1	904.6	04/20/11	WG	Oxidation-Reduction Potential	-101.7	mV	CAPA-11-9309
R-20 S1	904.6	01/27/11	WG	Oxidation-Reduction Potential	330.8	mV	CAPA-11-3007
R-20 S1	904.6	01/27/11	WG	Oxidation-Reduction Potential	100.7	mV	CAPA-11-3484
R-20 S1	904.6	10/16/12	WG	pH	8.38	SU	CAPA-12-23795
R-20 S1	904.6	05/03/12	WG	pH	8.33	SU	CAPA-12-13225
R-20 S1	904.6	07/27/11	WG	pH	8.5	SU	CAPA-11-22877
R-20 S1	904.6	04/20/11	WG	pH	8.63	SU	CAPA-11-9309
R-20 S1	904.6	01/27/11	WG	pH	8.22	SU	CAPA-11-3007
R-20 S1	904.6	01/27/11	WG	pH	8.42	SU	CAPA-11-3484
R-20 S1	904.6	10/16/12	WG	Specific Conductance	143	µS/cm	CAPA-12-23795
R-20 S1	904.6	05/03/12	WG	Specific Conductance	146	µS/cm	CAPA-12-13225
R-20 S1	904.6	07/27/11	WG	Specific Conductance	142	µS/cm	CAPA-11-22877
R-20 S1	904.6	04/20/11	WG	Specific Conductance	145	µS/cm	CAPA-11-9309
R-20 S1	904.6	01/27/11	WG	Specific Conductance	145	µS/cm	CAPA-11-3007
R-20 S1	904.6	01/27/11	WG	Specific Conductance	142	µS/cm	CAPA-11-3484
R-20 S1	904.6	10/16/12	WG	Temperature	17.97	deg C	CAPA-12-23795
R-20 S1	904.6	05/03/12	WG	Temperature	18.47	deg C	CAPA-12-13225
R-20 S1	904.6	07/27/11	WG	Temperature	18.5	deg C	CAPA-11-22877
R-20 S1	904.6	04/20/11	WG	Temperature	17.7	deg C	CAPA-11-9309

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-20 S1	904.6	01/27/11	WG	Temperature	14.12	deg C	CAPA-11-3007
R-20 S1	904.6	01/27/11	WG	Temperature	14.17	deg C	CAPA-11-3484
R-20 S1	904.6	10/16/12	WG	Turbidity	1.97	NTU	CAPA-12-23795
R-20 S1	904.6	05/03/12	WG	Turbidity	5.74	NTU	CAPA-12-13225
R-20 S1	904.6	07/27/11	WG	Turbidity	0.75	NTU	CAPA-11-22877
R-20 S1	904.6	04/20/11	WG	Turbidity	1.78	NTU	CAPA-11-9309
R-20 S1	904.6	01/27/11	WG	Turbidity	1.64	NTU	CAPA-11-3007
R-20 S1	904.6	01/27/11	WG	Turbidity	0.82	NTU	CAPA-11-3484
R-20 S2	1147.1	10/17/12	WG	Dissolved Oxygen	2.34	mg/L	CAPA-12-23796
R-20 S2	1147.1	05/01/12	WG	Dissolved Oxygen	2.44	mg/L	CAPA-12-13226
R-20 S2	1147.1	05/01/12	WG	Dissolved Oxygen	2.44	mg/L	CAPA-12-13226
R-20 S2	1147.1	10/27/11	WG	Dissolved Oxygen	2.6	mg/L	CAPA-12-1138
R-20 S2	1147.1	07/25/11	WG	Dissolved Oxygen	2.52	mg/L	CAPA-11-22881
R-20 S2	1147.1	04/25/11	WG	Dissolved Oxygen	2.41	mg/L	CAPA-11-9314
R-20 S2	1147.1	10/17/12	WG	Oxidation-Reduction Potential	-124.2	mV	CAPA-12-23796
R-20 S2	1147.1	05/01/12	WG	Oxidation-Reduction Potential	-12.2	mV	CAPA-12-13226
R-20 S2	1147.1	05/01/12	WG	Oxidation-Reduction Potential	-12.2	mV	CAPA-12-13226
R-20 S2	1147.1	10/27/11	WG	Oxidation-Reduction Potential	-33	mV	CAPA-12-1138
R-20 S2	1147.1	07/25/11	WG	Oxidation-Reduction Potential	-77.1	mV	CAPA-11-22881
R-20 S2	1147.1	04/25/11	WG	Oxidation-Reduction Potential	-74.5	mV	CAPA-11-9314
R-20 S2	1147.1	10/17/12	WG	pH	7.88	SU	CAPA-12-23796
R-20 S2	1147.1	05/01/12	WG	pH	7.82	SU	CAPA-12-13226
R-20 S2	1147.1	05/01/12	WG	pH	7.82	SU	CAPA-12-13226
R-20 S2	1147.1	10/27/11	WG	pH	7.93	SU	CAPA-12-1138
R-20 S2	1147.1	07/25/11	WG	pH	7.96	SU	CAPA-11-22881
R-20 S2	1147.1	04/25/11	WG	pH	7.94	SU	CAPA-11-9314
R-20 S2	1147.1	10/17/12	WG	Specific Conductance	136	µS/cm	CAPA-12-23796
R-20 S2	1147.1	05/01/12	WG	Specific Conductance	152	µS/cm	CAPA-12-13226
R-20 S2	1147.1	05/01/12	WG	Specific Conductance	152	µS/cm	CAPA-12-13226

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-20 S2	1147.1	10/27/11	WG	Specific Conductance	142	µS/cm	CAPA-12-1138
R-20 S2	1147.1	07/25/11	WG	Specific Conductance	144	µS/cm	CAPA-11-22881
R-20 S2	1147.1	04/25/11	WG	Specific Conductance	142	µS/cm	CAPA-11-9314
R-20 S2	1147.1	10/17/12	WG	Temperature	20.02	deg C	CAPA-12-23796
R-20 S2	1147.1	05/01/12	WG	Temperature	20.46	deg C	CAPA-12-13226
R-20 S2	1147.1	05/01/12	WG	Temperature	20.46	deg C	CAPA-12-13226
R-20 S2	1147.1	10/27/11	WG	Temperature	18.32	deg C	CAPA-12-1138
R-20 S2	1147.1	07/25/11	WG	Temperature	20.45	deg C	CAPA-11-22881
R-20 S2	1147.1	04/25/11	WG	Temperature	19.58	deg C	CAPA-11-9314
R-20 S2	1147.1	10/17/12	WG	Turbidity	0.51	NTU	CAPA-12-23796
R-20 S2	1147.1	05/01/12	WG	Turbidity	0.71	NTU	CAPA-12-13226
R-20 S2	1147.1	05/01/12	WG	Turbidity	0.71	NTU	CAPA-12-13226
R-20 S2	1147.1	10/27/11	WG	Turbidity	0.53	NTU	CAPA-12-1138
R-20 S2	1147.1	07/25/11	WG	Turbidity	0.44	NTU	CAPA-11-22881
R-20 S2	1147.1	04/25/11	WG	Turbidity	0.69	NTU	CAPA-11-9314
R-21	888.8	10/15/12	WG	Dissolved Oxygen	7.98	mg/L	CAMO-12-23851
R-21	888.8	05/02/12	WG	Dissolved Oxygen	6.25	mg/L	CAPA-12-13259
R-21	888.8	11/03/11	WG	Dissolved Oxygen	6.25	mg/L	CAPA-12-1173
R-21	888.8	07/21/11	WG	Dissolved Oxygen	6.2	mg/L	CAPA-11-22884
R-21	888.8	04/19/11	WG	Dissolved Oxygen	6.29	mg/L	CAPA-11-9316
R-21	888.8	10/15/12	WG	Oxidation-Reduction Potential	61.8	mV	CAMO-12-23851
R-21	888.8	05/02/12	WG	Oxidation-Reduction Potential	165.4	mV	CAPA-12-13259
R-21	888.8	11/03/11	WG	Oxidation-Reduction Potential	124.1	mV	CAPA-12-1173
R-21	888.8	07/21/11	WG	Oxidation-Reduction Potential	85	mV	CAPA-11-22884
R-21	888.8	04/19/11	WG	Oxidation-Reduction Potential	149.2	mV	CAPA-11-9316
R-21	888.8	10/15/12	WG	pH	7.98	SU	CAMO-12-23851
R-21	888.8	05/02/12	WG	pH	8.09	SU	CAPA-12-13259
R-21	888.8	11/03/11	WG	pH	7.99	SU	CAPA-12-1173
R-21	888.8	07/21/11	WG	pH	8	SU	CAPA-11-22884

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-21	888.8	04/19/11	WG	pH	8.03	SU	CAPA-11-9316
R-21	888.8	10/15/12	WG	Specific Conductance	122	µS/cm	CAMO-12-23851
R-21	888.8	05/02/12	WG	Specific Conductance	129	µS/cm	CAPA-12-13259
R-21	888.8	11/03/11	WG	Specific Conductance	126	µS/cm	CAPA-12-1173
R-21	888.8	07/21/11	WG	Specific Conductance	128	µS/cm	CAPA-11-22884
R-21	888.8	04/19/11	WG	Specific Conductance	127	µS/cm	CAPA-11-9316
R-21	888.8	10/15/12	WG	Temperature	21.33	deg C	CAMO-12-23851
R-21	888.8	05/02/12	WG	Temperature	21.79	deg C	CAPA-12-13259
R-21	888.8	11/03/11	WG	Temperature	20.19	deg C	CAPA-12-1173
R-21	888.8	07/21/11	WG	Temperature	21.49	deg C	CAPA-11-22884
R-21	888.8	04/19/11	WG	Temperature	21.33	deg C	CAPA-11-9316
R-21	888.8	10/15/12	WG	Turbidity	0.2	NTU	CAMO-12-23851
R-21	888.8	05/02/12	WG	Turbidity	0.27	NTU	CAPA-12-13259
R-21	888.8	11/03/11	WG	Turbidity	0.51	NTU	CAPA-12-1173
R-21	888.8	07/21/11	WG	Turbidity	0.3	NTU	CAPA-11-22884
R-21	888.8	04/19/11	WG	Turbidity	0.22	NTU	CAPA-11-9316
R-23	816	10/12/12	WG	Dissolved Oxygen	6.88	mg/L	CAPA-12-23797
R-23	816	04/30/12	WG	Dissolved Oxygen	6.36	mg/L	CAPA-12-13227
R-23	816	10/26/11	WG	Dissolved Oxygen	6.93	mg/L	CAPA-12-1139
R-23	816	07/22/11	WG	Dissolved Oxygen	6.91	mg/L	CAPA-11-22870
R-23	816	04/18/11	WG	Dissolved Oxygen	6.92	mg/L	CAPA-11-9588
R-23	816	10/12/12	WG	Oxidation-Reduction Potential	69	mV	CAPA-12-23797
R-23	816	04/30/12	WG	Oxidation-Reduction Potential	84	mV	CAPA-12-13227
R-23	816	10/26/11	WG	Oxidation-Reduction Potential	134.8	mV	CAPA-12-1139
R-23	816	07/22/11	WG	Oxidation-Reduction Potential	119.3	mV	CAPA-11-22870
R-23	816	04/18/11	WG	Oxidation-Reduction Potential	103.1	mV	CAPA-11-9588
R-23	816	10/12/12	WG	pH	8.02	SU	CAPA-12-23797
R-23	816	04/30/12	WG	pH	7.88	SU	CAPA-12-13227
R-23	816	10/26/11	WG	pH	8.03	SU	CAPA-12-1139

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-23	816	07/22/11	WG	pH	8.05	SU	CAPA-11-22870
R-23	816	04/18/11	WG	pH	8.07	SU	CAPA-11-9588
R-23	816	10/12/12	WG	Specific Conductance	162	µS/cm	CAPA-12-23797
R-23	816	04/30/12	WG	Specific Conductance	192	µS/cm	CAPA-12-13227
R-23	816	10/26/11	WG	Specific Conductance	166	µS/cm	CAPA-12-1139
R-23	816	07/22/11	WG	Specific Conductance	174	µS/cm	CAPA-11-22870
R-23	816	04/18/11	WG	Specific Conductance	172	µS/cm	CAPA-11-9588
R-23	816	10/12/12	WG	Temperature	20.75	deg C	CAPA-12-23797
R-23	816	04/30/12	WG	Temperature	20.06	deg C	CAPA-12-13227
R-23	816	10/26/11	WG	Temperature	21.21	deg C	CAPA-12-1139
R-23	816	07/22/11	WG	Temperature	21.82	deg C	CAPA-11-22870
R-23	816	04/18/11	WG	Temperature	21.99	deg C	CAPA-11-9588
R-23	816	10/12/12	WG	Turbidity	0.6	NTU	CAPA-12-23797
R-23	816	04/30/12	WG	Turbidity	0.84	NTU	CAPA-12-13227
R-23	816	10/26/11	WG	Turbidity	0.57	NTU	CAPA-12-1139
R-23	816	07/22/11	WG	Turbidity	1.26	NTU	CAPA-11-22870
R-23	816	04/18/11	WG	Turbidity	0.69	NTU	CAPA-11-9588
R-23i S1	400.3	10/09/12	WG	Dissolved Oxygen	6.93	mg/L	CAPA-12-23798
R-23i S1	400.3	05/10/12	WG	Dissolved Oxygen	6.49	mg/L	CAPA-12-13228
R-23i S1	400.3	11/04/11	WG	Dissolved Oxygen	6.74	mg/L	CAPA-12-1113
R-23i S1	400.3	07/25/11	WG	Dissolved Oxygen	6.62	mg/L	CAPA-11-22843
R-23i S1	400.3	04/28/11	WG	Dissolved Oxygen	6.8	mg/L	CAPA-11-9568
R-23i S1	400.3	10/09/12	WG	Oxidation-Reduction Potential	248.3	mV	CAPA-12-23798
R-23i S1	400.3	05/10/12	WG	Oxidation-Reduction Potential	191.1	mV	CAPA-12-13228
R-23i S1	400.3	11/04/11	WG	Oxidation-Reduction Potential	219.2	mV	CAPA-12-1113
R-23i S1	400.3	07/25/11	WG	Oxidation-Reduction Potential	203.1	mV	CAPA-11-22843
R-23i S1	400.3	04/28/11	WG	Oxidation-Reduction Potential	172.2	mV	CAPA-11-9568
R-23i S1	400.3	10/09/12	WG	pH	7.78	SU	CAPA-12-23798
R-23i S1	400.3	05/10/12	WG	pH	7.71	SU	CAPA-12-13228

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-23i S1	400.3	11/04/11	WG	pH	7.58	SU	CAPA-12-1113
R-23i S1	400.3	07/25/11	WG	pH	7.65	SU	CAPA-11-22843
R-23i S1	400.3	04/28/11	WG	pH	7.55	SU	CAPA-11-9568
R-23i S1	400.3	10/09/12	WG	Specific Conductance	282	µS/cm	CAPA-12-23798
R-23i S1	400.3	05/10/12	WG	Specific Conductance	285	µS/cm	CAPA-12-13228
R-23i S1	400.3	11/04/11	WG	Specific Conductance	275	µS/cm	CAPA-12-1113
R-23i S1	400.3	07/25/11	WG	Specific Conductance	295	µS/cm	CAPA-11-22843
R-23i S1	400.3	04/28/11	WG	Specific Conductance	275	µS/cm	CAPA-11-9568
R-23i S1	400.3	10/09/12	WG	Temperature	15.77	deg C	CAPA-12-23798
R-23i S1	400.3	05/10/12	WG	Temperature	15.09	deg C	CAPA-12-13228
R-23i S1	400.3	11/04/11	WG	Temperature	13.8	deg C	CAPA-12-1113
R-23i S1	400.3	07/25/11	WG	Temperature	18	deg C	CAPA-11-22843
R-23i S1	400.3	04/28/11	WG	Temperature	15.17	deg C	CAPA-11-9568
R-23i S1	400.3	10/09/12	WG	Turbidity	4.94	NTU	CAPA-12-23798
R-23i S1	400.3	05/10/12	WG	Turbidity	5.24	NTU	CAPA-12-13228
R-23i S1	400.3	11/04/11	WG	Turbidity	2.59	NTU	CAPA-12-1113
R-23i S1	400.3	07/25/11	WG	Turbidity	1.34	NTU	CAPA-11-22843
R-23i S1	400.3	04/28/11	WG	Turbidity	3.1	NTU	CAPA-11-9568
R-23i S2	470.2	10/17/12	WG	Dissolved Oxygen	5.77	mg/L	CAPA-12-23799
R-23i S2	470.2	05/01/12	WG	Dissolved Oxygen	5.61	mg/L	CAPA-12-13229
R-23i S2	470.2	05/01/12	WG	Dissolved Oxygen	5.61	mg/L	CAPA-12-13229
R-23i S2	470.2	10/20/11	WG	Dissolved Oxygen	6.16	mg/L	CAPA-12-1119
R-23i S2	470.2	07/26/11	WG	Dissolved Oxygen	5.72	mg/L	CAPA-11-22677
R-23i S2	470.2	05/03/11	WG	Dissolved Oxygen	6.02	mg/L	CAPA-11-9574
R-23i S2	470.2	10/17/12	WG	Oxidation-Reduction Potential	166	mV	CAPA-12-23799
R-23i S2	470.2	05/01/12	WG	Oxidation-Reduction Potential	93.2	mV	CAPA-12-13229
R-23i S2	470.2	10/20/11	WG	Oxidation-Reduction Potential	117.3	mV	CAPA-12-1119
R-23i S2	470.2	07/26/11	WG	Oxidation-Reduction Potential	214.1	mV	CAPA-11-22677
R-23i S2	470.2	05/03/11	WG	Oxidation-Reduction Potential	260.4	mV	CAPA-11-9574

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-23i S2	470.2	10/17/12	WG	pH	8.18	SU	CAPA-12-23799
R-23i S2	470.2	05/01/12	WG	pH	8	SU	CAPA-12-13229
R-23i S2	470.2	10/20/11	WG	pH	8.12	SU	CAPA-12-1119
R-23i S2	470.2	07/26/11	WG	pH	8.17	SU	CAPA-11-22677
R-23i S2	470.2	05/03/11	WG	pH	8.12	SU	CAPA-11-9574
R-23i S2	470.2	10/17/12	WG	Specific Conductance	184	µS/cm	CAPA-12-23799
R-23i S2	470.2	05/01/12	WG	Specific Conductance	184	µS/cm	CAPA-12-13229
R-23i S2	470.2	10/20/11	WG	Specific Conductance	182	µS/cm	CAPA-12-1119
R-23i S2	470.2	07/26/11	WG	Specific Conductance	196	µS/cm	CAPA-11-22677
R-23i S2	470.2	05/03/11	WG	Specific Conductance	190	µS/cm	CAPA-11-9574
R-23i S2	470.2	10/17/12	WG	Temperature	15.59	deg C	CAPA-12-23799
R-23i S2	470.2	05/01/12	WG	Temperature	16	deg C	CAPA-12-13229
R-23i S2	470.2	10/20/11	WG	Temperature	15.72	deg C	CAPA-12-1119
R-23i S2	470.2	07/26/11	WG	Temperature	17.36	deg C	CAPA-11-22677
R-23i S2	470.2	05/03/11	WG	Temperature	15.76	deg C	CAPA-11-9574
R-23i S2	470.2	10/17/12	WG	Turbidity	0.46	NTU	CAPA-12-23799
R-23i S2	470.2	05/01/12	WG	Turbidity	0.71	NTU	CAPA-12-13229
R-23i S2	470.2	10/20/11	WG	Turbidity	0.3	NTU	CAPA-12-1119
R-23i S2	470.2	07/26/11	WG	Turbidity	1.28	NTU	CAPA-11-22677
R-23i S2	470.2	05/03/11	WG	Turbidity	0.44	NTU	CAPA-11-9574
R-23i S3	524	10/10/12	WG	Dissolved Oxygen	6.79	mg/L	CAPA-12-23800
R-23i S3	524	04/30/12	WG	Dissolved Oxygen	3.6	mg/L	CAPA-12-13230
R-23i S3	524	10/26/11	WG	Dissolved Oxygen	7.25	mg/L	CAPA-12-1121
R-23i S3	524	07/29/11	WG	Dissolved Oxygen	6.6	mg/L	CAPA-11-14694
R-23i S3	524	07/29/11	WG	Dissolved Oxygen	6.89	mg/L	CAPA-11-14696
R-23i S3	524	07/29/11	WG	Dissolved Oxygen	6.99	mg/L	CAPA-11-14698
R-23i S3	524	07/29/11	WG	Dissolved Oxygen	6.99	mg/L	CAPA-11-22845
R-23i S3	524	04/18/11	WG	Dissolved Oxygen	6.06	mg/L	CAPA-11-9575
R-23i S3	524	10/10/12	WG	Oxidation-Reduction Potential	47.1	mV	CAPA-12-23800

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-23i S3	524	04/30/12	WG	Oxidation-Reduction Potential	-46.7	mV	CAPA-12-13230
R-23i S3	524	10/26/11	WG	Oxidation-Reduction Potential	123.7	mV	CAPA-12-1121
R-23i S3	524	07/29/11	WG	Oxidation-Reduction Potential	141.8	mV	CAPA-11-14694
R-23i S3	524	07/29/11	WG	Oxidation-Reduction Potential	166.1	mV	CAPA-11-14696
R-23i S3	524	07/29/11	WG	Oxidation-Reduction Potential	180.2	mV	CAPA-11-14698
R-23i S3	524	07/29/11	WG	Oxidation-Reduction Potential	180.2	mV	CAPA-11-22845
R-23i S3	524	04/18/11	WG	Oxidation-Reduction Potential	79.5	mV	CAPA-11-9575
R-23i S3	524	10/10/12	WG	pH	8.21	SU	CAPA-12-23800
R-23i S3	524	04/30/12	WG	pH	7.64	SU	CAPA-12-13230
R-23i S3	524	10/26/11	WG	pH	8.2	SU	CAPA-12-1121
R-23i S3	524	07/29/11	WG	pH	8.15	SU	CAPA-11-14694
R-23i S3	524	07/29/11	WG	pH	8.18	SU	CAPA-11-14696
R-23i S3	524	07/29/11	WG	pH	8.2	SU	CAPA-11-14698
R-23i S3	524	07/29/11	WG	pH	8.2	SU	CAPA-11-22845
R-23i S3	524	04/18/11	WG	pH	8.23	SU	CAPA-11-9575
R-23i S3	524	10/10/12	WG	Specific Conductance	191	µS/cm	CAPA-12-23800
R-23i S3	524	04/30/12	WG	Specific Conductance	235	µS/cm	CAPA-12-13230
R-23i S3	524	10/26/11	WG	Specific Conductance	200	µS/cm	CAPA-12-1121
R-23i S3	524	07/29/11	WG	Specific Conductance	199	µS/cm	CAPA-11-14694
R-23i S3	524	07/29/11	WG	Specific Conductance	183	µS/cm	CAPA-11-14696
R-23i S3	524	07/29/11	WG	Specific Conductance	198	µS/cm	CAPA-11-14698
R-23i S3	524	07/29/11	WG	Specific Conductance	198	µS/cm	CAPA-11-22845
R-23i S3	524	04/18/11	WG	Specific Conductance	189	µS/cm	CAPA-11-9575
R-23i S3	524	10/10/12	WG	Temperature	17.25	deg C	CAPA-12-23800
R-23i S3	524	04/30/12	WG	Temperature	19.15	deg C	CAPA-12-13230
R-23i S3	524	10/26/11	WG	Temperature	17.1	deg C	CAPA-12-1121
R-23i S3	524	07/29/11	WG	Temperature	17.62	deg C	CAPA-11-14694
R-23i S3	524	07/29/11	WG	Temperature	17.86	deg C	CAPA-11-14696
R-23i S3	524	07/29/11	WG	Temperature	18.11	deg C	CAPA-11-14698

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-23i S3	524	07/29/11	WG	Temperature	18.11	deg C	CAPA-11-22845
R-23i S3	524	04/18/11	WG	Temperature	16.55	deg C	CAPA-11-9575
R-23i S3	524	10/10/12	WG	Turbidity	1.64	NTU	CAPA-12-23800
R-23i S3	524	04/30/12	WG	Turbidity	0.71	NTU	CAPA-12-13230
R-23i S3	524	10/26/11	WG	Turbidity	0.51	NTU	CAPA-12-1121
R-23i S3	524	07/29/11	WG	Turbidity	1.4	NTU	CAPA-11-14694
R-23i S3	524	07/29/11	WG	Turbidity	0.77	NTU	CAPA-11-14696
R-23i S3	524	07/29/11	WG	Turbidity	1.37	NTU	CAPA-11-14698
R-23i S3	524	07/29/11	WG	Turbidity	1.37	NTU	CAPA-11-22845
R-23i S3	524	04/18/11	WG	Turbidity	1.19	NTU	CAPA-11-9575
R-32 S1	867.5	10/19/12	WG	Dissolved Oxygen	4.14	mg/L	CAPA-12-23801
R-32 S1	867.5	04/25/12	WG	Dissolved Oxygen	3.96	mg/L	CAPA-12-13231
R-32 S1	867.5	10/20/11	WG	Dissolved Oxygen	4.2	mg/L	CAPA-12-1143
R-32 S1	867.5	07/27/11	WG	Dissolved Oxygen	4.5	mg/L	CAPA-11-14782
R-32 S1	867.5	07/27/11	WG	Dissolved Oxygen	4.5	mg/L	CAPA-11-22695
R-32 S1	867.5	07/27/11	WG	Dissolved Oxygen	4	mg/L	CAPA-11-14778
R-32 S1	867.5	07/27/11	WG	Dissolved Oxygen	4.75	mg/L	CAPA-11-14780
R-32 S1	867.5	05/02/11	WG	Dissolved Oxygen	4.16	mg/L	CAPA-11-9318
R-32 S1	867.5	10/19/12	WG	Oxidation-Reduction Potential	133.7	mV	CAPA-12-23801
R-32 S1	867.5	04/25/12	WG	Oxidation-Reduction Potential	59.1	mV	CAPA-12-13231
R-32 S1	867.5	10/20/11	WG	Oxidation-Reduction Potential	177.6	mV	CAPA-12-1143
R-32 S1	867.5	07/27/11	WG	Oxidation-Reduction Potential	188.9	mV	CAPA-11-14782
R-32 S1	867.5	07/27/11	WG	Oxidation-Reduction Potential	188.9	mV	CAPA-11-22695
R-32 S1	867.5	07/27/11	WG	Oxidation-Reduction Potential	175.3	mV	CAPA-11-14778
R-32 S1	867.5	07/27/11	WG	Oxidation-Reduction Potential	187.6	mV	CAPA-11-14780
R-32 S1	867.5	05/02/11	WG	Oxidation-Reduction Potential	82.1	mV	CAPA-11-9318
R-32 S1	867.5	10/19/12	WG	pH	6.94	SU	CAPA-12-23801
R-32 S1	867.5	04/25/12	WG	pH	6.99	SU	CAPA-12-13231
R-32 S1	867.5	10/20/11	WG	pH	6.92	SU	CAPA-12-1143

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-32 S1	867.5	07/27/11	WG	pH	6.95	SU	CAPA-11-14782
R-32 S1	867.5	07/27/11	WG	pH	6.95	SU	CAPA-11-22695
R-32 S1	867.5	07/27/11	WG	pH	7.52	SU	CAPA-11-14778
R-32 S1	867.5	07/27/11	WG	pH	6.98	SU	CAPA-11-14780
R-32 S1	867.5	05/02/11	WG	pH	7.02	SU	CAPA-11-9318
R-32 S1	867.5	10/19/12	WG	Specific Conductance	169	µS/cm	CAPA-12-23801
R-32 S1	867.5	04/25/12	WG	Specific Conductance	169	µS/cm	CAPA-12-13231
R-32 S1	867.5	10/20/11	WG	Specific Conductance	168	µS/cm	CAPA-12-1143
R-32 S1	867.5	07/27/11	WG	Specific Conductance	170	µS/cm	CAPA-11-14782
R-32 S1	867.5	07/27/11	WG	Specific Conductance	170	µS/cm	CAPA-11-22695
R-32 S1	867.5	07/27/11	WG	Specific Conductance	169	µS/cm	CAPA-11-14778
R-32 S1	867.5	07/27/11	WG	Specific Conductance	171	µS/cm	CAPA-11-14780
R-32 S1	867.5	05/02/11	WG	Specific Conductance	172	µS/cm	CAPA-11-9318
R-32 S1	867.5	10/19/12	WG	Temperature	18.77	deg C	CAPA-12-23801
R-32 S1	867.5	04/25/12	WG	Temperature	19.21	deg C	CAPA-12-13231
R-32 S1	867.5	10/20/11	WG	Temperature	19.02	deg C	CAPA-12-1143
R-32 S1	867.5	07/27/11	WG	Temperature	20.16	deg C	CAPA-11-14782
R-32 S1	867.5	07/27/11	WG	Temperature	20.16	deg C	CAPA-11-22695
R-32 S1	867.5	07/27/11	WG	Temperature	19.14	deg C	CAPA-11-14778
R-32 S1	867.5	07/27/11	WG	Temperature	19.73	deg C	CAPA-11-14780
R-32 S1	867.5	05/02/11	WG	Temperature	18.2	deg C	CAPA-11-9318
R-32 S1	867.5	10/19/12	WG	Turbidity	0.9	NTU	CAPA-12-23801
R-32 S1	867.5	04/25/12	WG	Turbidity	0.81	NTU	CAPA-12-13231
R-32 S1	867.5	10/20/11	WG	Turbidity	0.67	NTU	CAPA-12-1143
R-32 S1	867.5	07/27/11	WG	Turbidity	0.64	NTU	CAPA-11-14782
R-32 S1	867.5	07/27/11	WG	Turbidity	0.64	NTU	CAPA-11-22695
R-32 S1	867.5	07/27/11	WG	Turbidity	1.26	NTU	CAPA-11-14778
R-32 S1	867.5	07/27/11	WG	Turbidity	0.68	NTU	CAPA-11-14780
R-32 S1	867.5	05/02/11	WG	Turbidity	0.47	NTU	CAPA-11-9318

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-37 S1	929.3	10/23/12	WG	Dissolved Oxygen	1.54	mg/L	CAMO-12-23859
R-37 S1	929.3	04/25/12	WG	Dissolved Oxygen	1.45	mg/L	CAPA-12-13260
R-37 S1	929.3	10/28/11	WG	Dissolved Oxygen	1.82	mg/L	CAPA-12-1127
R-37 S1	929.3	07/19/11	WG	Dissolved Oxygen	1.83	mg/L	CAPA-11-22854
R-37 S1	929.3	05/03/11	WG	Dissolved Oxygen	1.78	mg/L	CAPA-11-9298
R-37 S1	929.3	10/23/12	WG	Oxidation-Reduction Potential	162.8	mV	CAMO-12-23859
R-37 S1	929.3	04/25/12	WG	Oxidation-Reduction Potential	21.2	mV	CAPA-12-13260
R-37 S1	929.3	10/28/11	WG	Oxidation-Reduction Potential	130.1	mV	CAPA-12-1127
R-37 S1	929.3	07/19/11	WG	Oxidation-Reduction Potential	153.1	mV	CAPA-11-22854
R-37 S1	929.3	05/03/11	WG	Oxidation-Reduction Potential	70.4	mV	CAPA-11-9298
R-37 S1	929.3	10/23/12	WG	pH	8.23	SU	CAMO-12-23859
R-37 S1	929.3	04/25/12	WG	pH	8.17	SU	CAPA-12-13260
R-37 S1	929.3	10/28/11	WG	pH	8.19	SU	CAPA-12-1127
R-37 S1	929.3	07/19/11	WG	pH	8.14	SU	CAPA-11-22854
R-37 S1	929.3	05/03/11	WG	pH	8.04	SU	CAPA-11-9298
R-37 S1	929.3	10/23/12	WG	Specific Conductance	220	µS/cm	CAMO-12-23859
R-37 S1	929.3	04/25/12	WG	Specific Conductance	213	µS/cm	CAPA-12-13260
R-37 S1	929.3	10/28/11	WG	Specific Conductance	236	µS/cm	CAPA-12-1127
R-37 S1	929.3	07/19/11	WG	Specific Conductance	239	µS/cm	CAPA-11-22854
R-37 S1	929.3	05/03/11	WG	Specific Conductance	237	µS/cm	CAPA-11-9298
R-37 S1	929.3	10/23/12	WG	Temperature	17.44	deg C	CAMO-12-23859
R-37 S1	929.3	04/25/12	WG	Temperature	18.62	deg C	CAPA-12-13260
R-37 S1	929.3	10/28/11	WG	Temperature	17.42	deg C	CAPA-12-1127
R-37 S1	929.3	07/19/11	WG	Temperature	18.22	deg C	CAPA-11-22854
R-37 S1	929.3	05/03/11	WG	Temperature	17.74	deg C	CAPA-11-9298
R-37 S1	929.3	10/23/12	WG	Turbidity	0.44	NTU	CAMO-12-23859
R-37 S1	929.3	04/25/12	WG	Turbidity	0.43	NTU	CAPA-12-13260
R-37 S1	929.3	10/28/11	WG	Turbidity	0.57	NTU	CAPA-12-1127
R-37 S1	929.3	07/19/11	WG	Turbidity	0.32	NTU	CAPA-11-22854

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-37 S1	929.3	05/03/11	WG	Turbidity	0.45	NTU	CAPA-11-9298
R-37 S2	1026	10/22/12	WG	Dissolved Oxygen	7.59	mg/L	CAMO-12-23860
R-37 S2	1026	04/27/12	WG	Dissolved Oxygen	7.36	mg/L	CAPA-12-13261
R-37 S2	1026	10/31/11	WG	Dissolved Oxygen	6.89	mg/L	CAPA-12-1178
R-37 S2	1026	07/13/11	WG	Dissolved Oxygen	8	mg/L	CAPA-11-22886
R-37 S2	1026	04/26/11	WG	Dissolved Oxygen	7.53	mg/L	CAPA-11-9322
R-37 S2	1026	10/22/12	WG	Oxidation-Reduction Potential	184.3	mV	CAMO-12-23860
R-37 S2	1026	04/27/12	WG	Oxidation-Reduction Potential	143.9	mV	CAPA-12-13261
R-37 S2	1026	10/31/11	WG	Oxidation-Reduction Potential	124.2	mV	CAPA-12-1178
R-37 S2	1026	07/13/11	WG	Oxidation-Reduction Potential	95.6	mV	CAPA-11-22886
R-37 S2	1026	04/26/11	WG	Oxidation-Reduction Potential	64.7	mV	CAPA-11-9322
R-37 S2	1026	10/22/12	WG	pH	7.91	SU	CAMO-12-23860
R-37 S2	1026	04/27/12	WG	pH	8.1	SU	CAPA-12-13261
R-37 S2	1026	10/31/11	WG	pH	7.89	SU	CAPA-12-1178
R-37 S2	1026	07/13/11	WG	pH	7.95	SU	CAPA-11-22886
R-37 S2	1026	04/26/11	WG	pH	8.05	SU	CAPA-11-9322
R-37 S2	1026	10/22/12	WG	Specific Conductance	131	µS/cm	CAMO-12-23860
R-37 S2	1026	04/27/12	WG	Specific Conductance	134	µS/cm	CAPA-12-13261
R-37 S2	1026	10/31/11	WG	Specific Conductance	135	µS/cm	CAPA-12-1178
R-37 S2	1026	07/13/11	WG	Specific Conductance	118	µS/cm	CAPA-11-22886
R-37 S2	1026	04/26/11	WG	Specific Conductance	130	µS/cm	CAPA-11-9322
R-37 S2	1026	10/22/12	WG	Temperature	20.81	deg C	CAMO-12-23860
R-37 S2	1026	04/27/12	WG	Temperature	20.54	deg C	CAPA-12-13261
R-37 S2	1026	10/31/11	WG	Temperature	19.69	deg C	CAPA-12-1178
R-37 S2	1026	07/13/11	WG	Temperature	22.11	deg C	CAPA-11-22886
R-37 S2	1026	04/26/11	WG	Temperature	20.59	deg C	CAPA-11-9322
R-37 S2	1026	10/22/12	WG	Turbidity	0.6	NTU	CAMO-12-23860
R-37 S2	1026	04/27/12	WG	Turbidity	0.78	NTU	CAPA-12-13261
R-37 S2	1026	10/31/11	WG	Turbidity	0.75	NTU	CAPA-12-1178

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-37 S2	1026	07/13/11	WG	Turbidity	0.57	NTU	CAPA-11-22886
R-37 S2	1026	04/26/11	WG	Turbidity	1.27	NTU	CAPA-11-9322
R-38	821.2	10/09/12	WG	Dissolved Oxygen	6.72	mg/L	CAMO-12-23861
R-38	821.2	04/24/12	WG	Dissolved Oxygen	6.87	mg/L	CAPA-12-13262
R-38	821.2	10/25/11	WG	Dissolved Oxygen	6.88	mg/L	CAPA-12-1181
R-38	821.2	07/26/11	WG	Dissolved Oxygen	7.03	mg/L	CAPA-11-22889
R-38	821.2	05/06/11	WG	Dissolved Oxygen	6.99	mg/L	CAPA-11-9325
R-38	821.2	10/09/12	WG	Oxidation-Reduction Potential	78.7	mV	CAMO-12-23861
R-38	821.2	04/24/12	WG	Oxidation-Reduction Potential	111.6	mV	CAPA-12-13262
R-38	821.2	10/25/11	WG	Oxidation-Reduction Potential	88	mV	CAPA-12-1181
R-38	821.2	07/26/11	WG	Oxidation-Reduction Potential	113.8	mV	CAPA-11-22889
R-38	821.2	05/06/11	WG	Oxidation-Reduction Potential	45.7	mV	CAPA-11-9325
R-38	821.2	10/09/12	WG	pH	7.26	SU	CAMO-12-23861
R-38	821.2	04/24/12	WG	pH	7.32	SU	CAPA-12-13262
R-38	821.2	10/25/11	WG	pH	7.41	SU	CAPA-12-1181
R-38	821.2	07/26/11	WG	pH	7.42	SU	CAPA-11-22889
R-38	821.2	05/06/11	WG	pH	7.32	SU	CAPA-11-9325
R-38	821.2	10/09/12	WG	Specific Conductance	138	µS/cm	CAMO-12-23861
R-38	821.2	04/24/12	WG	Specific Conductance	141	µS/cm	CAPA-12-13262
R-38	821.2	10/25/11	WG	Specific Conductance	140	µS/cm	CAPA-12-1181
R-38	821.2	07/26/11	WG	Specific Conductance	135	µS/cm	CAPA-11-22889
R-38	821.2	05/06/11	WG	Specific Conductance	142	µS/cm	CAPA-11-9325
R-38	821.2	10/09/12	WG	Temperature	18.41	deg C	CAMO-12-23861
R-38	821.2	04/24/12	WG	Temperature	18.91	deg C	CAPA-12-13262
R-38	821.2	10/25/11	WG	Temperature	18.57	deg C	CAPA-12-1181
R-38	821.2	07/26/11	WG	Temperature	19.13	deg C	CAPA-11-22889
R-38	821.2	05/06/11	WG	Temperature	19.09	deg C	CAPA-11-9325
R-38	821.2	10/09/12	WG	Turbidity	0.61	NTU	CAMO-12-23861
R-38	821.2	04/24/12	WG	Turbidity	0.68	NTU	CAPA-12-13262

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-38	821.2	10/25/11	WG	Turbidity	0.97	NTU	CAPA-12-1181
R-38	821.2	07/26/11	WG	Turbidity	0.92	NTU	CAPA-11-22889
R-38	821.2	05/06/11	WG	Turbidity	0.6	NTU	CAPA-11-9325
R-39	859	10/11/12	WG	Dissolved Oxygen	6.53	mg/L	CAPA-12-23802
R-39	859	04/25/12	WG	Dissolved Oxygen	6.54	mg/L	CAPA-12-13232
R-39	859	10/27/11	WG	Dissolved Oxygen	6.66	mg/L	CAPA-12-1147
R-39	859	07/28/11	WG	Dissolved Oxygen	6.66	mg/L	CAPA-11-22896
R-39	859	04/21/11	WG	Dissolved Oxygen	6.33	mg/L	CAPA-11-9340
R-39	859	10/11/12	WG	Oxidation-Reduction Potential	10.9	mV	CAPA-12-23802
R-39	859	04/25/12	WG	Oxidation-Reduction Potential	62.1	mV	CAPA-12-13232
R-39	859	10/27/11	WG	Oxidation-Reduction Potential	193.7	mV	CAPA-12-1147
R-39	859	07/28/11	WG	Oxidation-Reduction Potential	154.7	mV	CAPA-11-22896
R-39	859	04/21/11	WG	Oxidation-Reduction Potential	134.1	mV	CAPA-11-9340
R-39	859	10/11/12	WG	pH	8.18	SU	CAPA-12-23802
R-39	859	04/25/12	WG	pH	8.11	SU	CAPA-12-13232
R-39	859	10/27/11	WG	pH	8.07	SU	CAPA-12-1147
R-39	859	07/28/11	WG	pH	8.09	SU	CAPA-11-22896
R-39	859	04/21/11	WG	pH	8.07	SU	CAPA-11-9340
R-39	859	10/11/12	WG	Specific Conductance	134	µS/cm	CAPA-12-23802
R-39	859	04/25/12	WG	Specific Conductance	140	µS/cm	CAPA-12-13232
R-39	859	10/27/11	WG	Specific Conductance	141	µS/cm	CAPA-12-1147
R-39	859	07/28/11	WG	Specific Conductance	139	µS/cm	CAPA-11-22896
R-39	859	04/21/11	WG	Specific Conductance	140	µS/cm	CAPA-11-9340
R-39	859	10/11/12	WG	Temperature	22.44	deg C	CAPA-12-23802
R-39	859	04/25/12	WG	Temperature	22.69	deg C	CAPA-12-13232
R-39	859	10/27/11	WG	Temperature	22.14	deg C	CAPA-12-1147
R-39	859	07/28/11	WG	Temperature	22.81	deg C	CAPA-11-22896
R-39	859	04/21/11	WG	Temperature	22.69	deg C	CAPA-11-9340
R-39	859	10/11/12	WG	Turbidity	1.04	NTU	CAPA-12-23802

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-39	859	04/25/12	WG	Turbidity	1.38	NTU	CAPA-12-13232
R-39	859	10/27/11	WG	Turbidity	2.07	NTU	CAPA-12-1147
R-39	859	07/28/11	WG	Turbidity	2.37	NTU	CAPA-11-22896
R-39	859	04/21/11	WG	Turbidity	2.18	NTU	CAPA-11-9340
R-40 S1	751.59	10/12/12	WG	Dissolved Oxygen	2.11	mg/L	CAPA-12-23803
R-40 S1	751.59	10/12/12	WG	Dissolved Oxygen	1.21	mg/L	CAPA-13-24285
R-40 S1	751.59	04/26/12	WG	Dissolved Oxygen	0.99	mg/L	CAPA-12-13233
R-40 S1	751.59	11/01/11	WG	Dissolved Oxygen	5.35	mg/L	CAPA-12-1310
R-40 S1	751.59	10/31/11	WG	Dissolved Oxygen	8.39	mg/L	CAPA-12-1307
R-40 S1	751.59	10/31/11	WG	Dissolved Oxygen	4.85	mg/L	CAPA-12-1308
R-40 S1	751.59	10/31/11	WG	Dissolved Oxygen	2.92	mg/L	CAPA-12-1309
R-40 S1	751.59	07/11/11	WG	Dissolved Oxygen	5.68	mg/L	CAPA-11-22709
R-40 S1	751.59	10/12/12	WG	Oxidation-Reduction Potential	157.2	mV	CAPA-12-23803
R-40 S1	751.59	10/12/12	WG	Oxidation-Reduction Potential	173.8	mV	CAPA-13-24285
R-40 S1	751.59	04/26/12	WG	Oxidation-Reduction Potential	16.6	mV	CAPA-12-13233
R-40 S1	751.59	11/01/11	WG	Oxidation-Reduction Potential	213.8	mV	CAPA-12-1310
R-40 S1	751.59	10/31/11	WG	Oxidation-Reduction Potential	169.1	mV	CAPA-12-1307
R-40 S1	751.59	10/31/11	WG	Oxidation-Reduction Potential	138.3	mV	CAPA-12-1308
R-40 S1	751.59	10/31/11	WG	Oxidation-Reduction Potential	54	mV	CAPA-12-1309
R-40 S1	751.59	07/11/11	WG	Oxidation-Reduction Potential	265.3	mV	CAPA-11-22709
R-40 S1	751.59	10/12/12	WG	pH	9.22	SU	CAPA-12-23803
R-40 S1	751.59	10/12/12	WG	pH	9.58	SU	CAPA-13-24285
R-40 S1	751.59	04/26/12	WG	pH	9.34	SU	CAPA-12-13233
R-40 S1	751.59	11/01/11	WG	pH	9.04	SU	CAPA-12-1310
R-40 S1	751.59	10/31/11	WG	pH	8.27	SU	CAPA-12-1307
R-40 S1	751.59	10/31/11	WG	pH	9.23	SU	CAPA-12-1308
R-40 S1	751.59	10/31/11	WG	pH	9	SU	CAPA-12-1309
R-40 S1	751.59	07/11/11	WG	pH	8.93	SU	CAPA-11-22709
R-40 S1	751.59	10/12/12	WG	Specific Conductance	162	µS/cm	CAPA-12-23803

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-40 S1	751.59	10/12/12	WG	Specific Conductance	150	µS/cm	CAPA-13-24285
R-40 S1	751.59	04/26/12	WG	Specific Conductance	166	µS/cm	CAPA-12-13233
R-40 S1	751.59	11/01/11	WG	Specific Conductance	178	µS/cm	CAPA-12-1310
R-40 S1	751.59	10/31/11	WG	Specific Conductance	165	µS/cm	CAPA-12-1307
R-40 S1	751.59	10/31/11	WG	Specific Conductance	150	µS/cm	CAPA-12-1308
R-40 S1	751.59	10/31/11	WG	Specific Conductance	169	µS/cm	CAPA-12-1309
R-40 S1	751.59	07/11/11	WG	Specific Conductance	195	µS/cm	CAPA-11-22709
R-40 S1	751.59	10/12/12	WG	Temperature	16	deg C	CAPA-12-23803
R-40 S1	751.59	10/12/12	WG	Temperature	15.8	deg C	CAPA-13-24285
R-40 S1	751.59	04/26/12	WG	Temperature	16.62	deg C	CAPA-12-13233
R-40 S1	751.59	11/01/11	WG	Temperature	15.6	deg C	CAPA-12-1310
R-40 S1	751.59	10/31/11	WG	Temperature	14.6	deg C	CAPA-12-1307
R-40 S1	751.59	10/31/11	WG	Temperature	16.08	deg C	CAPA-12-1308
R-40 S1	751.59	10/31/11	WG	Temperature	15.64	deg C	CAPA-12-1309
R-40 S1	751.59	07/11/11	WG	Temperature	15.97	deg C	CAPA-11-22709
R-40 S1	751.59	10/12/12	WG	Turbidity	1.02	NTU	CAPA-12-23803
R-40 S1	751.59	10/12/12	WG	Turbidity	0.47	NTU	CAPA-13-24285
R-40 S1	751.59	04/26/12	WG	Turbidity	0.42	NTU	CAPA-12-13233
R-40 S1	751.59	11/01/11	WG	Turbidity	1.48	NTU	CAPA-12-1310
R-40 S1	751.59	10/31/11	WG	Turbidity	1.02	NTU	CAPA-12-1307
R-40 S1	751.59	10/31/11	WG	Turbidity	0.84	NTU	CAPA-12-1308
R-40 S1	751.59	10/31/11	WG	Turbidity	1.1	NTU	CAPA-12-1309
R-40 S1	751.59	07/11/11	WG	Turbidity	1.47	NTU	CAPA-11-22709
R-40 S2	849.27	10/12/12	WG	Dissolved Oxygen	6.85	mg/L	CAPA-12-23804
R-40 S2	849.27	05/01/12	WG	Dissolved Oxygen	7.39	mg/L	CAPA-12-13234
R-40 S2	849.27	10/20/11	WG	Dissolved Oxygen	6.67	mg/L	CAPA-12-1150
R-40 S2	849.27	07/08/11	WG	Dissolved Oxygen	7.32	mg/L	CAPA-11-22899
R-40 S2	849.27	04/26/11	WG	Dissolved Oxygen	7.58	mg/L	CAPA-11-9344
R-40 S2	849.27	10/12/12	WG	Oxidation-Reduction Potential	183.7	mV	CAPA-12-23804

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-40 S2	849.27	05/01/12	WG	Oxidation-Reduction Potential	170.4	mV	CAPA-12-13234
R-40 S2	849.27	10/20/11	WG	Oxidation-Reduction Potential	81.7	mV	CAPA-12-1150
R-40 S2	849.27	07/08/11	WG	Oxidation-Reduction Potential	102.3	mV	CAPA-11-22899
R-40 S2	849.27	04/26/11	WG	Oxidation-Reduction Potential	49.2	mV	CAPA-11-9344
R-40 S2	849.27	10/12/12	WG	pH	7.85	SU	CAPA-12-23804
R-40 S2	849.27	05/01/12	WG	pH	7.92	SU	CAPA-12-13234
R-40 S2	849.27	10/20/11	WG	pH	7.99	SU	CAPA-12-1150
R-40 S2	849.27	07/08/11	WG	pH	8.19	SU	CAPA-11-22899
R-40 S2	849.27	04/26/11	WG	pH	7.88	SU	CAPA-11-9344
R-40 S2	849.27	10/12/12	WG	Specific Conductance	127	µS/cm	CAPA-12-23804
R-40 S2	849.27	05/01/12	WG	Specific Conductance	131	µS/cm	CAPA-12-13234
R-40 S2	849.27	10/20/11	WG	Specific Conductance	125	µS/cm	CAPA-12-1150
R-40 S2	849.27	07/08/11	WG	Specific Conductance	119	µS/cm	CAPA-11-22899
R-40 S2	849.27	04/26/11	WG	Specific Conductance	116	µS/cm	CAPA-11-9344
R-40 S2	849.27	10/12/12	WG	Temperature	19.46	deg C	CAPA-12-23804
R-40 S2	849.27	05/01/12	WG	Temperature	20.6	deg C	CAPA-12-13234
R-40 S2	849.27	10/20/11	WG	Temperature	20.47	deg C	CAPA-12-1150
R-40 S2	849.27	07/08/11	WG	Temperature	21.35	deg C	CAPA-11-22899
R-40 S2	849.27	04/26/11	WG	Temperature	19.94	deg C	CAPA-11-9344
R-40 S2	849.27	10/12/12	WG	Turbidity	0.86	NTU	CAPA-12-23804
R-40 S2	849.27	05/01/12	WG	Turbidity	0.63	NTU	CAPA-12-13234
R-40 S2	849.27	10/20/11	WG	Turbidity	3.15	NTU	CAPA-12-1150
R-40 S2	849.27	07/08/11	WG	Turbidity	0.73	NTU	CAPA-11-22899
R-40 S2	849.27	04/26/11	WG	Turbidity	0.71	NTU	CAPA-11-9344
R-40 Si	649.67	10/22/12	WG	Dissolved Oxygen	6.44	mg/L	CAPA-12-23805
R-40 Si	649.67	05/07/12	WG	Dissolved Oxygen	7.14	mg/L	CAPA-12-13235
R-40 Si	649.67	11/01/11	WG	Dissolved Oxygen	0.18	mg/L	CAPA-12-1124
R-40 Si	649.67	11/01/11	WG	Dissolved Oxygen	0.44	mg/L	CAPA-12-1294
R-40 Si	649.67	11/01/11	WG	Dissolved Oxygen	1.1	mg/L	CAPA-12-1296

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-40 Si	649.67	11/01/11	WG	Dissolved Oxygen	0.32	mg/L	CAPA-12-1298
R-40 Si	649.67	11/01/11	WG	Dissolved Oxygen	0.25	mg/L	CAPA-12-1300
R-40 Si	649.67	11/01/11	WG	Dissolved Oxygen	0.46	mg/L	CAPA-12-1302
R-40 Si	649.67	11/01/11	WG	Dissolved Oxygen	0.18	mg/L	CAPA-12-1304
R-40 Si	649.67	07/12/11	WG	Dissolved Oxygen	0.26	mg/L	CAPA-11-23041
R-40 Si	649.67	07/12/11	WG	Dissolved Oxygen	0.22	mg/L	CAPA-11-23043
R-40 Si	649.67	07/12/11	WG	Dissolved Oxygen	0.21	mg/L	CAPA-11-23045
R-40 Si	649.67	07/12/11	WG	Dissolved Oxygen	0.18	mg/L	CAPA-11-23047
R-40 Si	649.67	04/29/11	WG	Dissolved Oxygen	6.25	mg/L	CAPA-11-9302
R-40 Si	649.67	10/22/12	WG	Oxidation-Reduction Potential	124.9	mV	CAPA-12-23805
R-40 Si	649.67	05/07/12	WG	Oxidation-Reduction Potential	-88.9	mV	CAPA-12-13235
R-40 Si	649.67	11/01/11	WG	Oxidation-Reduction Potential	-127	mV	CAPA-12-1124
R-40 Si	649.67	11/01/11	WG	Oxidation-Reduction Potential	-147.2	mV	CAPA-12-1294
R-40 Si	649.67	11/01/11	WG	Oxidation-Reduction Potential	-123	mV	CAPA-12-1296
R-40 Si	649.67	11/01/11	WG	Oxidation-Reduction Potential	-148	mV	CAPA-12-1298
R-40 Si	649.67	11/01/11	WG	Oxidation-Reduction Potential	-152.7	mV	CAPA-12-1300
R-40 Si	649.67	11/01/11	WG	Oxidation-Reduction Potential	-116.7	mV	CAPA-12-1302
R-40 Si	649.67	11/01/11	WG	Oxidation-Reduction Potential	-127	mV	CAPA-12-1304
R-40 Si	649.67	07/12/11	WG	Oxidation-Reduction Potential	-127.9	mV	CAPA-11-23041
R-40 Si	649.67	07/12/11	WG	Oxidation-Reduction Potential	-130.1	mV	CAPA-11-23043
R-40 Si	649.67	07/12/11	WG	Oxidation-Reduction Potential	-129.8	mV	CAPA-11-23045
R-40 Si	649.67	07/12/11	WG	Oxidation-Reduction Potential	-117	mV	CAPA-11-23047
R-40 Si	649.67	04/29/11	WG	Oxidation-Reduction Potential	-156.4	mV	CAPA-11-9302
R-40 Si	649.67	10/22/12	WG	pH	7.5	SU	CAPA-12-23805
R-40 Si	649.67	05/07/12	WG	pH	7.52	SU	CAPA-12-13235
R-40 Si	649.67	11/01/11	WG	pH	7.5	SU	CAPA-12-1124
R-40 Si	649.67	11/01/11	WG	pH	7.49	SU	CAPA-12-1294
R-40 Si	649.67	11/01/11	WG	pH	7.46	SU	CAPA-12-1296
R-40 Si	649.67	11/01/11	WG	pH	7.47	SU	CAPA-12-1298

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-40 Si	649.67	11/01/11	WG	pH	7.48	SU	CAPA-12-1300
R-40 Si	649.67	11/01/11	WG	pH	7.48	SU	CAPA-12-1302
R-40 Si	649.67	11/01/11	WG	pH	7.5	SU	CAPA-12-1304
R-40 Si	649.67	07/12/11	WG	pH	7.45	SU	CAPA-11-23041
R-40 Si	649.67	07/12/11	WG	pH	7.46	SU	CAPA-11-23043
R-40 Si	649.67	07/12/11	WG	pH	7.47	SU	CAPA-11-23045
R-40 Si	649.67	07/12/11	WG	pH	7.48	SU	CAPA-11-23047
R-40 Si	649.67	04/29/11	WG	pH	7.45	SU	CAPA-11-9302
R-40 Si	649.67	10/22/12	WG	Specific Conductance	247	µS/cm	CAPA-12-23805
R-40 Si	649.67	05/07/12	WG	Specific Conductance	247	µS/cm	CAPA-12-13235
R-40 Si	649.67	11/01/11	WG	Specific Conductance	234	µS/cm	CAPA-12-1124
R-40 Si	649.67	11/01/11	WG	Specific Conductance	255	µS/cm	CAPA-12-1294
R-40 Si	649.67	11/01/11	WG	Specific Conductance	250	µS/cm	CAPA-12-1296
R-40 Si	649.67	11/01/11	WG	Specific Conductance	247	µS/cm	CAPA-12-1298
R-40 Si	649.67	11/01/11	WG	Specific Conductance	241	µS/cm	CAPA-12-1300
R-40 Si	649.67	11/01/11	WG	Specific Conductance	235	µS/cm	CAPA-12-1302
R-40 Si	649.67	11/01/11	WG	Specific Conductance	234	µS/cm	CAPA-12-1304
R-40 Si	649.67	07/12/11	WG	Specific Conductance	255	µS/cm	CAPA-11-23041
R-40 Si	649.67	07/12/11	WG	Specific Conductance	251	µS/cm	CAPA-11-23043
R-40 Si	649.67	07/12/11	WG	Specific Conductance	249	µS/cm	CAPA-11-23045
R-40 Si	649.67	07/12/11	WG	Specific Conductance	242	µS/cm	CAPA-11-23047
R-40 Si	649.67	04/29/11	WG	Specific Conductance	255	µS/cm	CAPA-11-9302
R-40 Si	649.67	10/22/12	WG	Temperature	16.04	deg C	CAPA-12-23805
R-40 Si	649.67	05/07/12	WG	Temperature	16.29	deg C	CAPA-12-13235
R-40 Si	649.67	11/01/11	WG	Temperature	16.82	deg C	CAPA-12-1124
R-40 Si	649.67	11/01/11	WG	Temperature	16.69	deg C	CAPA-12-1294
R-40 Si	649.67	11/01/11	WG	Temperature	15.88	deg C	CAPA-12-1296
R-40 Si	649.67	11/01/11	WG	Temperature	16.81	deg C	CAPA-12-1298
R-40 Si	649.67	11/01/11	WG	Temperature	16.82	deg C	CAPA-12-1300

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-40 Si	649.67	11/01/11	WG	Temperature	16.5	deg C	CAPA-12-1302
R-40 Si	649.67	11/01/11	WG	Temperature	16.82	deg C	CAPA-12-1304
R-40 Si	649.67	07/12/11	WG	Temperature	16.98	deg C	CAPA-11-23041
R-40 Si	649.67	07/12/11	WG	Temperature	16.9	deg C	CAPA-11-23043
R-40 Si	649.67	07/12/11	WG	Temperature	16.94	deg C	CAPA-11-23045
R-40 Si	649.67	07/12/11	WG	Temperature	16.94	deg C	CAPA-11-23047
R-40 Si	649.67	04/29/11	WG	Temperature	16.75	deg C	CAPA-11-9302
R-40 Si	649.67	10/22/12	WG	Turbidity	1.11	NTU	CAPA-12-23805
R-40 Si	649.67	05/07/12	WG	Turbidity	0.48	NTU	CAPA-12-13235
R-40 Si	649.67	11/01/11	WG	Turbidity	0.46	NTU	CAPA-12-1124
R-40 Si	649.67	11/01/11	WG	Turbidity	0.44	NTU	CAPA-12-1294
R-40 Si	649.67	11/01/11	WG	Turbidity	0.52	NTU	CAPA-12-1296
R-40 Si	649.67	11/01/11	WG	Turbidity	0.38	NTU	CAPA-12-1298
R-40 Si	649.67	11/01/11	WG	Turbidity	0.94	NTU	CAPA-12-1300
R-40 Si	649.67	11/01/11	WG	Turbidity	0.58	NTU	CAPA-12-1302
R-40 Si	649.67	11/01/11	WG	Turbidity	0.46	NTU	CAPA-12-1304
R-40 Si	649.67	07/12/11	WG	Turbidity	0.29	NTU	CAPA-11-23041
R-40 Si	649.67	07/12/11	WG	Turbidity	0.64	NTU	CAPA-11-23043
R-40 Si	649.67	07/12/11	WG	Turbidity	0.23	NTU	CAPA-11-23045
R-40 Si	649.67	07/12/11	WG	Turbidity	0.96	NTU	CAPA-11-23047
R-40 Si	649.67	04/29/11	WG	Turbidity	0.26	NTU	CAPA-11-9302
R-41 S2	965.3	10/11/12	WG	Dissolved Oxygen	6.21	mg/L	CAPA-12-23806
R-41 S2	965.3	04/24/12	WG	Dissolved Oxygen	6.03	mg/L	CAPA-12-13236
R-41 S2	965.3	10/25/11	WG	Dissolved Oxygen	5.61	mg/L	CAPA-12-1182
R-41 S2	965.3	07/15/11	WG	Dissolved Oxygen	5.95	mg/L	CAPA-11-22904
R-41 S2	965.3	04/21/11	WG	Dissolved Oxygen	5.59	mg/L	CAPA-11-9358
R-41 S2	965.3	10/11/12	WG	Oxidation-Reduction Potential	-25.7	mV	CAPA-12-23806
R-41 S2	965.3	04/24/12	WG	Oxidation-Reduction Potential	57.9	mV	CAPA-12-13236
R-41 S2	965.3	10/25/11	WG	Oxidation-Reduction Potential	49.3	mV	CAPA-12-1182

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-41 S2	965.3	07/15/11	WG	Oxidation-Reduction Potential	104	mV	CAPA-11-22904
R-41 S2	965.3	04/21/11	WG	Oxidation-Reduction Potential	28	mV	CAPA-11-9358
R-41 S2	965.3	10/11/12	WG	pH	8.08	SU	CAPA-12-23806
R-41 S2	965.3	04/24/12	WG	pH	8.13	SU	CAPA-12-13236
R-41 S2	965.3	10/25/11	WG	pH	8.1	SU	CAPA-12-1182
R-41 S2	965.3	07/15/11	WG	pH	8.07	SU	CAPA-11-22904
R-41 S2	965.3	04/21/11	WG	pH	8.03	SU	CAPA-11-9358
R-41 S2	965.3	10/11/12	WG	Specific Conductance	147	µS/cm	CAPA-12-23806
R-41 S2	965.3	04/24/12	WG	Specific Conductance	164	µS/cm	CAPA-12-13236
R-41 S2	965.3	10/25/11	WG	Specific Conductance	165	µS/cm	CAPA-12-1182
R-41 S2	965.3	07/15/11	WG	Specific Conductance	164	µS/cm	CAPA-11-22904
R-41 S2	965.3	04/21/11	WG	Specific Conductance	165	µS/cm	CAPA-11-9358
R-41 S2	965.3	10/11/12	WG	Temperature	21.74	deg C	CAPA-12-23806
R-41 S2	965.3	04/24/12	WG	Temperature	22.14	deg C	CAPA-12-13236
R-41 S2	965.3	10/25/11	WG	Temperature	21.41	deg C	CAPA-12-1182
R-41 S2	965.3	07/15/11	WG	Temperature	23.41	deg C	CAPA-11-22904
R-41 S2	965.3	04/21/11	WG	Temperature	22.91	deg C	CAPA-11-9358
R-41 S2	965.3	10/11/12	WG	Turbidity	0.42	NTU	CAPA-12-23806
R-41 S2	965.3	04/24/12	WG	Turbidity	0.97	NTU	CAPA-12-13236
R-41 S2	965.3	10/25/11	WG	Turbidity	0.56	NTU	CAPA-12-1182
R-41 S2	965.3	07/15/11	WG	Turbidity	0.39	NTU	CAPA-11-22904
R-41 S2	965.3	04/21/11	WG	Turbidity	0.54	NTU	CAPA-11-9358
R-49 S1	845	10/15/12	WG	Dissolved Oxygen	4.35	mg/L	CAPA-12-23807
R-49 S1	845	04/26/12	WG	Dissolved Oxygen	4.47	mg/L	CAPA-12-13237
R-49 S1	845	10/26/11	WG	Dissolved Oxygen	4.62	mg/L	CAPA-12-1153
R-49 S1	845	07/08/11	WG	Dissolved Oxygen	4.63	mg/L	CAPA-11-22697
R-49 S1	845	05/02/11	WG	Dissolved Oxygen	4.5	mg/L	CAPA-11-9366
R-49 S1	845	10/15/12	WG	Oxidation-Reduction Potential	41.2	mV	CAPA-12-23807
R-49 S1	845	04/26/12	WG	Oxidation-Reduction Potential	-18.6	mV	CAPA-12-13237

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-49 S1	845	10/26/11	WG	Oxidation-Reduction Potential	23.7	mV	CAPA-12-1153
R-49 S1	845	07/08/11	WG	Oxidation-Reduction Potential	23.2	mV	CAPA-11-22697
R-49 S1	845	05/02/11	WG	Oxidation-Reduction Potential	18.9	mV	CAPA-11-9366
R-49 S1	845	10/15/12	WG	pH	7	SU	CAPA-12-23807
R-49 S1	845	04/26/12	WG	pH	8.07	SU	CAPA-12-13237
R-49 S1	845	10/26/11	WG	pH	8.05	SU	CAPA-12-1153
R-49 S1	845	07/08/11	WG	pH	8.04	SU	CAPA-11-22697
R-49 S1	845	05/02/11	WG	pH	8.05	SU	CAPA-11-9366
R-49 S1	845	10/15/12	WG	Specific Conductance	152	µS/cm	CAPA-12-23807
R-49 S1	845	04/26/12	WG	Specific Conductance	166	µS/cm	CAPA-12-13237
R-49 S1	845	10/26/11	WG	Specific Conductance	156	µS/cm	CAPA-12-1153
R-49 S1	845	07/08/11	WG	Specific Conductance	160	µS/cm	CAPA-11-22697
R-49 S1	845	05/02/11	WG	Specific Conductance	162	µS/cm	CAPA-11-9366
R-49 S1	845	10/15/12	WG	Temperature	22.65	deg C	CAPA-12-23807
R-49 S1	845	04/26/12	WG	Temperature	23.04	deg C	CAPA-12-13237
R-49 S1	845	10/26/11	WG	Temperature	20.93	deg C	CAPA-12-1153
R-49 S1	845	07/08/11	WG	Temperature	23.17	deg C	CAPA-11-22697
R-49 S1	845	05/02/11	WG	Temperature	21.76	deg C	CAPA-11-9366
R-49 S1	845	10/15/12	WG	Turbidity	1.94	NTU	CAPA-12-23807
R-49 S1	845	04/26/12	WG	Turbidity	5.28	NTU	CAPA-12-13237
R-49 S1	845	10/26/11	WG	Turbidity	2.98	NTU	CAPA-12-1153
R-49 S1	845	07/08/11	WG	Turbidity	1.69	NTU	CAPA-11-22697
R-49 S1	845	05/02/11	WG	Turbidity	1.13	NTU	CAPA-11-9366
R-49 S2	905.6	10/25/12	WG	Dissolved Oxygen	6.54	mg/L	CAPA-12-23808
R-49 S2	905.6	05/01/12	WG	Dissolved Oxygen	6.53	mg/L	CAPA-12-13238
R-49 S2	905.6	10/27/11	WG	Dissolved Oxygen	6.68	mg/L	CAPA-12-1156
R-49 S2	905.6	07/25/11	WG	Dissolved Oxygen	6.48	mg/L	CAPA-11-22909
R-49 S2	905.6	04/29/11	WG	Dissolved Oxygen	6.41	mg/L	CAPA-11-9378
R-49 S2	905.6	10/25/12	WG	Oxidation-Reduction Potential	186.2	mV	CAPA-12-23808

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-49 S2	905.6	05/01/12	WG	Oxidation-Reduction Potential	55.4	mV	CAPA-12-13238
R-49 S2	905.6	10/27/11	WG	Oxidation-Reduction Potential	151.1	mV	CAPA-12-1156
R-49 S2	905.6	07/25/11	WG	Oxidation-Reduction Potential	220.7	mV	CAPA-11-22909
R-49 S2	905.6	04/29/11	WG	Oxidation-Reduction Potential	29.9	mV	CAPA-11-9378
R-49 S2	905.6	10/25/12	WG	pH	8.03	SU	CAPA-12-23808
R-49 S2	905.6	05/01/12	WG	pH	8.08	SU	CAPA-12-13238
R-49 S2	905.6	10/27/11	WG	pH	8.04	SU	CAPA-12-1156
R-49 S2	905.6	07/25/11	WG	pH	7.97	SU	CAPA-11-22909
R-49 S2	905.6	04/29/11	WG	pH	7.97	SU	CAPA-11-9378
R-49 S2	905.6	10/25/12	WG	Specific Conductance	141	µS/cm	CAPA-12-23808
R-49 S2	905.6	05/01/12	WG	Specific Conductance	144	µS/cm	CAPA-12-13238
R-49 S2	905.6	10/27/11	WG	Specific Conductance	141	µS/cm	CAPA-12-1156
R-49 S2	905.6	07/25/11	WG	Specific Conductance	146	µS/cm	CAPA-11-22909
R-49 S2	905.6	04/29/11	WG	Specific Conductance	143	µS/cm	CAPA-11-9378
R-49 S2	905.6	10/25/12	WG	Temperature	21.59	deg C	CAPA-12-23808
R-49 S2	905.6	05/01/12	WG	Temperature	22.17	deg C	CAPA-12-13238
R-49 S2	905.6	10/27/11	WG	Temperature	21.65	deg C	CAPA-12-1156
R-49 S2	905.6	07/25/11	WG	Temperature	22.72	deg C	CAPA-11-22909
R-49 S2	905.6	04/29/11	WG	Temperature	23.21	deg C	CAPA-11-9378
R-49 S2	905.6	10/25/12	WG	Turbidity	0.55	NTU	CAPA-12-23808
R-49 S2	905.6	05/01/12	WG	Turbidity	0.36	NTU	CAPA-12-13238
R-49 S2	905.6	10/27/11	WG	Turbidity	0.78	NTU	CAPA-12-1156
R-49 S2	905.6	07/25/11	WG	Turbidity	0.16	NTU	CAPA-11-22909
R-49 S2	905.6	04/29/11	WG	Turbidity	0.11	NTU	CAPA-11-9378
R-51 S1	914.96	10/10/12	WG	Dissolved Oxygen	8.15	mg/L	CAPA-12-23809
R-51 S1	914.96	04/23/12	WG	Dissolved Oxygen	8.06	mg/L	CAPA-12-13239
R-51 S1	914.96	10/21/11	WG	Dissolved Oxygen	9.37	mg/L	CAPA-12-1159
R-51 S1	914.96	07/28/11	WG	Dissolved Oxygen	7.44	mg/L	CAPA-11-22912
R-51 S1	914.96	05/09/11	WG	Dissolved Oxygen	8	mg/L	CAPA-11-9405

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-51 S1	914.96	10/10/12	WG	Oxidation-Reduction Potential	39.4	mV	CAPA-12-23809
R-51 S1	914.96	04/23/12	WG	Oxidation-Reduction Potential	34.1	mV	CAPA-12-13239
R-51 S1	914.96	10/21/11	WG	Oxidation-Reduction Potential	83.5	mV	CAPA-12-1159
R-51 S1	914.96	07/28/11	WG	Oxidation-Reduction Potential	178.4	mV	CAPA-11-22912
R-51 S1	914.96	05/09/11	WG	Oxidation-Reduction Potential	106.7	mV	CAPA-11-9405
R-51 S1	914.96	10/10/12	WG	pH	8.07	SU	CAPA-12-23809
R-51 S1	914.96	04/23/12	WG	pH	8.16	SU	CAPA-12-13239
R-51 S1	914.96	10/21/11	WG	pH	8.2	SU	CAPA-12-1159
R-51 S1	914.96	07/28/11	WG	pH	8.16	SU	CAPA-11-22912
R-51 S1	914.96	05/09/11	WG	pH	8.24	SU	CAPA-11-9405
R-51 S1	914.96	10/10/12	WG	Specific Conductance	111	µS/cm	CAPA-12-23809
R-51 S1	914.96	04/23/12	WG	Specific Conductance	119	µS/cm	CAPA-12-13239
R-51 S1	914.96	10/21/11	WG	Specific Conductance	123	µS/cm	CAPA-12-1159
R-51 S1	914.96	07/28/11	WG	Specific Conductance	103	µS/cm	CAPA-11-22912
R-51 S1	914.96	05/09/11	WG	Specific Conductance	125	µS/cm	CAPA-11-9405
R-51 S1	914.96	10/10/12	WG	Temperature	20.47	deg C	CAPA-12-23809
R-51 S1	914.96	04/23/12	WG	Temperature	21.24	deg C	CAPA-12-13239
R-51 S1	914.96	10/21/11	WG	Temperature	20.69	deg C	CAPA-12-1159
R-51 S1	914.96	07/28/11	WG	Temperature	21.1	deg C	CAPA-11-22912
R-51 S1	914.96	05/09/11	WG	Temperature	20.91	deg C	CAPA-11-9405
R-51 S1	914.96	10/10/12	WG	Turbidity	0.68	NTU	CAPA-12-23809
R-51 S1	914.96	04/23/12	WG	Turbidity	1.29	NTU	CAPA-12-13239
R-51 S1	914.96	10/21/11	WG	Turbidity	0.59	NTU	CAPA-12-1159
R-51 S1	914.96	07/28/11	WG	Turbidity	2.4	NTU	CAPA-11-22912
R-51 S1	914.96	05/09/11	WG	Turbidity	1.67	NTU	CAPA-11-9405
R-51 S2	1030.96	10/10/12	WG	Dissolved Oxygen	6.44	mg/L	CAPA-12-23810
R-51 S2	1030.96	04/23/12	WG	Dissolved Oxygen	6	mg/L	CAPA-12-13240
R-51 S2	1030.96	10/21/11	WG	Dissolved Oxygen	5.81	mg/L	CAPA-12-1164
R-51 S2	1030.96	07/28/11	WG	Dissolved Oxygen	6.52	mg/L	CAPA-11-14786

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-51 S2	1030.96	07/28/11	WG	Dissolved Oxygen	6.28	mg/L	CAPA-11-14788
R-51 S2	1030.96	07/28/11	WG	Dissolved Oxygen	6.49	mg/L	CAPA-11-14700
R-51 S2	1030.96	07/28/11	WG	Dissolved Oxygen	6.01	mg/L	CAPA-11-22928
R-51 S2	1030.96	05/09/11	WG	Dissolved Oxygen	6.13	mg/L	CAPA-11-9446
R-51 S2	1030.96	10/10/12	WG	Oxidation-Reduction Potential	12.5	mV	CAPA-12-23810
R-51 S2	1030.96	04/23/12	WG	Oxidation-Reduction Potential	17.3	mV	CAPA-12-13240
R-51 S2	1030.96	10/21/11	WG	Oxidation-Reduction Potential	39.5	mV	CAPA-12-1164
R-51 S2	1030.96	07/28/11	WG	Oxidation-Reduction Potential	91.8	mV	CAPA-11-14786
R-51 S2	1030.96	07/28/11	WG	Oxidation-Reduction Potential	113.8	mV	CAPA-11-14788
R-51 S2	1030.96	07/28/11	WG	Oxidation-Reduction Potential	130.9	mV	CAPA-11-14700
R-51 S2	1030.96	07/28/11	WG	Oxidation-Reduction Potential	140.8	mV	CAPA-11-22928
R-51 S2	1030.96	05/09/11	WG	Oxidation-Reduction Potential	99.8	mV	CAPA-11-9446
R-51 S2	1030.96	10/10/12	WG	pH	8.12	SU	CAPA-12-23810
R-51 S2	1030.96	04/23/12	WG	pH	8.25	SU	CAPA-12-13240
R-51 S2	1030.96	10/21/11	WG	pH	8.27	SU	CAPA-12-1164
R-51 S2	1030.96	07/28/11	WG	pH	8.19	SU	CAPA-11-14786
R-51 S2	1030.96	07/28/11	WG	pH	8.19	SU	CAPA-11-14788
R-51 S2	1030.96	07/28/11	WG	pH	8.17	SU	CAPA-11-14700
R-51 S2	1030.96	07/28/11	WG	pH	8.07	SU	CAPA-11-22928
R-51 S2	1030.96	05/09/11	WG	pH	8.23	SU	CAPA-11-9446
R-51 S2	1030.96	10/10/12	WG	Specific Conductance	118	µS/cm	CAPA-12-23810
R-51 S2	1030.96	04/23/12	WG	Specific Conductance	127	µS/cm	CAPA-12-13240
R-51 S2	1030.96	10/21/11	WG	Specific Conductance	122	µS/cm	CAPA-12-1164
R-51 S2	1030.96	07/28/11	WG	Specific Conductance	118	µS/cm	CAPA-11-14786
R-51 S2	1030.96	07/28/11	WG	Specific Conductance	111	µS/cm	CAPA-11-14788
R-51 S2	1030.96	07/28/11	WG	Specific Conductance	101	µS/cm	CAPA-11-14700
R-51 S2	1030.96	07/28/11	WG	Specific Conductance	114	µS/cm	CAPA-11-22928
R-51 S2	1030.96	05/09/11	WG	Specific Conductance	128	µS/cm	CAPA-11-9446
R-51 S2	1030.96	10/10/12	WG	Temperature	21.81	deg C	CAPA-12-23810

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-51 S2	1030.96	04/23/12	WG	Temperature	21.61	deg C	CAPA-12-13240
R-51 S2	1030.96	10/21/11	WG	Temperature	21.63	deg C	CAPA-12-1164
R-51 S2	1030.96	07/28/11	WG	Temperature	21.6	deg C	CAPA-11-14786
R-51 S2	1030.96	07/28/11	WG	Temperature	21.79	deg C	CAPA-11-14788
R-51 S2	1030.96	07/28/11	WG	Temperature	21.93	deg C	CAPA-11-14700
R-51 S2	1030.96	07/28/11	WG	Temperature	21.93	deg C	CAPA-11-22928
R-51 S2	1030.96	05/09/11	WG	Temperature	21.94	deg C	CAPA-11-9446
R-51 S2	1030.96	10/10/12	WG	Turbidity	0.56	NTU	CAPA-12-23810
R-51 S2	1030.96	04/23/12	WG	Turbidity	0.63	NTU	CAPA-12-13240
R-51 S2	1030.96	10/21/11	WG	Turbidity	1.36	NTU	CAPA-12-1164
R-51 S2	1030.96	07/28/11	WG	Turbidity	2.59	NTU	CAPA-11-14786
R-51 S2	1030.96	07/28/11	WG	Turbidity	1.05	NTU	CAPA-11-14788
R-51 S2	1030.96	07/28/11	WG	Turbidity	0.82	NTU	CAPA-11-14700
R-51 S2	1030.96	07/28/11	WG	Turbidity	0.74	NTU	CAPA-11-22928
R-51 S2	1030.96	05/09/11	WG	Turbidity	1	NTU	CAPA-11-9446
R-52 S1	1035.2	10/16/12	WG	Dissolved Oxygen	8.46	mg/L	CAPA-12-23811
R-52 S1	1035.2	04/27/12	WG	Dissolved Oxygen	7.87	mg/L	CAPA-12-13241
R-52 S1	1035.2	11/01/11	WG	Dissolved Oxygen	7.51	mg/L	CAPA-12-1187
R-52 S1	1035.2	07/18/11	WG	Dissolved Oxygen	8.68	mg/L	CAPA-11-22933
R-52 S1	1035.2	05/04/11	WG	Dissolved Oxygen	6.55	mg/L	CAPA-11-9464
R-52 S1	1035.2	10/16/12	WG	Oxidation-Reduction Potential	42.8	mV	CAPA-12-23811
R-52 S1	1035.2	04/27/12	WG	Oxidation-Reduction Potential	41.2	mV	CAPA-12-13241
R-52 S1	1035.2	11/01/11	WG	Oxidation-Reduction Potential	132.6	mV	CAPA-12-1187
R-52 S1	1035.2	07/18/11	WG	Oxidation-Reduction Potential	141.4	mV	CAPA-11-22933
R-52 S1	1035.2	05/04/11	WG	Oxidation-Reduction Potential	154.4	mV	CAPA-11-9464
R-52 S1	1035.2	10/16/12	WG	pH	8.03	SU	CAPA-12-23811
R-52 S1	1035.2	04/27/12	WG	pH	8.15	SU	CAPA-12-13241
R-52 S1	1035.2	11/01/11	WG	pH	8.35	SU	CAPA-12-1187
R-52 S1	1035.2	07/18/11	WG	pH	8.13	SU	CAPA-11-22933

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-52 S1	1035.2	05/04/11	WG	pH	8.48	SU	CAPA-11-9464
R-52 S1	1035.2	10/16/12	WG	Specific Conductance	132	µS/cm	CAPA-12-23811
R-52 S1	1035.2	04/27/12	WG	Specific Conductance	143	µS/cm	CAPA-12-13241
R-52 S1	1035.2	11/01/11	WG	Specific Conductance	139	µS/cm	CAPA-12-1187
R-52 S1	1035.2	07/18/11	WG	Specific Conductance	140	µS/cm	CAPA-11-22933
R-52 S1	1035.2	05/04/11	WG	Specific Conductance	128	µS/cm	CAPA-11-9464
R-52 S1	1035.2	10/16/12	WG	Temperature	22.05	deg C	CAPA-12-23811
R-52 S1	1035.2	04/27/12	WG	Temperature	21.74	deg C	CAPA-12-13241
R-52 S1	1035.2	11/01/11	WG	Temperature	21.66	deg C	CAPA-12-1187
R-52 S1	1035.2	07/18/11	WG	Temperature	22.06	deg C	CAPA-11-22933
R-52 S1	1035.2	05/04/11	WG	Temperature	22.13	deg C	CAPA-11-9464
R-52 S1	1035.2	10/16/12	WG	Turbidity	0.8	NTU	CAPA-12-23811
R-52 S1	1035.2	04/27/12	WG	Turbidity	0.5	NTU	CAPA-12-13241
R-52 S1	1035.2	11/01/11	WG	Turbidity	0.46	NTU	CAPA-12-1187
R-52 S1	1035.2	07/18/11	WG	Turbidity	0.68	NTU	CAPA-11-22933
R-52 S1	1035.2	05/04/11	WG	Turbidity	0.86	NTU	CAPA-11-9464
R-52 S2	1107	10/16/12	WG	Dissolved Oxygen	7.22	mg/L	CAPA-12-23812
R-52 S2	1107	04/27/12	WG	Dissolved Oxygen	7.12	mg/L	CAPA-12-13242
R-52 S2	1107	11/01/11	WG	Dissolved Oxygen	7.04	mg/L	CAPA-12-1189
R-52 S2	1107	11/01/11	WG	Dissolved Oxygen	7.44	mg/L	CAPA-12-1313
R-52 S2	1107	11/01/11	WG	Dissolved Oxygen	7.31	mg/L	CAPA-12-1315
R-52 S2	1107	07/18/11	WG	Dissolved Oxygen	7.86	mg/L	CAPA-11-14716
R-52 S2	1107	07/18/11	WG	Dissolved Oxygen	7.66	mg/L	CAPA-11-22936
R-52 S2	1107	07/18/11	WG	Dissolved Oxygen	7.66	mg/L	CAPA-11-14784
R-52 S2	1107	07/18/11	WG	Dissolved Oxygen	6.65	mg/L	CAPA-11-14712
R-52 S2	1107	07/18/11	WG	Dissolved Oxygen	7.8	mg/L	CAPA-11-14714
R-52 S2	1107	05/04/11	WG	Dissolved Oxygen	6.57	mg/L	CAPA-11-9475
R-52 S2	1107	10/16/12	WG	Oxidation-Reduction Potential	12	mV	CAPA-12-23812
R-52 S2	1107	04/27/12	WG	Oxidation-Reduction Potential	47.1	mV	CAPA-12-13242

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-52 S2	1107	11/01/11	WG	Oxidation-Reduction Potential	78.2	mV	CAPA-12-1189
R-52 S2	1107	11/01/11	WG	Oxidation-Reduction Potential	-15.1	mV	CAPA-12-1313
R-52 S2	1107	11/01/11	WG	Oxidation-Reduction Potential	30.6	mV	CAPA-12-1315
R-52 S2	1107	07/18/11	WG	Oxidation-Reduction Potential	86.5	mV	CAPA-11-14716
R-52 S2	1107	07/18/11	WG	Oxidation-Reduction Potential	97.7	mV	CAPA-11-22936
R-52 S2	1107	07/18/11	WG	Oxidation-Reduction Potential	97.7	mV	CAPA-11-14784
R-52 S2	1107	07/18/11	WG	Oxidation-Reduction Potential	1.3	mV	CAPA-11-14712
R-52 S2	1107	07/18/11	WG	Oxidation-Reduction Potential	61.6	mV	CAPA-11-14714
R-52 S2	1107	05/04/11	WG	Oxidation-Reduction Potential	168.9	mV	CAPA-11-9475
R-52 S2	1107	10/16/12	WG	pH	7.82	SU	CAPA-12-23812
R-52 S2	1107	04/27/12	WG	pH	7.87	SU	CAPA-12-13242
R-52 S2	1107	11/01/11	WG	pH	7.7	SU	CAPA-12-1189
R-52 S2	1107	11/01/11	WG	pH	7.85	SU	CAPA-12-1313
R-52 S2	1107	11/01/11	WG	pH	7.7	SU	CAPA-12-1315
R-52 S2	1107	07/18/11	WG	pH	7.87	SU	CAPA-11-14716
R-52 S2	1107	07/18/11	WG	pH	7.88	SU	CAPA-11-22936
R-52 S2	1107	07/18/11	WG	pH	7.88	SU	CAPA-11-14784
R-52 S2	1107	07/18/11	WG	pH	7.83	SU	CAPA-11-14712
R-52 S2	1107	07/18/11	WG	pH	7.86	SU	CAPA-11-14714
R-52 S2	1107	05/04/11	WG	pH	7.86	SU	CAPA-11-9475
R-52 S2	1107	10/16/12	WG	Specific Conductance	117	µS/cm	CAPA-12-23812
R-52 S2	1107	04/27/12	WG	Specific Conductance	12.6	µS/cm	CAPA-12-13242
R-52 S2	1107	11/01/11	WG	Specific Conductance	114	µS/cm	CAPA-12-1189
R-52 S2	1107	11/01/11	WG	Specific Conductance	125	µS/cm	CAPA-12-1313
R-52 S2	1107	11/01/11	WG	Specific Conductance	120	µS/cm	CAPA-12-1315
R-52 S2	1107	07/18/11	WG	Specific Conductance	119	µS/cm	CAPA-11-14716
R-52 S2	1107	07/18/11	WG	Specific Conductance	113	µS/cm	CAPA-11-22936
R-52 S2	1107	07/18/11	WG	Specific Conductance	113	µS/cm	CAPA-11-14784
R-52 S2	1107	07/18/11	WG	Specific Conductance	118	µS/cm	CAPA-11-14712

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-52 S2	1107	07/18/11	WG	Specific Conductance	113	µS/cm	CAPA-11-14714
R-52 S2	1107	05/04/11	WG	Specific Conductance	123	µS/cm	CAPA-11-9475
R-52 S2	1107	10/16/12	WG	Temperature	21.27	deg C	CAPA-12-23812
R-52 S2	1107	04/27/12	WG	Temperature	21.4	deg C	CAPA-12-13242
R-52 S2	1107	11/01/11	WG	Temperature	21.31	deg C	CAPA-12-1189
R-52 S2	1107	11/01/11	WG	Temperature	20.36	deg C	CAPA-12-1313
R-52 S2	1107	11/01/11	WG	Temperature	21.04	deg C	CAPA-12-1315
R-52 S2	1107	07/18/11	WG	Temperature	21.88	deg C	CAPA-11-14716
R-52 S2	1107	07/18/11	WG	Temperature	21.98	deg C	CAPA-11-22936
R-52 S2	1107	07/18/11	WG	Temperature	21.98	deg C	CAPA-11-14784
R-52 S2	1107	07/18/11	WG	Temperature	20.89	deg C	CAPA-11-14712
R-52 S2	1107	07/18/11	WG	Temperature	21.63	deg C	CAPA-11-14714
R-52 S2	1107	05/04/11	WG	Temperature	21.87	deg C	CAPA-11-9475
R-52 S2	1107	10/16/12	WG	Turbidity	0.24	NTU	CAPA-12-23812
R-52 S2	1107	04/27/12	WG	Turbidity	0.28	NTU	CAPA-12-13242
R-52 S2	1107	11/01/11	WG	Turbidity	0.96	NTU	CAPA-12-1189
R-52 S2	1107	11/01/11	WG	Turbidity	1.74	NTU	CAPA-12-1313
R-52 S2	1107	11/01/11	WG	Turbidity	1.06	NTU	CAPA-12-1315
R-52 S2	1107	07/18/11	WG	Turbidity	0.4	NTU	CAPA-11-14716
R-52 S2	1107	07/18/11	WG	Turbidity	0.23	NTU	CAPA-11-22936
R-52 S2	1107	07/18/11	WG	Turbidity	0.23	NTU	CAPA-11-14784
R-52 S2	1107	07/18/11	WG	Turbidity	0.38	NTU	CAPA-11-14712
R-52 S2	1107	07/18/11	WG	Turbidity	0.38	NTU	CAPA-11-14714
R-52 S2	1107	05/04/11	WG	Turbidity	0.27	NTU	CAPA-11-9475
R-53 S1	849.2	10/11/12	WG	Dissolved Oxygen	6.09	mg/L	CAPA-12-23813
R-53 S1	849.2	04/24/12	WG	Dissolved Oxygen	6.12	mg/L	CAPA-12-13243
R-53 S1	849.2	10/25/11	WG	Dissolved Oxygen	6.15	mg/L	CAPA-12-1192
R-53 S1	849.2	07/14/11	WG	Dissolved Oxygen	5.84	mg/L	CAPA-11-22939
R-53 S1	849.2	05/06/11	WG	Dissolved Oxygen	5.68	mg/L	CAPA-11-9484

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-53 S1	849.2	10/11/12	WG	Oxidation-Reduction Potential	67.3	mV	CAPA-12-23813
R-53 S1	849.2	04/24/12	WG	Oxidation-Reduction Potential	18.8	mV	CAPA-12-13243
R-53 S1	849.2	10/25/11	WG	Oxidation-Reduction Potential	107.9	mV	CAPA-12-1192
R-53 S1	849.2	07/14/11	WG	Oxidation-Reduction Potential	118.1	mV	CAPA-11-22939
R-53 S1	849.2	05/06/11	WG	Oxidation-Reduction Potential	144.5	mV	CAPA-11-9484
R-53 S1	849.2	10/11/12	WG	pH	8.09	SU	CAPA-12-23813
R-53 S1	849.2	04/24/12	WG	pH	7.97	SU	CAPA-12-13243
R-53 S1	849.2	10/25/11	WG	pH	7.98	SU	CAPA-12-1192
R-53 S1	849.2	07/14/11	WG	pH	8.02	SU	CAPA-11-22939
R-53 S1	849.2	05/06/11	WG	pH	7.93	SU	CAPA-11-9484
R-53 S1	849.2	10/11/12	WG	Specific Conductance	129	µS/cm	CAPA-12-23813
R-53 S1	849.2	04/24/12	WG	Specific Conductance	129	µS/cm	CAPA-12-13243
R-53 S1	849.2	10/25/11	WG	Specific Conductance	123	µS/cm	CAPA-12-1192
R-53 S1	849.2	07/14/11	WG	Specific Conductance	127	µS/cm	CAPA-11-22939
R-53 S1	849.2	05/06/11	WG	Specific Conductance	129	µS/cm	CAPA-11-9484
R-53 S1	849.2	10/11/12	WG	Temperature	21.44	deg C	CAPA-12-23813
R-53 S1	849.2	04/24/12	WG	Temperature	21.91	deg C	CAPA-12-13243
R-53 S1	849.2	10/25/11	WG	Temperature	21.37	deg C	CAPA-12-1192
R-53 S1	849.2	07/14/11	WG	Temperature	22.39	deg C	CAPA-11-22939
R-53 S1	849.2	05/06/11	WG	Temperature	22.11	deg C	CAPA-11-9484
R-53 S1	849.2	10/11/12	WG	Turbidity	0.37	NTU	CAPA-12-23813
R-53 S1	849.2	04/24/12	WG	Turbidity	0.46	NTU	CAPA-12-13243
R-53 S1	849.2	10/25/11	WG	Turbidity	0.54	NTU	CAPA-12-1192
R-53 S1	849.2	07/14/11	WG	Turbidity	0.4	NTU	CAPA-11-22939
R-53 S1	849.2	05/06/11	WG	Turbidity	0.66	NTU	CAPA-11-9484
R-53 S2	959.7	10/11/12	WG	Dissolved Oxygen	6.01	mg/L	CAPA-12-23814
R-53 S2	959.7	04/24/12	WG	Dissolved Oxygen	6.39	mg/L	CAPA-12-13244
R-53 S2	959.7	10/25/11	WG	Dissolved Oxygen	6.3	mg/L	CAPA-12-1196
R-53 S2	959.7	07/14/11	WG	Dissolved Oxygen	6.4	mg/L	CAPA-11-22941

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-53 S2	959.7	05/06/11	WG	Dissolved Oxygen	6.07	mg/L	CAPA-11-9491
R-53 S2	959.7	10/11/12	WG	Oxidation-Reduction Potential	104.5	mV	CAPA-12-23814
R-53 S2	959.7	04/24/12	WG	Oxidation-Reduction Potential	12.4	mV	CAPA-12-13244
R-53 S2	959.7	10/25/11	WG	Oxidation-Reduction Potential	95	mV	CAPA-12-1196
R-53 S2	959.7	07/14/11	WG	Oxidation-Reduction Potential	121.6	mV	CAPA-11-22941
R-53 S2	959.7	05/06/11	WG	Oxidation-Reduction Potential	110.6	mV	CAPA-11-9491
R-53 S2	959.7	10/11/12	WG	pH	8.2	SU	CAPA-12-23814
R-53 S2	959.7	04/24/12	WG	pH	8.2	SU	CAPA-12-13244
R-53 S2	959.7	10/25/11	WG	pH	8.13	SU	CAPA-12-1196
R-53 S2	959.7	07/14/11	WG	pH	8.1	SU	CAPA-11-22941
R-53 S2	959.7	05/06/11	WG	pH	8.07	SU	CAPA-11-9491
R-53 S2	959.7	10/11/12	WG	Specific Conductance	126	µS/cm	CAPA-12-23814
R-53 S2	959.7	04/24/12	WG	Specific Conductance	125	µS/cm	CAPA-12-13244
R-53 S2	959.7	10/25/11	WG	Specific Conductance	120	µS/cm	CAPA-12-1196
R-53 S2	959.7	07/14/11	WG	Specific Conductance	126	µS/cm	CAPA-11-22941
R-53 S2	959.7	05/06/11	WG	Specific Conductance	126	µS/cm	CAPA-11-9491
R-53 S2	959.7	10/11/12	WG	Temperature	21.31	deg C	CAPA-12-23814
R-53 S2	959.7	04/24/12	WG	Temperature	22.54	deg C	CAPA-12-13244
R-53 S2	959.7	10/25/11	WG	Temperature	21.56	deg C	CAPA-12-1196
R-53 S2	959.7	07/14/11	WG	Temperature	22.04	deg C	CAPA-11-22941
R-53 S2	959.7	05/06/11	WG	Temperature	22.27	deg C	CAPA-11-9491
R-53 S2	959.7	10/11/12	WG	Turbidity	0.39	NTU	CAPA-12-23814
R-53 S2	959.7	04/24/12	WG	Turbidity	0.31	NTU	CAPA-12-13244
R-53 S2	959.7	10/25/11	WG	Turbidity	0.36	NTU	CAPA-12-1196
R-53 S2	959.7	07/14/11	WG	Turbidity	0.08	NTU	CAPA-11-22941
R-53 S2	959.7	05/06/11	WG	Turbidity	0.32	NTU	CAPA-11-9491
R-54 S1	830	10/24/12	WG	Dissolved Oxygen	1.05	mg/L	CAPA-12-23815
R-54 S1	830	05/04/12	WG	Dissolved Oxygen	1.21	mg/L	CAPA-12-13245
R-54 S1	830	11/02/11	WG	Dissolved Oxygen	2.13	mg/L	CAPA-12-1325

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-54 S1	830	11/02/11	WG	Dissolved Oxygen	2.76	mg/L	CAPA-12-1327
R-54 S1	830	11/02/11	WG	Dissolved Oxygen	0.88	mg/L	CAPA-12-1321
R-54 S1	830	11/02/11	WG	Dissolved Oxygen	1.21	mg/L	CAPA-12-1323
R-54 S1	830	11/02/11	WG	Dissolved Oxygen	3.03	mg/L	CAPA-12-1168
R-54 S1	830	11/02/11	WG	Dissolved Oxygen	1.36	mg/L	CAPA-12-1319
R-54 S1	830	11/02/11	WG	Dissolved Oxygen	3.36	mg/L	CAPA-12-1333
R-54 S1	830	11/02/11	WG	Dissolved Oxygen	4	mg/L	CAPA-12-1335
R-54 S1	830	11/02/11	WG	Dissolved Oxygen	3.03	mg/L	CAPA-12-1329
R-54 S1	830	11/02/11	WG	Dissolved Oxygen	3.51	mg/L	CAPA-12-1331
R-54 S1	830	07/12/11	WG	Dissolved Oxygen	0.77	mg/L	CAPA-11-14720
R-54 S1	830	07/12/11	WG	Dissolved Oxygen	1.13	mg/L	CAPA-11-14723
R-54 S1	830	07/12/11	WG	Dissolved Oxygen	0.67	mg/L	CAPA-11-14718
R-54 S1	830	07/12/11	WG	Dissolved Oxygen	1.5	mg/L	CAPA-11-22972
R-54 S1	830	05/04/11	WG	Dissolved Oxygen	2.67	mg/L	CAPA-11-9499
R-54 S1	830	05/04/11	WG	Dissolved Oxygen	2.37	mg/L	CAPA-11-10600
R-54 S1	830	05/04/11	WG	Dissolved Oxygen	1.77	mg/L	CAPA-11-10603
R-54 S1	830	05/04/11	WG	Dissolved Oxygen	0.71	mg/L	CAPA-11-10604
R-54 S1	830	10/24/12	WG	Oxidation-Reduction Potential	53.5	mV	CAPA-12-23815
R-54 S1	830	05/04/12	WG	Oxidation-Reduction Potential	-45.4	mV	CAPA-12-13245
R-54 S1	830	11/02/11	WG	Oxidation-Reduction Potential	-51.5	mV	CAPA-12-1325
R-54 S1	830	11/02/11	WG	Oxidation-Reduction Potential	-54.5	mV	CAPA-12-1327
R-54 S1	830	11/02/11	WG	Oxidation-Reduction Potential	-26.1	mV	CAPA-12-1321
R-54 S1	830	11/02/11	WG	Oxidation-Reduction Potential	-31.2	mV	CAPA-12-1323
R-54 S1	830	11/02/11	WG	Oxidation-Reduction Potential	-50.5	mV	CAPA-12-1168
R-54 S1	830	11/02/11	WG	Oxidation-Reduction Potential	-6.5	mV	CAPA-12-1319
R-54 S1	830	11/02/11	WG	Oxidation-Reduction Potential	-45	mV	CAPA-12-1333
R-54 S1	830	11/02/11	WG	Oxidation-Reduction Potential	-36.2	mV	CAPA-12-1335
R-54 S1	830	11/02/11	WG	Oxidation-Reduction Potential	-50.5	mV	CAPA-12-1329
R-54 S1	830	11/02/11	WG	Oxidation-Reduction Potential	-52.3	mV	CAPA-12-1331

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-54 S1	830	07/12/11	WG	Oxidation-Reduction Potential	-49.2	mV	CAPA-11-14720
R-54 S1	830	07/12/11	WG	Oxidation-Reduction Potential	-53.7	mV	CAPA-11-14723
R-54 S1	830	07/12/11	WG	Oxidation-Reduction Potential	-31.7	mV	CAPA-11-14718
R-54 S1	830	07/12/11	WG	Oxidation-Reduction Potential	-59.3	mV	CAPA-11-22972
R-54 S1	830	05/04/11	WG	Oxidation-Reduction Potential	-63.2	mV	CAPA-11-9499
R-54 S1	830	05/04/11	WG	Oxidation-Reduction Potential	-71.9	mV	CAPA-11-10600
R-54 S1	830	05/04/11	WG	Oxidation-Reduction Potential	-76.1	mV	CAPA-11-10603
R-54 S1	830	05/04/11	WG	Oxidation-Reduction Potential	-58.4	mV	CAPA-11-10604
R-54 S1	830	10/24/12	WG	pH	6.79	SU	CAPA-12-23815
R-54 S1	830	05/04/12	WG	pH	6.77	SU	CAPA-12-13245
R-54 S1	830	11/02/11	WG	pH	7.02	SU	CAPA-12-1325
R-54 S1	830	11/02/11	WG	pH	7.1	SU	CAPA-12-1327
R-54 S1	830	11/02/11	WG	pH	6.75	SU	CAPA-12-1321
R-54 S1	830	11/02/11	WG	pH	6.79	SU	CAPA-12-1323
R-54 S1	830	11/02/11	WG	pH	7.16	SU	CAPA-12-1168
R-54 S1	830	11/02/11	WG	pH	6.79	SU	CAPA-12-1319
R-54 S1	830	11/02/11	WG	pH	7.22	SU	CAPA-12-1333
R-54 S1	830	11/02/11	WG	pH	7.19	SU	CAPA-12-1335
R-54 S1	830	11/02/11	WG	pH	7.16	SU	CAPA-12-1329
R-54 S1	830	11/02/11	WG	pH	7.19	SU	CAPA-12-1331
R-54 S1	830	07/12/11	WG	pH	6.89	SU	CAPA-11-14720
R-54 S1	830	07/12/11	WG	pH	6.92	SU	CAPA-11-14723
R-54 S1	830	07/12/11	WG	pH	6.98	SU	CAPA-11-14718
R-54 S1	830	07/12/11	WG	pH	7.01	SU	CAPA-11-22972
R-54 S1	830	05/04/11	WG	pH	7.28	SU	CAPA-11-9499
R-54 S1	830	05/04/11	WG	pH	7.24	SU	CAPA-11-10600
R-54 S1	830	05/04/11	WG	pH	7.14	SU	CAPA-11-10603
R-54 S1	830	05/04/11	WG	pH	6.98	SU	CAPA-11-10604
R-54 S1	830	10/24/12	WG	Specific Conductance	184	µS/cm	CAPA-12-23815

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-54 S1	830	05/04/12	WG	Specific Conductance	177	µS/cm	CAPA-12-13245
R-54 S1	830	11/02/11	WG	Specific Conductance	151	µS/cm	CAPA-12-1325
R-54 S1	830	11/02/11	WG	Specific Conductance	135	µS/cm	CAPA-12-1327
R-54 S1	830	11/02/11	WG	Specific Conductance	195	µS/cm	CAPA-12-1321
R-54 S1	830	11/02/11	WG	Specific Conductance	187	µS/cm	CAPA-12-1323
R-54 S1	830	11/02/11	WG	Specific Conductance	130	µS/cm	CAPA-12-1168
R-54 S1	830	11/02/11	WG	Specific Conductance	163	µS/cm	CAPA-12-1319
R-54 S1	830	11/02/11	WG	Specific Conductance	114	µS/cm	CAPA-12-1333
R-54 S1	830	11/02/11	WG	Specific Conductance	115	µS/cm	CAPA-12-1335
R-54 S1	830	11/02/11	WG	Specific Conductance	130	µS/cm	CAPA-12-1329
R-54 S1	830	11/02/11	WG	Specific Conductance	122	µS/cm	CAPA-12-1331
R-54 S1	830	07/12/11	WG	Specific Conductance	197	µS/cm	CAPA-11-14720
R-54 S1	830	07/12/11	WG	Specific Conductance	184	µS/cm	CAPA-11-14723
R-54 S1	830	07/12/11	WG	Specific Conductance	176	µS/cm	CAPA-11-22972
R-54 S1	830	07/12/11	WG	Specific Conductance	170	µS/cm	CAPA-11-14718
R-54 S1	830	05/04/11	WG	Specific Conductance	133	µS/cm	CAPA-11-9499
R-54 S1	830	05/04/11	WG	Specific Conductance	143	µS/cm	CAPA-11-10600
R-54 S1	830	05/04/11	WG	Specific Conductance	159	µS/cm	CAPA-11-10603
R-54 S1	830	05/04/11	WG	Specific Conductance	190	µS/cm	CAPA-11-10604
R-54 S1	830	10/24/12	WG	Temperature	21.16	deg C	CAPA-12-23815
R-54 S1	830	05/04/12	WG	Temperature	21.25	deg C	CAPA-12-13245
R-54 S1	830	11/02/11	WG	Temperature	19.89	deg C	CAPA-12-1325
R-54 S1	830	11/02/11	WG	Temperature	19.52	deg C	CAPA-12-1327
R-54 S1	830	11/02/11	WG	Temperature	19.13	deg C	CAPA-12-1321
R-54 S1	830	11/02/11	WG	Temperature	19.48	deg C	CAPA-12-1323
R-54 S1	830	11/02/11	WG	Temperature	19.31	deg C	CAPA-12-1168
R-54 S1	830	11/02/11	WG	Temperature	17.98	deg C	CAPA-12-1319
R-54 S1	830	11/02/11	WG	Temperature	20.83	deg C	CAPA-12-1333
R-54 S1	830	11/02/11	WG	Temperature	21.02	deg C	CAPA-12-1335

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-54 S1	830	11/02/11	WG	Temperature	19.31	deg C	CAPA-12-1329
R-54 S1	830	11/02/11	WG	Temperature	20.7	deg C	CAPA-12-1331
R-54 S1	830	07/12/11	WG	Temperature	22.22	deg C	CAPA-11-14720
R-54 S1	830	07/12/11	WG	Temperature	22.4	deg C	CAPA-11-14723
R-54 S1	830	07/12/11	WG	Temperature	21.05	deg C	CAPA-11-14718
R-54 S1	830	07/12/11	WG	Temperature	22.26	deg C	CAPA-11-22972
R-54 S1	830	05/04/11	WG	Temperature	22.44	deg C	CAPA-11-9499
R-54 S1	830	05/04/11	WG	Temperature	22.75	deg C	CAPA-11-10600
R-54 S1	830	05/04/11	WG	Temperature	22.51	deg C	CAPA-11-10603
R-54 S1	830	05/04/11	WG	Temperature	21.16	deg C	CAPA-11-10604
R-54 S1	830	10/24/12	WG	Turbidity	0.61	NTU	CAPA-12-23815
R-54 S1	830	05/04/12	WG	Turbidity	0.6	NTU	CAPA-12-13245
R-54 S1	830	11/02/11	WG	Turbidity	0.61	NTU	CAPA-12-1325
R-54 S1	830	11/02/11	WG	Turbidity	0.47	NTU	CAPA-12-1327
R-54 S1	830	11/02/11	WG	Turbidity	1.25	NTU	CAPA-12-1321
R-54 S1	830	11/02/11	WG	Turbidity	0.82	NTU	CAPA-12-1323
R-54 S1	830	11/02/11	WG	Turbidity	0.84	NTU	CAPA-12-1168
R-54 S1	830	11/02/11	WG	Turbidity	0.68	NTU	CAPA-12-1319
R-54 S1	830	11/02/11	WG	Turbidity	0.4	NTU	CAPA-12-1333
R-54 S1	830	11/02/11	WG	Turbidity	0.72	NTU	CAPA-12-1335
R-54 S1	830	11/02/11	WG	Turbidity	0.84	NTU	CAPA-12-1329
R-54 S1	830	11/02/11	WG	Turbidity	0.47	NTU	CAPA-12-1331
R-54 S1	830	07/12/11	WG	Turbidity	1.11	NTU	CAPA-11-14720
R-54 S1	830	07/12/11	WG	Turbidity	0.92	NTU	CAPA-11-14723
R-54 S1	830	07/12/11	WG	Turbidity	3.17	NTU	CAPA-11-14718
R-54 S1	830	07/12/11	WG	Turbidity	0.38	NTU	CAPA-11-22972
R-54 S1	830	05/04/11	WG	Turbidity	0.43	NTU	CAPA-11-9499
R-54 S1	830	05/04/11	WG	Turbidity	0.54	NTU	CAPA-11-10600
R-54 S1	830	05/04/11	WG	Turbidity	0.69	NTU	CAPA-11-10603

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-54 S1	830	05/04/11	WG	Turbidity	1.38	NTU	CAPA-11-10604
R-54 S2	915	10/24/12	WG	Dissolved Oxygen	6.3	mg/L	CAPA-12-23816
R-54 S2	915	05/04/12	WG	Dissolved Oxygen	6.31	mg/L	CAPA-12-13246
R-54 S2	915	10/31/11	WG	Dissolved Oxygen	6.46	mg/L	CAPA-12-1172
R-54 S2	915	07/12/11	WG	Dissolved Oxygen	6.8	mg/L	CAPA-11-22976
R-54 S2	915	05/05/11	WG	Dissolved Oxygen	6.45	mg/L	CAPA-11-9500
R-54 S2	915	10/24/12	WG	Oxidation-Reduction Potential	98.5	mV	CAPA-12-23816
R-54 S2	915	05/04/12	WG	Oxidation-Reduction Potential	30	mV	CAPA-12-13246
R-54 S2	915	10/31/11	WG	Oxidation-Reduction Potential	100.6	mV	CAPA-12-1172
R-54 S2	915	07/12/11	WG	Oxidation-Reduction Potential	56.4	mV	CAPA-11-22976
R-54 S2	915	05/05/11	WG	Oxidation-Reduction Potential	180.8	mV	CAPA-11-9500
R-54 S2	915	10/24/12	WG	pH	8.37	SU	CAPA-12-23816
R-54 S2	915	05/04/12	WG	pH	8.31	SU	CAPA-12-13246
R-54 S2	915	10/31/11	WG	pH	8.28	SU	CAPA-12-1172
R-54 S2	915	07/12/11	WG	pH	8.27	SU	CAPA-11-22976
R-54 S2	915	05/05/11	WG	pH	8.19	SU	CAPA-11-9500
R-54 S2	915	10/24/12	WG	Specific Conductance	131	µS/cm	CAPA-12-23816
R-54 S2	915	05/04/12	WG	Specific Conductance	121	µS/cm	CAPA-12-13246
R-54 S2	915	10/31/11	WG	Specific Conductance	129	µS/cm	CAPA-12-1172
R-54 S2	915	07/12/11	WG	Specific Conductance	125	µS/cm	CAPA-11-22976
R-54 S2	915	05/05/11	WG	Specific Conductance	130	µS/cm	CAPA-11-9500
R-54 S2	915	10/24/12	WG	Temperature	21.03	deg C	CAPA-12-23816
R-54 S2	915	05/04/12	WG	Temperature	21.77	deg C	CAPA-12-13246
R-54 S2	915	10/31/11	WG	Temperature	21.43	deg C	CAPA-12-1172
R-54 S2	915	07/12/11	WG	Temperature	22.41	deg C	CAPA-11-22976
R-54 S2	915	05/05/11	WG	Temperature	21.87	deg C	CAPA-11-9500
R-54 S2	915	10/24/12	WG	Turbidity	0.55	NTU	CAPA-12-23816
R-54 S2	915	05/04/12	WG	Turbidity	0.63	NTU	CAPA-12-13246
R-54 S2	915	10/31/11	WG	Turbidity	0.83	NTU	CAPA-12-1172

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-54 S2	915	07/12/11	WG	Turbidity	0.46	NTU	CAPA-11-22976
R-54 S2	915	05/05/11	WG	Turbidity	0.51	NTU	CAPA-11-9500
R-55 S1	860	10/24/12	WG	Dissolved Oxygen	6.29	mg/L	CAMO-12-23862
R-55 S1	860	04/26/12	WG	Dissolved Oxygen	6.27	mg/L	CAPA-12-13263
R-55 S1	860	10/28/11	WG	Dissolved Oxygen	6.39	mg/L	CAPA-12-1201
R-55 S1	860	07/15/11	WG	Dissolved Oxygen	6.22	mg/L	CAPA-11-14731
R-55 S1	860	07/15/11	WG	Dissolved Oxygen	6.4	mg/L	CAPA-11-14733
R-55 S1	860	07/15/11	WG	Dissolved Oxygen	6.3	mg/L	CAPA-11-14735
R-55 S1	860	07/15/11	WG	Dissolved Oxygen	6.56	mg/L	CAPA-11-23022
R-55 S1	860	04/28/11	WG	Dissolved Oxygen	6.51	mg/L	CAPA-11-9505
R-55 S1	860	10/24/12	WG	Oxidation-Reduction Potential	89.2	mV	CAMO-12-23862
R-55 S1	860	04/26/12	WG	Oxidation-Reduction Potential	193.9	mV	CAPA-12-13263
R-55 S1	860	07/15/11	WG	Oxidation-Reduction Potential	266.9	mV	CAPA-11-14731
R-55 S1	860	07/15/11	WG	Oxidation-Reduction Potential	260.2	mV	CAPA-11-14733
R-55 S1	860	07/15/11	WG	Oxidation-Reduction Potential	265.4	mV	CAPA-11-14735
R-55 S1	860	07/15/11	WG	Oxidation-Reduction Potential	265.2	mV	CAPA-11-23022
R-55 S1	860	04/28/11	WG	Oxidation-Reduction Potential	45.7	mV	CAPA-11-9505
R-55 S1	860	02/07/11	WG	Oxidation-Reduction Potential	190.2	mV	CAPA-11-4718
R-55 S1	860	10/24/12	WG	pH	8.19	SU	CAMO-12-23862
R-55 S1	860	04/26/12	WG	pH	8.26	SU	CAPA-12-13263
R-55 S1	860	10/28/11	WG	pH	8.15	SU	CAPA-12-1201
R-55 S1	860	07/15/11	WG	pH	8.17	SU	CAPA-11-14731
R-55 S1	860	07/15/11	WG	pH	8.08	SU	CAPA-11-14733
R-55 S1	860	07/15/11	WG	pH	8.08	SU	CAPA-11-14735
R-55 S1	860	07/15/11	WG	pH	8.08	SU	CAPA-11-23022
R-55 S1	860	04/28/11	WG	pH	8.09	SU	CAPA-11-9505
R-55 S1	860	10/24/12	WG	Specific Conductance	173	µS/cm	CAMO-12-23862
R-55 S1	860	04/26/12	WG	Specific Conductance	177	µS/cm	CAPA-12-13263
R-55 S1	860	10/28/11	WG	Specific Conductance	176	µS/cm	CAPA-12-1201

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-55 S1	860	07/15/11	WG	Specific Conductance	174	µS/cm	CAPA-11-14731
R-55 S1	860	07/15/11	WG	Specific Conductance	167	µS/cm	CAPA-11-14733
R-55 S1	860	07/15/11	WG	Specific Conductance	168	µS/cm	CAPA-11-14735
R-55 S1	860	07/15/11	WG	Specific Conductance	168	µS/cm	CAPA-11-23022
R-55 S1	860	04/28/11	WG	Specific Conductance	177	µS/cm	CAPA-11-9505
R-55 S1	860	10/24/12	WG	Temperature	22.26	deg C	CAMO-12-23862
R-55 S1	860	04/26/12	WG	Temperature	22.7	deg C	CAPA-12-13263
R-55 S1	860	10/28/11	WG	Temperature	22.12	deg C	CAPA-12-1201
R-55 S1	860	07/15/11	WG	Temperature	22.24	deg C	CAPA-11-14731
R-55 S1	860	07/15/11	WG	Temperature	22.43	deg C	CAPA-11-14733
R-55 S1	860	07/15/11	WG	Temperature	22.52	deg C	CAPA-11-14735
R-55 S1	860	07/15/11	WG	Temperature	22.63	deg C	CAPA-11-23022
R-55 S1	860	04/28/11	WG	Temperature	22.59	deg C	CAPA-11-9505
R-55 S1	860	10/24/12	WG	Turbidity	0.25	NTU	CAMO-12-23862
R-55 S1	860	04/26/12	WG	Turbidity	0.21	NTU	CAPA-12-13263
R-55 S1	860	10/28/11	WG	Turbidity	0.36	NTU	CAPA-12-1201
R-55 S1	860	07/15/11	WG	Turbidity	0.47	NTU	CAPA-11-14731
R-55 S1	860	07/15/11	WG	Turbidity	0.41	NTU	CAPA-11-14733
R-55 S1	860	07/15/11	WG	Turbidity	0.26	NTU	CAPA-11-14735
R-55 S1	860	07/15/11	WG	Turbidity	0.21	NTU	CAPA-11-23022
R-55 S1	860	04/28/11	WG	Turbidity	0.33	NTU	CAPA-11-9505
R-55 S2	994.4	10/24/12	WG	Dissolved Oxygen	5.21	mg/L	CAMO-12-23863
R-55 S2	994.4	04/26/12	WG	Dissolved Oxygen	5.03	mg/L	CAPA-12-13264
R-55 S2	994.4	10/31/11	WG	Dissolved Oxygen	4.84	mg/L	CAPA-12-1204
R-55 S2	994.4	07/14/11	WG	Dissolved Oxygen	5.9	mg/L	CAPA-11-14737
R-55 S2	994.4	07/14/11	WG	Dissolved Oxygen	6.32	mg/L	CAPA-11-14739
R-55 S2	994.4	07/14/11	WG	Dissolved Oxygen	6.45	mg/L	CAPA-11-23024
R-55 S2	994.4	04/28/11	WG	Dissolved Oxygen	4.94	mg/L	CAPA-11-9508
R-55 S2	994.4	10/24/12	WG	Oxidation-Reduction Potential	83.3	mV	CAMO-12-23863

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-55 S2	994.4	04/26/12	WG	Oxidation-Reduction Potential	130.3	mV	CAPA-12-13264
R-55 S2	994.4	10/31/11	WG	Oxidation-Reduction Potential	93.8	mV	CAPA-12-1204
R-55 S2	994.4	07/14/11	WG	Oxidation-Reduction Potential	50.2	mV	CAPA-11-14737
R-55 S2	994.4	07/14/11	WG	Oxidation-Reduction Potential	69.9	mV	CAPA-11-14739
R-55 S2	994.4	07/14/11	WG	Oxidation-Reduction Potential	96.8	mV	CAPA-11-23024
R-55 S2	994.4	04/28/11	WG	Oxidation-Reduction Potential	72.5	mV	CAPA-11-9508
R-55 S2	994.4	10/24/12	WG	pH	8.48	SU	CAMO-12-23863
R-55 S2	994.4	04/26/12	WG	pH	8.55	SU	CAPA-12-13264
R-55 S2	994.4	10/31/11	WG	pH	8.53	SU	CAPA-12-1204
R-55 S2	994.4	07/14/11	WG	pH	8.3	SU	CAPA-11-14737
R-55 S2	994.4	07/14/11	WG	pH	8.17	SU	CAPA-11-14739
R-55 S2	994.4	07/14/11	WG	pH	8.13	SU	CAPA-11-23024
R-55 S2	994.4	04/28/11	WG	pH	8.48	SU	CAPA-11-9508
R-55 S2	994.4	10/24/12	WG	Specific Conductance	175	µS/cm	CAMO-12-23863
R-55 S2	994.4	04/26/12	WG	Specific Conductance	178	µS/cm	CAPA-12-13264
R-55 S2	994.4	10/31/11	WG	Specific Conductance	174	µS/cm	CAPA-12-1204
R-55 S2	994.4	07/14/11	WG	Specific Conductance	182	µS/cm	CAPA-11-14737
R-55 S2	994.4	07/14/11	WG	Specific Conductance	181	µS/cm	CAPA-11-14739
R-55 S2	994.4	07/14/11	WG	Specific Conductance	181	µS/cm	CAPA-11-23024
R-55 S2	994.4	04/28/11	WG	Specific Conductance	172	µS/cm	CAPA-11-9508
R-55 S2	994.4	10/24/12	WG	Temperature	22.52	deg C	CAMO-12-23863
R-55 S2	994.4	04/26/12	WG	Temperature	22.94	deg C	CAPA-12-13264
R-55 S2	994.4	10/31/11	WG	Temperature	21.98	deg C	CAPA-12-1204
R-55 S2	994.4	07/14/11	WG	Temperature	22.23	deg C	CAPA-11-14737
R-55 S2	994.4	07/14/11	WG	Temperature	22.54	deg C	CAPA-11-14739
R-55 S2	994.4	07/14/11	WG	Temperature	22.6	deg C	CAPA-11-23024
R-55 S2	994.4	04/28/11	WG	Temperature	22.81	deg C	CAPA-11-9508
R-55 S2	994.4	10/24/12	WG	Turbidity	0.35	NTU	CAMO-12-23863
R-55 S2	994.4	04/26/12	WG	Turbidity	0.33	NTU	CAPA-12-13264

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-55 S2	994.4	10/31/11	WG	Turbidity	0.45	NTU	CAPA-12-1204
R-55 S2	994.4	07/14/11	WG	Turbidity	0.43	NTU	CAPA-11-14737
R-55 S2	994.4	07/14/11	WG	Turbidity	0.33	NTU	CAPA-11-14739
R-55 S2	994.4	07/14/11	WG	Turbidity	0.33	NTU	CAPA-11-23024
R-55 S2	994.4	04/28/11	WG	Turbidity	0.29	NTU	CAPA-11-9508
R-55i	510	10/25/12	WG	Dissolved Oxygen	2.59	mg/L	CAMO-12-23864
R-55i	510	04/30/12	WG	Dissolved Oxygen	5.11	mg/L	CAPA-12-13265
R-55i	510	04/30/12	WG	Dissolved Oxygen	5.11	mg/L	CAPA-12-13348
R-55i	510	11/01/11	WG	Dissolved Oxygen	5.32	mg/L	CAPA-12-1224
R-55i	510	11/01/11	WG	Dissolved Oxygen	0.66	mg/L	CAPA-12-1284
R-55i	510	11/01/11	WG	Dissolved Oxygen	2.58	mg/L	CAPA-12-1286
R-55i	510	11/01/11	WG	Dissolved Oxygen	3.18	mg/L	CAPA-12-1288
R-55i	510	11/01/11	WG	Dissolved Oxygen	4.42	mg/L	CAPA-12-1290
R-55i	510	07/18/11	WG	Dissolved Oxygen	3.75	mg/L	CAPA-11-14771
R-55i	510	07/18/11	WG	Dissolved Oxygen	3.75	mg/L	CAPA-11-22978
R-55i	510	07/18/11	WG	Dissolved Oxygen	0.68	mg/L	CAPA-11-14767
R-55i	510	07/18/11	WG	Dissolved Oxygen	2.98	mg/L	CAPA-11-14769
R-55i	510	05/10/11	WG	Dissolved Oxygen	4.46	mg/L	CAPA-11-10606
R-55i	510	10/25/12	WG	Oxidation-Reduction Potential	73.4	mV	CAMO-12-23864
R-55i	510	04/30/12	WG	Oxidation-Reduction Potential	-39.8	mV	CAPA-12-13265
R-55i	510	04/30/12	WG	Oxidation-Reduction Potential	-39.8	mV	CAPA-12-13348
R-55i	510	11/01/11	WG	Oxidation-Reduction Potential	-73.7	mV	CAPA-12-1224
R-55i	510	11/01/11	WG	Oxidation-Reduction Potential	-101.7	mV	CAPA-12-1284
R-55i	510	11/01/11	WG	Oxidation-Reduction Potential	-69.2	mV	CAPA-12-1286
R-55i	510	11/01/11	WG	Oxidation-Reduction Potential	-101.4	mV	CAPA-12-1288
R-55i	510	11/01/11	WG	Oxidation-Reduction Potential	-88.6	mV	CAPA-12-1290
R-55i	510	07/18/11	WG	Oxidation-Reduction Potential	-81	mV	CAPA-11-14771
R-55i	510	07/18/11	WG	Oxidation-Reduction Potential	-81	mV	CAPA-11-22978
R-55i	510	07/18/11	WG	Oxidation-Reduction Potential	-101.1	mV	CAPA-11-14767

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-55i	510	07/18/11	WG	Oxidation-Reduction Potential	-78.4	mV	CAPA-11-14769
R-55i	510	05/10/11	WG	Oxidation-Reduction Potential	-97.9	mV	CAPA-11-10606
R-55i	510	10/25/12	WG	pH	7.28	SU	CAMO-12-23864
R-55i	510	04/30/12	WG	pH	7.39	SU	CAPA-12-13265
R-55i	510	04/30/12	WG	pH	7.39	SU	CAPA-12-13348
R-55i	510	11/01/11	WG	pH	7.37	SU	CAPA-12-1224
R-55i	510	11/01/11	WG	pH	6.88	SU	CAPA-12-1284
R-55i	510	11/01/11	WG	pH	7.07	SU	CAPA-12-1286
R-55i	510	11/01/11	WG	pH	7.15	SU	CAPA-12-1288
R-55i	510	11/01/11	WG	pH	7.28	SU	CAPA-12-1290
R-55i	510	07/18/11	WG	pH	7.37	SU	CAPA-11-14771
R-55i	510	07/18/11	WG	pH	7.37	SU	CAPA-11-22978
R-55i	510	07/18/11	WG	pH	6.96	SU	CAPA-11-14767
R-55i	510	07/18/11	WG	pH	7.24	SU	CAPA-11-14769
R-55i	510	05/10/11	WG	pH	7.52	SU	CAPA-11-10606
R-55i	510	10/25/12	WG	Specific Conductance	319	µS/cm	CAMO-12-23864
R-55i	510	04/30/12	WG	Specific Conductance	313	µS/cm	CAPA-12-13265
R-55i	510	04/30/12	WG	Specific Conductance	313	µS/cm	CAPA-12-13348
R-55i	510	11/01/11	WG	Specific Conductance	307	µS/cm	CAPA-12-1224
R-55i	510	11/01/11	WG	Specific Conductance	333	µS/cm	CAPA-12-1284
R-55i	510	11/01/11	WG	Specific Conductance	322	µS/cm	CAPA-12-1286
R-55i	510	11/01/11	WG	Specific Conductance	320	µS/cm	CAPA-12-1288
R-55i	510	11/01/11	WG	Specific Conductance	311	µS/cm	CAPA-12-1290
R-55i	510	07/18/11	WG	Specific Conductance	317	µS/cm	CAPA-11-14771
R-55i	510	07/18/11	WG	Specific Conductance	317	µS/cm	CAPA-11-22978
R-55i	510	07/18/11	WG	Specific Conductance	333	µS/cm	CAPA-11-14767
R-55i	510	07/18/11	WG	Specific Conductance	321	µS/cm	CAPA-11-14769
R-55i	510	05/10/11	WG	Specific Conductance	322	µS/cm	CAPA-11-10606
R-55i	510	10/25/12	WG	Temperature	16.97	deg C	CAMO-12-23864

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-55i	510	04/30/12	WG	Temperature	18.91	deg C	CAPA-12-13265
R-55i	510	04/30/12	WG	Temperature	18.91	deg C	CAPA-12-13348
R-55i	510	11/01/11	WG	Temperature	17.69	deg C	CAPA-12-1224
R-55i	510	11/01/11	WG	Temperature	17.08	deg C	CAPA-12-1284
R-55i	510	11/01/11	WG	Temperature	17.38	deg C	CAPA-12-1286
R-55i	510	11/01/11	WG	Temperature	17.47	deg C	CAPA-12-1288
R-55i	510	11/01/11	WG	Temperature	17.61	deg C	CAPA-12-1290
R-55i	510	07/18/11	WG	Temperature	18.75	deg C	CAPA-11-14771
R-55i	510	07/18/11	WG	Temperature	18.75	deg C	CAPA-11-22978
R-55i	510	07/18/11	WG	Temperature	18.14	deg C	CAPA-11-14767
R-55i	510	07/18/11	WG	Temperature	18.89	deg C	CAPA-11-14769
R-55i	510	05/10/11	WG	Temperature	18.21	deg C	CAPA-11-10606
R-55i	510	10/25/12	WG	Turbidity	2.57	NTU	CAMO-12-23864
R-55i	510	04/30/12	WG	Turbidity	0.48	NTU	CAPA-12-13265
R-55i	510	04/30/12	WG	Turbidity	0.48	NTU	CAPA-12-13348
R-55i	510	11/01/11	WG	Turbidity	1.2	NTU	CAPA-12-1224
R-55i	510	11/01/11	WG	Turbidity	1.82	NTU	CAPA-12-1284
R-55i	510	11/01/11	WG	Turbidity	3.5	NTU	CAPA-12-1286
R-55i	510	11/01/11	WG	Turbidity	2.73	NTU	CAPA-12-1288
R-55i	510	11/01/11	WG	Turbidity	2.03	NTU	CAPA-12-1290
R-55i	510	07/18/11	WG	Turbidity	1.43	NTU	CAPA-11-14771
R-55i	510	07/18/11	WG	Turbidity	1.43	NTU	CAPA-11-22978
R-55i	510	07/18/11	WG	Turbidity	2.81	NTU	CAPA-11-14767
R-55i	510	07/18/11	WG	Turbidity	2.48	NTU	CAPA-11-14769
R-55i	510	05/10/11	WG	Turbidity	1.63	NTU	CAPA-11-10606
R-56 S1	945	10/18/12	WG	Dissolved Oxygen	6.05	mg/L	CAPA-12-23817
R-56 S1	945	04/25/12	WG	Dissolved Oxygen	5.57	mg/L	CAPA-12-13247
R-56 S1	945	11/02/11	WG	Dissolved Oxygen	5.59	mg/L	CAPA-12-1207
R-56 S1	945	07/20/11	WG	Dissolved Oxygen	5.95	mg/L	CAPA-11-14745

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-56 S1	945	07/20/11	WG	Dissolved Oxygen	5.74	mg/L	CAPA-11-23029
R-56 S1	945	05/10/11	WG	Dissolved Oxygen	5.2	mg/L	CAPA-11-9510
R-56 S1	945	10/18/12	WG	Oxidation-Reduction Potential	68.6	mV	CAPA-12-23817
R-56 S1	945	04/25/12	WG	Oxidation-Reduction Potential	91.8	mV	CAPA-12-13247
R-56 S1	945	11/02/11	WG	Oxidation-Reduction Potential	102.9	mV	CAPA-12-1207
R-56 S1	945	07/20/11	WG	Oxidation-Reduction Potential	122.2	mV	CAPA-11-14745
R-56 S1	945	07/20/11	WG	Oxidation-Reduction Potential	136.1	mV	CAPA-11-23029
R-56 S1	945	05/10/11	WG	Oxidation-Reduction Potential	103.9	mV	CAPA-11-9510
R-56 S1	945	10/18/12	WG	pH	8.11	SU	CAPA-12-23817
R-56 S1	945	04/25/12	WG	pH	8.11	SU	CAPA-12-13247
R-56 S1	945	11/02/11	WG	pH	8.05	SU	CAPA-12-1207
R-56 S1	945	07/20/11	WG	pH	8.07	SU	CAPA-11-14745
R-56 S1	945	07/20/11	WG	pH	8.03	SU	CAPA-11-23029
R-56 S1	945	05/10/11	WG	pH	7.88	SU	CAPA-11-9510
R-56 S1	945	10/18/12	WG	Specific Conductance	147	µS/cm	CAPA-12-23817
R-56 S1	945	04/25/12	WG	Specific Conductance	151	µS/cm	CAPA-12-13247
R-56 S1	945	11/02/11	WG	Specific Conductance	149	µS/cm	CAPA-12-1207
R-56 S1	945	07/20/11	WG	Specific Conductance	153	µS/cm	CAPA-11-14745
R-56 S1	945	07/20/11	WG	Specific Conductance	153	µS/cm	CAPA-11-23029
R-56 S1	945	05/10/11	WG	Specific Conductance	151	µS/cm	CAPA-11-9510
R-56 S1	945	10/18/12	WG	Temperature	20.81	deg C	CAPA-12-23817
R-56 S1	945	04/25/12	WG	Temperature	23.65	deg C	CAPA-12-13247
R-56 S1	945	11/02/11	WG	Temperature	19.46	deg C	CAPA-12-1207
R-56 S1	945	07/20/11	WG	Temperature	21.72	deg C	CAPA-11-14745
R-56 S1	945	07/20/11	WG	Temperature	21.67	deg C	CAPA-11-23029
R-56 S1	945	05/10/11	WG	Temperature	20.96	deg C	CAPA-11-9510
R-56 S1	945	10/18/12	WG	Turbidity	0.29	NTU	CAPA-12-23817
R-56 S1	945	04/25/12	WG	Turbidity	0.8	NTU	CAPA-12-13247
R-56 S1	945	11/02/11	WG	Turbidity	0.37	NTU	CAPA-12-1207

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-56 S1	945	07/20/11	WG	Turbidity	0.37	NTU	CAPA-11-14745
R-56 S1	945	07/20/11	WG	Turbidity	0.32	NTU	CAPA-11-23029
R-56 S1	945	05/10/11	WG	Turbidity	0.42	NTU	CAPA-11-9510
R-56 S2	1046.6	10/18/12	WG	Dissolved Oxygen	5.27	mg/L	CAPA-12-23818
R-56 S2	1046.6	04/25/12	WG	Dissolved Oxygen	5.39	mg/L	CAPA-12-13248
R-56 S2	1046.6	11/02/11	WG	Dissolved Oxygen	5.03	mg/L	CAPA-12-1213
R-56 S2	1046.6	07/20/11	WG	Dissolved Oxygen	4.05	mg/L	CAPA-11-14750
R-56 S2	1046.6	07/20/11	WG	Dissolved Oxygen	4.87	mg/L	CAPA-11-14752
R-56 S2	1046.6	07/20/11	WG	Dissolved Oxygen	4.9	mg/L	CAPA-11-23032
R-56 S2	1046.6	07/20/11	WG	Dissolved Oxygen	3.51	mg/L	CAPA-11-14748
R-56 S2	1046.6	05/10/11	WG	Dissolved Oxygen	4.16	mg/L	CAPA-11-9514
R-56 S2	1046.6	10/18/12	WG	Oxidation-Reduction Potential	55.5	mV	CAPA-12-23818
R-56 S2	1046.6	04/25/12	WG	Oxidation-Reduction Potential	83.8	mV	CAPA-12-13248
R-56 S2	1046.6	11/02/11	WG	Oxidation-Reduction Potential	83.5	mV	CAPA-12-1213
R-56 S2	1046.6	07/20/11	WG	Oxidation-Reduction Potential	83.9	mV	CAPA-11-14750
R-56 S2	1046.6	07/20/11	WG	Oxidation-Reduction Potential	113.7	mV	CAPA-11-14752
R-56 S2	1046.6	07/20/11	WG	Oxidation-Reduction Potential	117.9	mV	CAPA-11-23032
R-56 S2	1046.6	07/20/11	WG	Oxidation-Reduction Potential	35.2	mV	CAPA-11-14748
R-56 S2	1046.6	05/10/11	WG	Oxidation-Reduction Potential	96.6	mV	CAPA-11-9514
R-56 S2	1046.6	10/18/12	WG	pH	8.36	SU	CAPA-12-23818
R-56 S2	1046.6	04/25/12	WG	pH	8.47	SU	CAPA-12-13248
R-56 S2	1046.6	11/02/11	WG	pH	8.38	SU	CAPA-12-1213
R-56 S2	1046.6	07/20/11	WG	pH	8.36	SU	CAPA-11-14750
R-56 S2	1046.6	07/20/11	WG	pH	8.2	SU	CAPA-11-14752
R-56 S2	1046.6	07/20/11	WG	pH	8.18	SU	CAPA-11-23032
R-56 S2	1046.6	07/20/11	WG	pH	8.51	SU	CAPA-11-14748
R-56 S2	1046.6	05/10/11	WG	pH	8.15	SU	CAPA-11-9514
R-56 S2	1046.6	10/18/12	WG	Specific Conductance	131	µS/cm	CAPA-12-23818
R-56 S2	1046.6	04/25/12	WG	Specific Conductance	134	µS/cm	CAPA-12-13248

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-56 S2	1046.6	11/02/11	WG	Specific Conductance	135	µS/cm	CAPA-12-1213
R-56 S2	1046.6	07/20/11	WG	Specific Conductance	21.66	µS/cm	CAPA-11-14750
R-56 S2	1046.6	07/20/11	WG	Specific Conductance	139	µS/cm	CAPA-11-14752
R-56 S2	1046.6	07/20/11	WG	Specific Conductance	135	µS/cm	CAPA-11-23032
R-56 S2	1046.6	07/20/11	WG	Specific Conductance	143	µS/cm	CAPA-11-14748
R-56 S2	1046.6	05/10/11	WG	Specific Conductance	144	µS/cm	CAPA-11-9514
R-56 S2	1046.6	10/18/12	WG	Temperature	20.79	deg C	CAPA-12-23818
R-56 S2	1046.6	04/25/12	WG	Temperature	21.6	deg C	CAPA-12-13248
R-56 S2	1046.6	11/02/11	WG	Temperature	20.7	deg C	CAPA-12-1213
R-56 S2	1046.6	07/20/11	WG	Temperature	21.65	deg C	CAPA-11-14750
R-56 S2	1046.6	07/20/11	WG	Temperature	21.62	deg C	CAPA-11-14752
R-56 S2	1046.6	07/20/11	WG	Temperature	21.63	deg C	CAPA-11-23032
R-56 S2	1046.6	07/20/11	WG	Temperature	20.9	deg C	CAPA-11-14748
R-56 S2	1046.6	05/10/11	WG	Temperature	21.25	deg C	CAPA-11-9514
R-56 S2	1046.6	10/18/12	WG	Turbidity	0.59	NTU	CAPA-12-23818
R-56 S2	1046.6	04/25/12	WG	Turbidity	1.02	NTU	CAPA-12-13248
R-56 S2	1046.6	11/02/11	WG	Turbidity	0.63	NTU	CAPA-12-1213
R-56 S2	1046.6	07/20/11	WG	Turbidity	0.71	NTU	CAPA-11-14750
R-56 S2	1046.6	07/20/11	WG	Turbidity	0.64	NTU	CAPA-11-14752
R-56 S2	1046.6	07/20/11	WG	Turbidity	0.5	NTU	CAPA-11-23032
R-56 S2	1046.6	07/20/11	WG	Turbidity	0.82	NTU	CAPA-11-14748
R-56 S2	1046.6	05/10/11	WG	Turbidity	0.89	NTU	CAPA-11-9514
R-57 S1	910	10/10/12	WG	Dissolved Oxygen	4.83	mg/L	CAPA-12-23819
R-57 S1	910	04/23/12	WG	Dissolved Oxygen	4.97	mg/L	CAPA-12-13249
R-57 S1	910	10/21/11	WG	Dissolved Oxygen	4.7	mg/L	CAPA-12-1215
R-57 S1	910	07/13/11	WG	Dissolved Oxygen	3.16	mg/L	CAPA-11-14754
R-57 S1	910	07/13/11	WG	Dissolved Oxygen	4.16	mg/L	CAPA-11-14756
R-57 S1	910	07/13/11	WG	Dissolved Oxygen	4.71	mg/L	CAPA-11-23035
R-57 S1	910	07/13/11	WG	Dissolved Oxygen	4.71	mg/L	CAPA-11-14758

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-57 S1	910	05/09/11	WG	Dissolved Oxygen	4.57	mg/L	CAPA-11-9515
R-57 S1	910	10/10/12	WG	Oxidation-Reduction Potential	54	mV	CAPA-12-23819
R-57 S1	910	04/23/12	WG	Oxidation-Reduction Potential	66.2	mV	CAPA-12-13249
R-57 S1	910	10/21/11	WG	Oxidation-Reduction Potential	70.9	mV	CAPA-12-1215
R-57 S1	910	07/13/11	WG	Oxidation-Reduction Potential	-66.8	mV	CAPA-11-14754
R-57 S1	910	07/13/11	WG	Oxidation-Reduction Potential	-67.3	mV	CAPA-11-14756
R-57 S1	910	07/13/11	WG	Oxidation-Reduction Potential	-69.3	mV	CAPA-11-23035
R-57 S1	910	07/13/11	WG	Oxidation-Reduction Potential	-69.3	mV	CAPA-11-14758
R-57 S1	910	05/09/11	WG	Oxidation-Reduction Potential	29.9	mV	CAPA-11-9515
R-57 S1	910	10/10/12	WG	pH	7.89	SU	CAPA-12-23819
R-57 S1	910	04/23/12	WG	pH	7.74	SU	CAPA-12-13249
R-57 S1	910	10/21/11	WG	pH	7.89	SU	CAPA-12-1215
R-57 S1	910	07/13/11	WG	pH	7.83	SU	CAPA-11-14754
R-57 S1	910	07/13/11	WG	pH	7.83	SU	CAPA-11-14756
R-57 S1	910	07/13/11	WG	pH	7.87	SU	CAPA-11-23035
R-57 S1	910	07/13/11	WG	pH	7.87	SU	CAPA-11-14758
R-57 S1	910	05/09/11	WG	pH	7.85	SU	CAPA-11-9515
R-57 S1	910	10/10/12	WG	Specific Conductance	138	µS/cm	CAPA-12-23819
R-57 S1	910	04/23/12	WG	Specific Conductance	141	µS/cm	CAPA-12-13249
R-57 S1	910	10/21/11	WG	Specific Conductance	131	µS/cm	CAPA-12-1215
R-57 S1	910	07/13/11	WG	Specific Conductance	138	µS/cm	CAPA-11-14754
R-57 S1	910	07/13/11	WG	Specific Conductance	135	µS/cm	CAPA-11-14756
R-57 S1	910	07/13/11	WG	Specific Conductance	134	µS/cm	CAPA-11-23035
R-57 S1	910	07/13/11	WG	Specific Conductance	134	µS/cm	CAPA-11-14758
R-57 S1	910	05/09/11	WG	Specific Conductance	147	µS/cm	CAPA-11-9515
R-57 S1	910	10/10/12	WG	Temperature	22.42	deg C	CAPA-12-23819
R-57 S1	910	04/23/12	WG	Temperature	23.14	deg C	CAPA-12-13249
R-57 S1	910	10/21/11	WG	Temperature	22.54	deg C	CAPA-12-1215
R-57 S1	910	07/13/11	WG	Temperature	22.54	deg C	CAPA-11-14754

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-57 S1	910	07/13/11	WG	Temperature	22.82	deg C	CAPA-11-14756
R-57 S1	910	07/13/11	WG	Temperature	22.84	deg C	CAPA-11-23035
R-57 S1	910	07/13/11	WG	Temperature	22.84	deg C	CAPA-11-14758
R-57 S1	910	05/09/11	WG	Temperature	22.88	deg C	CAPA-11-9515
R-57 S1	910	10/10/12	WG	Turbidity	0.54	NTU	CAPA-12-23819
R-57 S1	910	04/23/12	WG	Turbidity	0.35	NTU	CAPA-12-13249
R-57 S1	910	10/21/11	WG	Turbidity	0.35	NTU	CAPA-12-1215
R-57 S1	910	07/13/11	WG	Turbidity	0.27	NTU	CAPA-11-14754
R-57 S1	910	07/13/11	WG	Turbidity	0.2	NTU	CAPA-11-14756
R-57 S1	910	07/13/11	WG	Turbidity	0.33	NTU	CAPA-11-23035
R-57 S1	910	07/13/11	WG	Turbidity	0.33	NTU	CAPA-11-14758
R-57 S1	910	05/09/11	WG	Turbidity	0.51	NTU	CAPA-11-9515
R-57 S2	971.5	10/10/12	WG	Dissolved Oxygen	5.06	mg/L	CAPA-12-23820
R-57 S2	971.5	04/23/12	WG	Dissolved Oxygen	6	mg/L	CAPA-12-13250
R-57 S2	971.5	10/21/11	WG	Dissolved Oxygen	5.82	mg/L	CAPA-12-1218
R-57 S2	971.5	07/13/11	WG	Dissolved Oxygen	5.68	mg/L	CAPA-11-23039
R-57 S2	971.5	07/13/11	WG	Dissolved Oxygen	5.44	mg/L	CAPA-11-14762
R-57 S2	971.5	07/13/11	WG	Dissolved Oxygen	4.62	mg/L	CAPA-11-14760
R-57 S2	971.5	07/13/11	WG	Dissolved Oxygen	5.68	mg/L	CAPA-11-14765
R-57 S2	971.5	05/09/11	WG	Dissolved Oxygen	5.93	mg/L	CAPA-11-9518
R-57 S2	971.5	10/10/12	WG	Oxidation-Reduction Potential	49.8	mV	CAPA-12-23820
R-57 S2	971.5	04/23/12	WG	Oxidation-Reduction Potential	80.9	mV	CAPA-12-13250
R-57 S2	971.5	10/21/11	WG	Oxidation-Reduction Potential	85.1	mV	CAPA-12-1218
R-57 S2	971.5	07/13/11	WG	Oxidation-Reduction Potential	61	mV	CAPA-11-23039
R-57 S2	971.5	07/13/11	WG	Oxidation-Reduction Potential	48.1	mV	CAPA-11-14762
R-57 S2	971.5	07/13/11	WG	Oxidation-Reduction Potential	34.8	mV	CAPA-11-14760
R-57 S2	971.5	07/13/11	WG	Oxidation-Reduction Potential	61	mV	CAPA-11-14765
R-57 S2	971.5	05/09/11	WG	Oxidation-Reduction Potential	58.3	mV	CAPA-11-9518
R-57 S2	971.5	10/10/12	WG	pH	7.73	SU	CAPA-12-23820

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-57 S2	971.5	04/23/12	WG	pH	7.59	SU	CAPA-12-13250
R-57 S2	971.5	10/21/11	WG	pH	7.66	SU	CAPA-12-1218
R-57 S2	971.5	07/13/11	WG	pH	7.51	SU	CAPA-11-23039
R-57 S2	971.5	07/13/11	WG	pH	7.46	SU	CAPA-11-14762
R-57 S2	971.5	07/13/11	WG	pH	7.36	SU	CAPA-11-14760
R-57 S2	971.5	07/13/11	WG	pH	7.51	SU	CAPA-11-14765
R-57 S2	971.5	05/09/11	WG	pH	7.46	SU	CAPA-11-9518
R-57 S2	971.5	10/10/12	WG	Specific Conductance	132	µS/cm	CAPA-12-23820
R-57 S2	971.5	04/23/12	WG	Specific Conductance	134	µS/cm	CAPA-12-13250
R-57 S2	971.5	10/21/11	WG	Specific Conductance	128	µS/cm	CAPA-12-1218
R-57 S2	971.5	07/13/11	WG	Specific Conductance	121	µS/cm	CAPA-11-23039
R-57 S2	971.5	07/13/11	WG	Specific Conductance	121	µS/cm	CAPA-11-14762
R-57 S2	971.5	07/13/11	WG	Specific Conductance	136	µS/cm	CAPA-11-14760
R-57 S2	971.5	07/13/11	WG	Specific Conductance	121	µS/cm	CAPA-11-14765
R-57 S2	971.5	05/09/11	WG	Specific Conductance	145	µS/cm	CAPA-11-9518
R-57 S2	971.5	10/10/12	WG	Temperature	22.11	deg C	CAPA-12-23820
R-57 S2	971.5	04/23/12	WG	Temperature	23.09	deg C	CAPA-12-13250
R-57 S2	971.5	10/21/11	WG	Temperature	22.48	deg C	CAPA-12-1218
R-57 S2	971.5	07/13/11	WG	Temperature	23.21	deg C	CAPA-11-23039
R-57 S2	971.5	07/13/11	WG	Temperature	23.16	deg C	CAPA-11-14762
R-57 S2	971.5	07/13/11	WG	Temperature	23.01	deg C	CAPA-11-14760
R-57 S2	971.5	07/13/11	WG	Temperature	23.21	deg C	CAPA-11-14765
R-57 S2	971.5	05/09/11	WG	Temperature	23.05	deg C	CAPA-11-9518
R-57 S2	971.5	10/10/12	WG	Turbidity	0.81	NTU	CAPA-12-23820
R-57 S2	971.5	04/23/12	WG	Turbidity	0.74	NTU	CAPA-12-13250
R-57 S2	971.5	10/21/11	WG	Turbidity	0.46	NTU	CAPA-12-1218
R-57 S2	971.5	07/13/11	WG	Turbidity	0.65	NTU	CAPA-11-23039
R-57 S2	971.5	07/13/11	WG	Turbidity	1.87	NTU	CAPA-11-14762
R-57 S2	971.5	07/13/11	WG	Turbidity	1.16	NTU	CAPA-11-14760

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-57 S2	971.5	07/13/11	WG	Turbidity	0.65	NTU	CAPA-11-14765
R-57 S2	971.5	05/09/11	WG	Turbidity	0.6	NTU	CAPA-11-9518

[a] WG = Groundwater.

[b] SU = Standard unit.

[c] NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

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

Acronyms and Abbreviations

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Secondary Validation Flag Codes

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

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
03-B-13	21.5	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.29	—	—	0.01	SU	Y	H	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.42	—	—	0.01	SU	Y	H	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.34	—	—	0.01	SU	Y	H	J-	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.97	—	—	0.01	SU	Y	H	J-	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.53	—	—	0.01	SU	Y	H	J-	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.6	—	—	0.725	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	48.5	—	—	0.725	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.2	—	—	0.73	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.4	—	—	0.73	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.2	—	—	0.73	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	3040	—	—	68	µg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	1520	—	—	68	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	11500	—	—	68	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	7830	—	—	68	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	4400	—	—	68	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	103	—	—	1	µg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	125	—	—	1	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	109	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	62.8	—	—	1	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	76	—	—	1	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	52	—	—	15	µg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	41.6	—	—	15	µg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	58.6	—	—	15	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	54.6	—	—	15	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	77.6	—	—	15	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.2	—	—	0.05	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.3	—	—	0.05	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	7.38	—	—	0.05	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.2	—	—	0.05	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	78	—	—	0.67	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	130	—	—	0.67	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	57.8	—	—	0.66	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	34.5	—	—	0.33	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	59.1	—	—	0.66	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1.5	—	—	1.5	µg/L	N	U	U	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	10/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.83	—	—	0.3	µg/L	Y	J	J	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.66	—	—	0.6	µg/L	N	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.78	—	—	0.3	µg/L	Y	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	5	—	—	1.3	µg/L	N	U	UJ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	1.1	—	—	0.25	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.7	—	—	0.25	µg/L	Y	J	J	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.68	—	—	0.5	µg/L	N	J	J	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	1.17	—	—	0.25	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	5	—	—	1.3	µg/L	N	U	UJ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	3.39	—	—	3	µg/L	Y	J	J	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	5.01	—	—	3	µg/L	Y	J	J	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	5.36	—	—	3	µg/L	Y	J	J	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	3.38	—	—	3	µg/L	Y	J	J	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	3.26	—	—	0.3	µg/L	Y	—	NQ	2013-208	CAPA-12-23794	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
03-B-13	21.5	10/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	2.8	—	—	1.5	µg/L	N	J	J	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	4.37	—	—	0.3	µg/L	Y	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	3.12	—	—	0.6	µg/L	N	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	5.83	—	—	0.3	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	5.95	—	—	1.5	µg/L	N	—	J	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	2.9	—	—	0.3	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	2.86	—	—	0.6	µg/L	N	—	J	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	4.2	—	—	1.5	µg/L	N	J	J	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	4.4	—	—	0.3	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	10/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	2.65	—	—	1.5	µg/L	N	J	J	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	10/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	3.96	—	—	0.3	µg/L	Y	—	NQ	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	4.91	—	—	0.3	µg/L	Y	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	3.22	—	—	0.6	µg/L	N	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	5.73	—	—	0.3	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	5.7	—	—	1.5	µg/L	N	—	J	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	2.34	—	—	0.6	µg/L	N	—	J	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	2.64	—	—	0.3	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	4.66	—	—	0.3	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	3.9	—	—	1.5	µg/L	N	J	J	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	10/23/12	WG	UF	DL	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	441	—	—	31.3	µg/L	Y	—	NQ	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	462	—	—	30	µg/L	Y	—	J-	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	912	—	—	33	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	272	—	—	10	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	417	—	—	21	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.118	—	—	0.033	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.133	—	—	0.033	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.178	—	—	0.033	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.19	—	—	0.033	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.193	—	—	0.033	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.6	—	—	0.453	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	71.3	—	—	0.453	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.1	—	—	0.45	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	28.7	—	—	0.45	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41	—	—	0.45	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1930	—	—	30	µg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	857	—	—	30	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	7170	—	—	30	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	4550	—	—	30	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	2890	—	—	30	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	2.55	—	—	0.5	µg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	1.08	—	—	0.5	µg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	3.72	—	—	0.5	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	4.01	—	—	0.5	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	4.01	—	—	0.5	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.02	—	—	0.11	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.01	—	—	0.11	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.09	—	—	0.11	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.5	—	—	0.11	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.2	—	—	0.11	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	14	—	—	2	µg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	13.6	—	—	2	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	42.8	—	—	2	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	27.4	—	—	2	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	14.8	—	—	2	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.06	—	—	0.5	µg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.61	—	—	0.5	µg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	3.22	—	—	0.5	µg/L	Y	—	U	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.94	—	—	0.5	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.44	—	—	0.5	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.453	—	—	0.085	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.454	—	—	0.085	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.64	—	—	0.05	mg/L	Y	—	J	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.25	—	—	0.05	mg/L	Y	U	U	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.812	—	—	0.1	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	8.55	—	—	0.05	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	7.3	—	—	0.05	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	8.8	—	—	0.05	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	26.4	—	—	0.053	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	17.6	—	—	0.053	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	61.8	—	—	0.053	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.3	—	—	0.053	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	31.9	—	—	0.053	mg/L	Y	N	J+	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	59.3	—	—	0.1	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	75.4	—	—	0.1	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	59.7	—	—	0.1	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	44	—	—	0.1	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	58.7	—	—	0.1	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	420	—	—	1	µS/cm	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	566	—	—	1	µS/cm	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	404	—	—	1	µS/cm	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	276	—	—	1	µS/cm	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	370	—	—	1	µS/cm	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	89.4	—	—	1	µg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	122	—	—	1	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	81.3	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44	—	—	1	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	64.1	—	—	1	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.9	—	—	0.133	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.3	—	—	0.133	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.37	—	—	0.1	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	261	—	—	3.4	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	303	—	—	3.4	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	331	—	—	3.4	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	240	—	—	3.4	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	242	—	—	4.8	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.276	—	—	0.035	mg/L	Y	—	J+	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0874	—	—	0.035	mg/L	Y	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.454	—	—	0.035	mg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.115	—	—	0.035	mg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.217	—	—	0.035	mg/L	Y	—	U	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	10/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	9.11	—	—	1.65	mg/L	Y	—	NQ	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	4.18	—	—	0.33	mg/L	Y	—	J-	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	7.29	—	—	1.7	mg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	7.02	—	—	0.33	mg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	7.85	—	—	0.66	mg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0567	—	—	0.017	mg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0396	—	—	0.017	mg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0877	—	—	0.015	mg/L	Y	—	U	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.117	—	—	0.015	mg/L	Y	—	J	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0434	—	—	0.015	mg/L	Y	J	J	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	183	—	—	0.3	µg/L	N	E	R	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	10/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	117	—	—	1.5	µg/L	Y	—	NQ	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	113	—	—	0.6	µg/L	Y	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	170	—	—	0.3	µg/L	N	E	R	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	194	—	—	0.33	µg/L	N	E	R	12-146	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	176	—	—	1.6	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	103	—	—	0.65	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	111	—	—	0.33	µg/L	N	E	R	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	210	—	—	1.6	µg/L	Y	—	J	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	237	—	—	0.33	µg/L	N	E	R	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	10/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	1.5	—	—	1.5	µg/L	N	U	U	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	10/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.74	—	—	0.3	µg/L	Y	—	NQ	2013-208	CAPA-12-23794	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.28	—	—	0.6	µg/L	N	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.65	—	—	0.3	µg/L	Y	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	2.21	—	—	0.25	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.9	—	—	1.3	µg/L	N	J	J	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.4	—	—	0.25	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.4	—	—	0.5	µg/L	N	J	J	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	2.55	—	—	1.3	µg/L	Y	J	J	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	2.35	—	—	0.25	µg/L	N	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.39	—	—	0.067	µg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.173	—	—	0.067	µg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.656	—	—	0.067	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.602	—	—	0.067	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.461	—	—	0.067	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.05	—	—	1	µg/L	Y	J	J	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.77	—	—	1	µg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.43	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.53	—	—	1	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.09	—	—	1	µg/L	Y	J	J	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	17.1	—	—	3.3	µg/L	Y	—	NQ	2013-208	CAPA-12-23821	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	17.9	—	—	3.3	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	26.8	—	—	3.3	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	31.6	—	—	3.3	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	26.1	—	—	3.3	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.4	—	—	0.01	SU	Y	H	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	—	—	0.01	SU	Y	H	J-	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.44	—	—	0.01	SU	Y	H	J-	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.31	—	—	0.01	SU	Y	H	J-	11-1227	CAPA-11-3006	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	—	—	0.01	SU	Y	H	J-	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.2	—	—	0.725	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.5	—	—	0.73	mg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.8	—	—	0.73	mg/L	Y	H	J-	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63	—	—	0.73	mg/L	Y	H	J-	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.7	—	—	0.73	mg/L	Y	—	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00388	0.00672	0.0529	—	pCi/L	Y	U	U	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00145	0.0026	0.038	—	pCi/L	Y	U	U	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	2.95E-06	0.0022	0.03	—	pCi/L	Y	U	U	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00221	0.0019	0.032	—	pCi/L	Y	U	U	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00051	0.0029	0.035	—	pCi/L	Y	U	U	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.27	—	—	1.7	µg/L	Y	J	J	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.82	—	—	1.7	µg/L	Y	J	J	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	111	—	—	1	µg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	84.9	—	—	1	µg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	83.7	—	—	1	µg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	81.4	—	—	1	µg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	84.7	—	—	1	µg/L	Y	E	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.3	—	—	15	µg/L	Y	J	J	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.2	—	—	15	µg/L	Y	J	J	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.7	—	—	15	µg/L	Y	J	J	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.9	—	—	0.05	mg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.2	—	—	0.05	mg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.3	—	—	0.05	mg/L	Y	E	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.35	1.39	5.63	—	pCi/L	Y	U	U	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.46	1.7	5.2	—	pCi/L	Y	U	U	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.222	0.66	2.2	—	pCi/L	Y	U	U	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.63	1.1	3.3	—	pCi/L	Y	U	U	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.682	1.2	4.1	—	pCi/L	Y	U	U	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.15	—	—	0.067	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.47	—	—	0.066	mg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.48	—	—	0.066	mg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.5	—	—	0.066	mg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.47	—	—	0.066	mg/L	Y	—	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.72	—	—	2	µg/L	Y	J	J	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	5.67	—	—	2	µg/L	Y	J	U	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	UJ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2.5	µg/L	Y	U	U	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.448	1.63	5.95	—	pCi/L	Y	U	U	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.81	1.3	4.5	—	pCi/L	Y	U	U	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.372	0.6	2	—	pCi/L	Y	U	U	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.609	1.1	3.8	—	pCi/L	Y	U	U	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.725	1.2	3.9	—	pCi/L	Y	U	U	09-2155	CAPA-09-9410	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.233	—	—	0.033	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.26	—	—	0.033	mg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.215	—	—	0.033	mg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.242	—	—	0.033	mg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.25	—	—	0.033	mg/L	Y	—	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.323	0.683	2.84	—	pCi/L	Y	U	U	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.22	0.74	2.3	—	pCi/L	Y	U	U	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	13.5	2.4	2.1	—	pCi/L	Y	—	NQ	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.717	0.56	1.9	—	pCi/L	Y	U	U	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	03/10/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.43	0.55	1.5	—	pCi/L	Y	U	U	09-1179	CAPA-09-4370	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.1	0.841	2.28	—	pCi/L	Y	—	NQ	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.98	0.81	2.3	—	pCi/L	Y	—	NQ	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.55	1.7	3.7	—	pCi/L	Y	—	NQ	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.01	0.49	1.3	—	pCi/L	Y	—	NQ	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	03/10/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.88	0.98	2.9	—	pCi/L	Y	—	NQ	09-1179	CAPA-09-4370	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.7	—	—	0.453	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.7	—	—	0.45	mg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43	—	—	0.45	mg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.5	—	—	0.45	mg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	36.8	—	—	0.35	mg/L	Y	—	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.62	—	—	0.11	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.18	—	—	0.11	mg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.42	—	—	0.11	mg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.31	—	—	0.11	mg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.09	—	—	0.085	mg/L	Y	—	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	24.3	—	—	2	µg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	13.9	—	—	2	µg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	21.3	—	—	2	µg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	11	—	—	2	µg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	21	—	—	2	µg/L	Y	—	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	—	0.165	µg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.17	µg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.17	µg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.4	—	—	0.17	µg/L	Y	—	U	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.38	—	—	0.1	µg/L	Y	—	U	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.18	2.85	10.3	—	pCi/L	Y	U	U	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.99	2.7	7.6	—	pCi/L	Y	U	U	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.49	4.8	15	—	pCi/L	Y	U	U	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.49	9.5	29	—	pCi/L	Y	U	U	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	29.1	12	41	—	pCi/L	Y	U	U	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.42	—	—	0.5	µg/L	Y	J	J	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.852	—	—	0.5	µg/L	Y	J	J	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.752	—	—	0.5	µg/L	Y	J	J	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.63	—	—	0.5	µg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.1	—	—	0.5	µg/L	Y	J	J	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.189	—	—	0.017	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.225	—	—	0.05	mg/L	Y	J	J	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.05	—	—	0.01	mg/L	Y	U	UJ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.12	—	—	0.05	mg/L	Y	J	J	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.261	—	—	0.05	mg/L	Y	—	U	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.135	—	—	0.05	µg/L	Y	J	J	2013-111	CAPA-12-23822	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.154	—	—	0.05	µg/L	Y	J	J	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.071	—	—	0.05	µg/L	Y	J	J	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.189	—	—	0.05	µg/L	Y	J	J	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.174	—	—	0.05	µg/L	Y	J	J	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00298	0.00516	0.0339	—	pCi/L	Y	U	U	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0041	0.018	—	pCi/L	Y	U	U	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00975	0.0044	0.034	—	pCi/L	Y	U	U	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00296	0.003	0.026	—	pCi/L	Y	U	U	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00904	0.0037	0.027	—	pCi/L	Y	U	U	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00298	0.00788	0.0403	—	pCi/L	Y	U	U	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.002	0.03	—	pCi/L	Y	U	U	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0156	0.0056	0.024	—	pCi/L	Y	U	U	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00295	0.0021	0.029	—	pCi/L	Y	U	U	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00151	0.0015	0.027	—	pCi/L	Y	U	U	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.47	—	—	0.05	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.78	—	—	0.05	mg/L	Y	—	J	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.7	—	—	0.05	mg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.74	—	—	0.05	mg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.53	—	—	0.05	mg/L	Y	E	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.7	20.6	76.8	—	pCi/L	Y	U	U	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	30.5	20	67	—	pCi/L	Y	U	U	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.7	10	28	—	pCi/L	Y	U	U	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.31	14	47	—	pCi/L	Y	U	U	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.8	17	57	—	pCi/L	Y	U	U	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.5	—	—	0.053	mg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.6	—	—	0.053	mg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.1	—	—	0.053	mg/L	Y	E	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.4	—	—	0.1	mg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	E	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.33	1.57	6.01	—	pCi/L	Y	U	U	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.658	1.3	4.4	—	pCi/L	Y	U	U	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.849	0.68	2.3	—	pCi/L	Y	U	U	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0114	0.89	2.9	—	pCi/L	Y	U	U	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.39	1.2	3.5	—	pCi/L	Y	U	U	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	146	—	—	1	µS/cm	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	µS/cm	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	147	—	—	1	µS/cm	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	µS/cm	Y	—	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	151	—	—	1	µg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	148	—	—	1	µg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	157	—	—	1	µg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	148	—	—	1	µg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	142	—	—	1	µg/L	Y	E	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0233	0.138	0.492	—	pCi/L	Y	U	U	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.203	0.15	0.49	—	pCi/L	Y	U	U	10-3985	CAPA-10-24105	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.093	0.13	0.49	—	pCi/L	Y	U	U	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.1	0.057	0.2	—	pCi/L	Y	U	U	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.061	0.1	0.35	—	pCi/L	Y	U	U	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.14	—	—	0.133	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.2	—	—	0.1	mg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.72	—	—	0.1	mg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.1	—	—	0.1	mg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.35	—	—	0.1	mg/L	Y	—	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	J	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	2.4	mg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	122	—	—	2.4	mg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	2.4	mg/L	Y	—	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.965	—	—	0.33	mg/L	Y	J	J	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	07/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.404	—	—	0.33	mg/L	Y	J	J	11-2956	CAPA-11-22877	GELC
R-20 S1	904.6	04/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.616	—	—	0.33	mg/L	Y	J	J	11-2116	CAPA-11-9309	GELC
R-20 S1	904.6	01/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.593	—	—	0.33	mg/L	Y	J	J	11-1227	CAPA-11-3007	GELC
R-20 S1	904.6	10/20/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.915	—	—	0.33	mg/L	Y	J	J	11-229	CAPA-10-27373	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0702	—	—	0.017	mg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0576	—	—	0.015	mg/L	Y	—	U	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.03	—	—	0.015	mg/L	Y	J	U	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.018	—	—	0.015	mg/L	Y	J	J	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.044	—	—	0.015	mg/L	Y	J	U	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.7	0.729	2.494	—	pCi/L	Y	U	U	2013-118	CAPA-12-23795	ARSL
R-20 S1	904.6	05/03/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.006	0.666	2.263	—	pCi/L	Y	U	UJ	12-1291	CAPA-12-13225	ARSL
R-20 S1	904.6	07/27/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.6744	0.6762	2.254	—	pCi/L	Y	U	U	11-3020	CAPA-11-22877	ARSL
R-20 S1	904.6	04/20/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.2558	0.6762	2.2862	—	pCi/L	Y	U	U	11-2197	CAPA-11-9309	ARSL
R-20 S1	904.6	01/27/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.1252	0.5474	1.6744	—	pCi/L	N	U	R	11-1276	CAPA-11-3007	ARSL
R-20 S1	904.6	01/27/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.2898	0.483	1.6744	—	pCi/L	Y	U	U	11-1276	CAPA-11-3007	ARSL
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.775	—	—	0.067	µg/L	Y	—	NQ	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.605	—	—	0.067	µg/L	Y	—	NQ	11-2956	CAPA-11-22878	GELC
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.385	—	—	0.067	µg/L	Y	—	NQ	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.09	—	—	0.067	µg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.649	—	—	0.05	µg/L	Y	—	NQ	11-229	CAPA-10-27374	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.53	0.0415	0.0539	—	pCi/L	Y	—	J	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.555	0.061	0.1	—	pCi/L	Y	—	NQ	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.338	0.04	0.05	—	pCi/L	Y	—	NQ	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.366	0.042	0.1	—	pCi/L	Y	—	NQ	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.442	0.047	0.11	—	pCi/L	Y	—	NQ	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0227	0.0107	0.0391	—	pCi/L	Y	U	U	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0131	0.0076	0.049	—	pCi/L	Y	U	U	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0105	0.0061	0.04	—	pCi/L	Y	U	U	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0104	0.01	0.051	—	pCi/L	Y	U	U	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0203	0.0084	0.05	—	pCi/L	Y	U	U	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.26	0.0286	0.0366	—	pCi/L	Y	—	J	2013-111	CAPA-12-23795	GELC
R-20 S1	904.6	08/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.234	0.034	0.062	—	pCi/L	Y	—	NQ	10-3985	CAPA-10-24105	GELC
R-20 S1	904.6	03/13/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.162	0.024	0.036	—	pCi/L	Y	—	NQ	10-2453	CAPA-10-12817	GELC
R-20 S1	904.6	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.238	0.032	0.051	—	pCi/L	Y	—	NQ	09-3136	CAPA-09-12263	GELC
R-20 S1	904.6	06/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.178	0.026	0.05	—	pCi/L	Y	—	NQ	09-2155	CAPA-09-9410	GELC
R-20 S1	904.6	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.77	—	—	1	µg/L	Y	J	J	2013-111	CAPA-12-23822	GELC
R-20 S1	904.6	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.5	—	—	1	µg/L	Y	J	J	11-2956	CAPA-11-22878	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-20 S1	904.6	04/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	2.95	—	—	1	µg/L	Y	J	U	11-2116	CAPA-11-9310	GELC
R-20 S1	904.6	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.76	—	—	1	µg/L	Y	—	NQ	11-1227	CAPA-11-3006	GELC
R-20 S1	904.6	10/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.09	—	—	1	µg/L	Y	J	J	11-229	CAPA-10-27374	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	J-	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	J-	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.79	—	—	0.01	SU	Y	H	J-	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	J-	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.5	—	—	0.725	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.73	mg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.4	—	—	0.73	mg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.7	—	—	0.73	mg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	54.8	—	—	0.73	mg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0147	0.00694	0.0335	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00475	0.0067	0.037	—	pCi/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00385	0.0026	0.037	—	pCi/L	Y	U	U	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0055	0.0035	0.045	—	pCi/L	Y	U	U	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00139	0.0055	0.046	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000582	0.0017	0.032	—	pCi/L	Y	U	U	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	215	—	—	1	µg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	176	—	—	1	µg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	187	—	—	1	µg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	185	—	—	1	µg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	155	—	—	1	µg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.5	—	—	15	µg/L	Y	J	J	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.4	—	—	15	µg/L	Y	J	J	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.6	—	—	15	µg/L	Y	J	J	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.3	—	—	0.05	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.5	—	—	0.05	mg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.6	—	—	0.05	mg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.3	—	—	0.05	mg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.6	1.44	4.45	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.28	1.8	6.5	—	pCi/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.52	1.4	4.9	—	pCi/L	Y	U	U	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.16	1.4	5	—	pCi/L	Y	U	U	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.492	1.3	4.2	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.942	1.1	3.9	—	pCi/L	Y	U	U	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.87	—	—	0.067	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.75	—	—	0.066	mg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.82	—	—	0.066	mg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.93	—	—	0.066	mg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	N	1.79	—	—	0.066	mg/L	Y	—	U	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.744	1.12	4.21	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.97	1.5	5	—	pCi/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.89	1.3	3.5	—	pCi/L	Y	U	U	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.23	1.4	4.9	—	pCi/L	Y	U	U	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.878	1.3	4.7	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.11	1.1	3.1	—	pCi/L	Y	U	U	09-3133	CAPA-09-12265	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.277	—	—	0.033	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.268	—	—	0.033	mg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.257	—	—	0.033	mg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.289	—	—	0.033	mg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.209	—	—	0.033	mg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.491	0.281	2.27	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	3.19	1.1	2.5	—	pCi/L	Y	—	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.798	0.65	2.2	—	pCi/L	Y	U	U	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.05	0.73	2.3	—	pCi/L	Y	U	U	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.01	0.76	2.6	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.241	0.51	2.1	—	pCi/L	Y	U	U	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.44	0.568	1.71	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.49	0.75	2.3	—	pCi/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.53	1.1	3	—	pCi/L	Y	—	NQ	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	4.35	1	2.4	—	pCi/L	Y	—	NQ	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.33	0.66	2	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.84	1.3	3.2	—	pCi/L	Y	—	NQ	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.4	—	—	0.453	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.2	—	—	0.45	mg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.6	—	—	0.45	mg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.5	—	—	0.45	mg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38	—	—	0.45	mg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	55.9	—	—	30	µg/L	Y	J	J	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.86	—	—	0.11	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.43	—	—	0.11	mg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.61	—	—	0.11	mg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.86	—	—	0.11	mg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.35	—	—	0.11	mg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	81.2	—	—	2	µg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	65.3	—	—	2	µg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	72.7	—	—	2	µg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	75.3	—	—	2	µg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	38.5	—	—	2	µg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.75	—	—	0.165	µg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.4	—	—	0.17	µg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.17	µg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.45	—	—	0.17	µg/L	Y	—	J	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.51	—	—	0.17	µg/L	Y	—	J	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0147	2.37	8.71	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.3	2.6	9.9	—	pCi/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.4	2.7	9.4	—	pCi/L	Y	U	U	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.65	2.6	9.1	—	pCi/L	Y	U	U	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.31	10	34	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	31.9	12	24	—	pCi/L	Y	UI	R	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.89	—	—	0.5	µg/L	Y	J	J	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.89	—	—	0.5	µg/L	Y	J	J	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.64	—	—	0.5	µg/L	Y	J	J	11-2921	CAPA-11-22882	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.13	—	—	0.5	µg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.96	—	—	0.5	µg/L	Y	J	J	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.222	—	—	0.017	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.241	—	—	0.05	mg/L	Y	J	J	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.255	—	—	0.05	mg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.228	—	—	0.1	mg/L	Y	J	J+	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.222	—	—	0.05	mg/L	Y	J	J	11-1182	CAPA-11-3009	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00252	0.00436	0.0286	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00304	0.014	0.053	—	pCi/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00614	0.0068	0.018	—	pCi/L	Y	U	U	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0055	0.02	—	pCi/L	Y	U	U	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00856	0.012	0.042	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00164	0.0016	0.029	—	pCi/L	Y	U	U	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00754	0.00665	0.034	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00913	0.0053	0.051	—	pCi/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.009	0.0055	0.033	—	pCi/L	Y	U	U	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0071	0.03	—	pCi/L	Y	U	U	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00285	0.0029	0.045	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00328	0.0023	0.032	—	pCi/L	Y	U	U	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.47	—	—	0.05	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.22	—	—	0.05	mg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.26	—	—	0.05	mg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.47	—	—	0.05	mg/L	Y	—	J	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.41	—	—	0.05	mg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.86	18.2	66.9	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.59	21	76	—	pCi/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16.4	19	73	—	pCi/L	Y	U	U	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	21.1	16	58	—	pCi/L	Y	U	U	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.531	17	65	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.1	16	54	—	pCi/L	Y	U	U	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.1	—	—	0.053	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.4	—	—	0.053	mg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.4	—	—	0.053	mg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.5	—	—	0.053	mg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79	—	—	0.053	mg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.27	1.36	5.96	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0873	1.3	5	—	pCi/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.546	1	3.1	—	pCi/L	Y	U	U	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.23	1.1	4.2	—	pCi/L	Y	U	U	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.13	1.1	3.5	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.23	1.2	3.4	—	pCi/L	Y	U	U	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	144	—	—	1	µS/cm	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	130	—	—	1	µS/cm	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	132	—	—	1	µS/cm	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	µS/cm	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	—	1	µS/cm	Y	—	NQ	11-1182	CAPA-11-7311	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	239	—	—	1	µg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	200	—	—	1	µg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	212	—	—	1	µg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	210	—	—	1	µg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	176	—	—	1	µg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.419	0.156	0.465	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.373	0.16	0.48	—	pCi/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0172	0.11	0.43	—	pCi/L	Y	U	U	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0438	0.14	0.47	—	pCi/L	Y	U	U	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.134	0.13	0.49	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.12	0.08	0.26	—	pCi/L	Y	U	U	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.62	—	—	0.133	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.75	—	—	0.1	mg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.7	—	—	0.1	mg/L	Y	—	J+	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.85	—	—	0.1	mg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.93	—	—	0.1	mg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	2.4	mg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	142	—	—	2.4	mg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.21	—	—	0.33	mg/L	Y	—	NQ	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.68	—	—	0.33	mg/L	Y	—	NQ	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.43	—	—	0.33	mg/L	Y	—	NQ	11-2921	CAPA-11-22881	GELC
R-20 S2	1147.1	04/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.51	—	—	0.33	mg/L	Y	—	NQ	11-2171	CAPA-11-9314	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.18	—	—	0.33	mg/L	Y	—	NQ	11-1182	CAPA-11-7312	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0786	—	—	0.017	mg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0818	—	—	0.015	mg/L	Y	—	U	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0656	—	—	0.015	mg/L	Y	—	U	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0552	—	—	0.015	mg/L	Y	—	U	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.058	—	—	0.015	mg/L	Y	—	J	11-1182	CAPA-11-3009	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.569	0.715	2.445	—	pCi/L	Y	U	U	2013-127	CAPA-12-23796	ARSL
R-20 S2	1147.1	05/01/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.618	0.673	2.224	—	pCi/L	Y	U	UJ	12-1271	CAPA-12-13226	ARSL
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.25	0.67	2.26	—	pCi/L	Y	U	U	12-244	CAPA-12-1136	ARSL
R-20 S2	1147.1	07/25/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.288	0.6762	2.1574	—	pCi/L	Y	U	U	11-2942	CAPA-11-22881	ARSL
R-20 S2	1147.1	04/25/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.576	0.9016	2.9624	—	pCi/L	Y	U	U	11-2197	CAPA-11-9314	ARSL
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.213	0.0251	0.0469	—	pCi/L	Y	—	NQ	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.186	0.031	0.062	—	pCi/L	Y	—	NQ	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.272	0.039	0.11	—	pCi/L	Y	—	NQ	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.213	0.03	0.087	—	pCi/L	Y	—	NQ	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.279	0.036	0.1	—	pCi/L	Y	—	NQ	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.135	0.025	0.1	—	pCi/L	Y	—	NQ	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00659	0.00807	0.034	—	pCi/L	Y	U	U	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00925	0.0066	0.046	—	pCi/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00741	0.0074	0.041	—	pCi/L	Y	U	U	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00926	0.0066	0.051	—	pCi/L	Y	U	U	10-3926	CAPA-10-24112	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0262	0.01	0.052	—	pCi/L	Y	U	U	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0103	0.006	0.051	—	pCi/L	Y	U	U	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.176	0.0223	0.0319	—	pCi/L	Y	—	NQ	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.176	0.029	0.073	—	pCi/L	Y	—	NQ	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/30/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.116	0.023	0.066	—	pCi/L	Y	—	NQ	10-3926	CAPA-10-24112	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-20 S2	1147.1	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.18	0.027	0.053	—	pCi/L	Y	—	NQ	10-3926	CAPA-10-24110	GELC
R-20 S2	1147.1	12/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.185	0.027	0.062	—	pCi/L	Y	—	NQ	10-779	CAPA-10-6855	GELC
R-20 S2	1147.1	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.139	0.023	0.051	—	pCi/L	Y	—	NQ	09-3133	CAPA-09-12265	GELC
R-20 S2	1147.1	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.07	—	—	1	µg/L	Y	—	NQ	2013-157	CAPA-12-23823	GELC
R-20 S2	1147.1	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.46	—	—	1	µg/L	Y	J	J	12-201	CAPA-12-1138	GELC
R-20 S2	1147.1	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.51	—	—	1	µg/L	Y	J	J	11-2921	CAPA-11-22882	GELC
R-20 S2	1147.1	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.14	—	—	1	µg/L	Y	—	NQ	11-2171	CAPA-11-9312	GELC
R-20 S2	1147.1	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.24	—	—	1	µg/L	Y	—	NQ	11-1182	CAPA-11-7311	GELC
R-20 S2	1147.1	10/17/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.5	—	—	0.3	µg/L	Y	J	J	2013-157	CAPA-12-23796	GELC
R-20 S2	1147.1	05/01/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.7	—	—	0.3	µg/L	Y	J	J	12-1272	CAPA-12-13226	GELC
R-20 S2	1147.1	10/27/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.68	—	—	0.5	µg/L	Y	J	J	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/25/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.63	—	—	0.5	µg/L	Y	J	J	11-2921	CAPA-11-22881	GELC
R-20 S2	1147.1	04/25/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.52	—	—	0.5	µg/L	Y	J	J	11-2171	CAPA-11-9314	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	J-	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	J-	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	J-	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	J-	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.5	—	—	0.725	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56	—	—	0.73	mg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61	—	—	0.73	mg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.5	—	—	0.73	mg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.5	—	—	0.73	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00772	0.00912	0.0446	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00522	0.0083	0.041	—	pCi/L	Y	U	U	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000135	0.0054	0.035	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00223	0.0017	0.023	—	pCi/L	Y	U	U	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00237	0.002	0.033	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.9	—	—	1	µg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.4	—	—	1	µg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.2	—	—	1	µg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.4	—	—	1	µg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14	—	—	1	µg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.7	—	—	15	µg/L	Y	J	J	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.1	—	—	0.05	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.2	—	—	0.05	mg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.991	1.47	5.46	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.575	1.4	4.7	—	pCi/L	Y	U	U	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.12	1.6	5	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.19	0.8	2.5	—	pCi/L	Y	U	U	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.817	1.2	3.8	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.77	—	—	0.067	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.82	—	—	0.066	mg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.82	—	—	0.066	mg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-21	888.8	04/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.8	—	—	0.066	mg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.77	—	—	0.066	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.24	—	—	2	µg/L	Y	J	J	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.36	—	—	2	µg/L	Y	J	J	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.57	—	—	2	µg/L	Y	J	J	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	UN	UJ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.69	1.37	5.15	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.57	1.8	5.7	—	pCi/L	Y	U	U	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.38	1.4	3.9	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.379	0.72	2.4	—	pCi/L	Y	U	U	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.6	1.6	5.4	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.219	—	—	0.033	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.242	—	—	0.033	mg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.249	—	—	0.033	mg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.221	—	—	0.033	mg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.229	—	—	0.033	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.64	0.769	2.08	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.214	0.37	2.2	—	pCi/L	Y	U	U	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.35	0.85	2.7	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.65	0.66	1.7	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC
R-21	888.8	08/20/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.802	0.78	2.72	—	pCi/L	Y	U	U	192106	GU070800G21R01	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.31	0.762	2.32	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.03	0.92	2.5	—	pCi/L	Y	—	NQ	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.124	0.83	2.9	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.29	0.65	2	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC
R-21	888.8	08/20/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.57	1.06	2.96	—	pCi/L	Y	—	J	192106	GU070800G21R01	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.8	—	—	0.453	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.9	—	—	0.45	mg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40	—	—	0.45	mg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.9	—	—	0.45	mg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.9	—	—	0.45	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.27	—	—	0.11	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.25	—	—	0.11	mg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.92	—	—	0.11	mg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.06	—	—	0.11	mg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.83	—	—	0.11	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.35	—	—	0.165	µg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.17	µg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.17	µg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.17	µg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.53	—	—	0.17	µg/L	Y	—	U	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.551	2.76	9.91	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.906	2.4	8.8	—	pCi/L	Y	U	U	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.44	2.9	9.9	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	14.9	6.4	21	—	pCi/L	Y	U	U	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.23	12	37	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.362	—	—	0.017	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.339	—	—	0.05	mg/L	Y	—	J-	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.374	—	—	0.1	mg/L	Y	J	J	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.2	—	—	0.01	mg/L	Y	—	J-	11-2109	CAPA-11-9316	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-21	888.8	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.312	—	—	0.05	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00683	0.0389	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00767	0.0057	0.029	—	pCi/L	Y	U	U	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00665	0.0067	0.03	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00829	0.0042	0.036	—	pCi/L	Y	U	U	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00548	0.0048	0.032	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0137	0.00966	0.0462	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0051	0.04	—	pCi/L	Y	U	U	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0133	0.0074	0.048	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00829	0.0042	0.025	—	pCi/L	Y	U	U	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00548	0.0055	0.036	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.71	—	—	0.05	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.77	—	—	0.05	mg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.78	—	—	0.05	mg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.64	—	—	0.05	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.4	17.9	68.6	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-24.2	17	58	—	pCi/L	Y	U	U	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	30.7	17	64	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	26.3	9.2	33	—	pCi/L	Y	U	U	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.5	20	59	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.8	—	—	0.053	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.2	—	—	0.053	mg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.1	—	—	0.053	mg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.6	—	—	0.053	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.83	—	—	0.1	mg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.46	—	—	0.1	mg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.93	—	—	0.1	mg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.5	—	—	0.1	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.26	1.27	4.33	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.691	1.3	4.7	—	pCi/L	Y	U	U	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.33	1.6	4.7	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.318	0.79	2.5	—	pCi/L	Y	U	U	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.551	1.3	4.4	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	1	µS/cm	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	—	1	µS/cm	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	1	µS/cm	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	122	—	—	1	µS/cm	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	1	µS/cm	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	48.4	—	—	1	µg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	47.8	—	—	1	µg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.4	—	—	1	µg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	45.6	—	—	1	µg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.3	—	—	1	µg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.024	0.128	0.438	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0809	0.14	0.5	—	pCi/L	Y	U	U	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0258	0.13	0.49	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.219	0.12	0.48	—	pCi/L	Y	U	U	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0634	0.074	0.25	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-21	888.8	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.88	—	—	0.133	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.05	—	—	0.1	mg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.9	—	—	0.1	mg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.01	—	—	0.1	mg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.04	—	—	0.1	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	104	—	—	3.4	mg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	2.4	mg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	125	—	—	2.4	mg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.497	—	—	0.33	mg/L	Y	J	J	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.547	—	—	0.33	mg/L	Y	J	J	12-277	CAPA-12-1173	GELC
R-21	888.8	07/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2904	CAPA-11-22884	GELC
R-21	888.8	04/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.462	—	—	0.33	mg/L	Y	J	J	11-2109	CAPA-11-9315	GELC
R-21	888.8	01/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.513	—	—	0.33	mg/L	Y	J	J	11-1225	CAPA-11-3013	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0503	—	—	0.017	mg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0322	—	—	0.015	mg/L	Y	J	U	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0985	—	—	0.015	mg/L	Y	—	U	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.02	0.725	2.462	—	pCi/L	Y	U	U	2013-117	CAMO-12-23858	ARSL
R-21	888.8	05/02/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.027	0.673	2.157	—	pCi/L	Y	U	UJ	12-1290	CAPA-12-13259	ARSL
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.8	0.67	2.19	—	pCi/L	Y	U	U	12-301	CAPA-12-1173	ARSL
R-21	888.8	07/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.8694	0.644	2.1574	—	pCi/L	Y	U	U	11-2942	CAPA-11-22884	ARSL
R-21	888.8	04/19/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.449	0.7406	2.576	—	pCi/L	Y	U	U	11-2207	CAPA-11-9315	ARSL
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.347	—	—	0.067	µg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.327	—	—	0.067	µg/L	Y	—	NQ	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.339	—	—	0.067	µg/L	Y	—	NQ	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.314	—	—	0.067	µg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.361	—	—	0.067	µg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.168	0.0241	0.045	—	pCi/L	Y	—	NQ	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.154	0.023	0.061	—	pCi/L	Y	—	NQ	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.212	0.025	0.056	—	pCi/L	Y	—	NQ	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.252	0.03	0.038	—	pCi/L	Y	—	NQ	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.217	0.031	0.11	—	pCi/L	Y	—	NQ	09-2929	CAMO-09-9908	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0158	0.0105	0.0326	—	pCi/L	Y	U	U	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0118	0.006	0.032	—	pCi/L	Y	U	U	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0166	0.0072	0.026	—	pCi/L	Y	U	U	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0106	0.0054	0.03	—	pCi/L	Y	U	U	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00377	0.0065	0.056	—	pCi/L	Y	U	U	09-2929	CAMO-09-9908	GELC
R-21	888.8	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.12	0.0183	0.0306	—	pCi/L	Y	—	NQ	2013-88	CAMO-12-23858	GELC
R-21	888.8	11/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.105	0.019	0.027	—	pCi/L	Y	—	NQ	12-277	CAPA-12-1173	GELC
R-21	888.8	08/11/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.127	0.018	0.034	—	pCi/L	Y	—	NQ	10-4113	CAPA-10-24115	GELC
R-21	888.8	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.131	0.019	0.027	—	pCi/L	Y	—	NQ	10-2446	CAPA-10-12829	GELC
R-21	888.8	08/18/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.101	0.021	0.056	—	pCi/L	Y	—	NQ	09-2929	CAMO-09-9908	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.35	—	—	1	µg/L	Y	—	NQ	2013-88	CAMO-12-23865	GELC
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.67	—	—	1	µg/L	Y	J	J	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.96	—	—	1	µg/L	Y	J	J	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.14	—	—	1	µg/L	Y	—	NQ	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.17	—	—	1	µg/L	Y	—	NQ	11-1225	CAPA-11-3011	GELC
R-21	888.8	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.72	—	—	3.3	µg/L	Y	J	J	2013-88	CAMO-12-23865	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-21	888.8	11/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-277	CAPA-12-1174	GELC
R-21	888.8	07/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.99	—	—	3.3	µg/L	Y	J	J	11-2904	CAPA-11-22883	GELC
R-21	888.8	04/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2109	CAPA-11-9316	GELC
R-21	888.8	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-1225	CAPA-11-3011	GELC
R-23	816	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	J-	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	J-	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	J-	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	J-	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.8	—	—	0.725	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.9	—	—	0.73	mg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.8	—	—	0.73	mg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.3	—	—	0.73	mg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.2	—	—	0.73	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00842	0.0122	0.0383	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00207	0.0036	0.032	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00772	0.0035	0.032	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00243	0.0044	0.039	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00012	0.003	0.029	—	pCi/L	Y	U	U	10-2336	CAPA-10-12833	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00286	0.0018	0.033	—	pCi/L	Y	U	U	09-3133	CAPA-09-12270	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00286	0.0022	0.029	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.96	—	—	1.7	µg/L	Y	J	J	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	6.79	—	—	1.7	µg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.7	—	—	1	µg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.6	—	—	1	µg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.2	—	—	1	µg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	20.1	—	—	1	µg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21	—	—	1	µg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.8	—	—	15	µg/L	Y	J	J	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.8	—	—	15	µg/L	Y	J	J	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.3	—	—	15	µg/L	Y	J	J	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.094	—	—	0.067	mg/L	Y	J	J	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0907	—	—	0.066	mg/L	Y	J	J-	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0835	—	—	0.066	mg/L	Y	J	J	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.125	—	—	0.066	mg/L	Y	J	J	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.8	—	—	0.05	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.3	—	—	0.05	mg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.1	—	—	0.05	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.264	1.61	6.04	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.65	1.8	7.1	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.96	1.6	5.1	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0332	1.2	4	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.639	1.5	5	—	pCi/L	Y	U	U	10-2336	CAPA-10-12833	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.68	1.2	3.5	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.154	1	3.3	—	pCi/L	Y	U	U	09-3133	CAPA-09-12270	GELC
R-23	816	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.29	—	—	0.067	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.43	—	—	0.066	mg/L	Y	—	J-	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.56	—	—	0.066	mg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.55	—	—	0.066	mg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.48	—	—	0.066	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.83	1.71	7.77	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.11	1.7	5.7	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.764	1.4	4.1	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0605	1.5	4.9	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.623	1.5	4.9	—	pCi/L	Y	U	U	10-2336	CAPA-10-12833	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.04	1.1	3.8	—	pCi/L	Y	U	U	09-3133	CAPA-09-12270	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.907	0.94	2.9	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.173	—	—	0.033	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.365	—	—	0.033	mg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.354	—	—	0.033	mg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.291	—	—	0.033	mg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.327	—	—	0.033	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.183	0.533	2.65	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.155	0.42	2.1	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.437	0.57	2.3	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.557	0.52	1.9	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.41	1.1	2.1	—	pCi/L	Y	—	NQ	09-3133	CAPA-09-12270	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.01	0.79	2.7	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	06/04/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.389	0.47	1.7	—	pCi/L	Y	U	U	09-2194	CAPA-09-9417	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.82	0.713	2.15	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.489	0.6	2.1	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.19	0.9	2.7	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.02	0.85	2.9	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.737	0.83	2.9	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.68	0.89	2.4	—	pCi/L	Y	—	NQ	09-3133	CAPA-09-12270	GELC
R-23	816	06/04/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.23	0.71	2.3	—	pCi/L	Y	U	U	09-2194	CAPA-09-9417	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.1	—	—	0.453	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.3	—	—	0.45	mg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.7	—	—	0.45	mg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.1	—	—	0.45	mg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.1	—	—	0.45	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.54	—	—	0.11	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.92	—	—	0.11	mg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.08	—	—	0.11	mg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4	—	—	0.11	mg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.86	—	—	0.11	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.62	—	—	0.165	µg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.69	—	—	0.17	µg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.17	µg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.17	µg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.76	—	—	0.17	µg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.511	2.89	10.2	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.93	3.3	12	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.616	3.4	11	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.36	2.5	7.5	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.9	11	36	—	pCi/L	Y	U	U	10-2336	CAPA-10-12833	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	8.83	9.2	30	—	pCi/L	Y	U	U	09-3133	CAPA-09-12270	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-9.43	12	33	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.2	—	—	0.085	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.25	—	—	0.05	mg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.24	—	—	0.05	mg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.13	—	—	0.1	mg/L	Y	—	J-	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.1	—	—	0.05	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00383	0.00855	0.0435	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00266	0.008	0.046	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.001	0.004	0.022	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00669	0.0095	0.03	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00719	0.014	0.042	—	pCi/L	Y	U	U	10-2336	CAPA-10-12833	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0016	0.027	—	pCi/L	Y	U	U	09-3133	CAPA-09-12270	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00159	0.0023	0.028	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00765	0.00937	0.0517	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0038	0.045	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0566	0.014	0.036	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.01	0.0058	0.049	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00479	0.0059	0.029	—	pCi/L	Y	U	U	10-2336	CAPA-10-12833	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00159	0.0023	0.031	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00622	0.0031	0.031	—	pCi/L	Y	U	U	09-3133	CAPA-09-12270	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.9	—	—	0.05	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.76	—	—	0.05	mg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.93	—	—	0.05	mg/L	Y	—	J	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.85	—	—	0.05	mg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.9	—	—	0.05	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.2	24.4	93.2	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.4	21	74	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.76	15	52	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	29.2	20	78	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35.1	19	70	—	pCi/L	Y	U	U	10-2336	CAPA-10-12833	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.15	16	54	—	pCi/L	Y	U	U	09-3133	CAPA-09-12270	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-25.5	15	45	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.6	—	—	0.053	mg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.7	—	—	0.053	mg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60	—	—	0.053	mg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65	—	—	0.053	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.915	1.78	6.53	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.92	1.5	3.9	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	2.15	1.7	6.3	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.39	1.2	2.8	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.22	1.5	4.2	—	pCi/L	Y	U	U	10-2336	CAPA-10-12833	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.24	0.99	3	—	pCi/L	Y	U	U	09-3133	CAPA-09-12270	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.29	1.1	3.5	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	168	—	—	1	µS/cm	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	164	—	—	1	µS/cm	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	161	—	—	1	µS/cm	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	164	—	—	1	µS/cm	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	—	1	µS/cm	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	86.7	—	—	1	µg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	79.9	—	—	1	µg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	82.5	—	—	1	µg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	76.8	—	—	1	µg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	79.6	—	—	1	µg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.119	0.139	0.496	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0278	0.13	0.47	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.139	0.11	0.36	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.161	0.14	0.49	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0287	0.13	0.48	—	pCi/L	Y	U	U	10-2336	CAPA-10-12833	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0514	0.093	0.31	—	pCi/L	Y	U	U	09-3133	CAPA-09-12270	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0421	0.076	0.26	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.64	—	—	0.133	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.13	—	—	0.1	mg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.05	—	—	0.1	mg/L	Y	—	J+	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.17	—	—	0.1	mg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.27	—	—	0.1	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	2.4	mg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	2.4	mg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.886	—	—	0.33	mg/L	Y	J	J	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.39	—	—	0.33	mg/L	Y	—	NQ	12-186	CAPA-12-1139	GELC
R-23	816	07/22/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.38	—	—	0.33	mg/L	Y	—	NQ	11-2911	CAPA-11-22870	GELC
R-23	816	04/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.73	—	—	0.33	mg/L	Y	—	NQ	11-2091	CAPA-11-9588	GELC
R-23	816	01/24/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.62	—	—	0.33	mg/L	Y	—	NQ	11-1198	CAPA-11-2976	GELC
R-23	816	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0689	—	—	0.017	mg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0691	—	—	0.015	mg/L	Y	—	U	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.137	—	—	0.015	mg/L	Y	—	J	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.717	0.695	2.303	—	pCi/L	Y	U	U	2013-74	CAPA-12-23797	ARSL
R-23	816	04/30/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.242	0.639	2.152	—	pCi/L	Y	U	UJ	12-1260	CAPA-12-13227	ARSL
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.16	0.65	2.2	—	pCi/L	Y	U	U	12-244	CAPA-12-1139	ARSL
R-23	816	07/22/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.2236	0.7728	2.5116	—	pCi/L	Y	U	U	11-2942	CAPA-11-22870	ARSL
R-23	816	04/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.2558	0.7406	2.5116	—	pCi/L	Y	U	U	11-2197	CAPA-11-9588	ARSL
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.434	—	—	0.067	µg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.443	—	—	0.067	µg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.479	—	—	0.067	µg/L	Y	—	NQ	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.411	—	—	0.067	µg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.488	—	—	0.067	µg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.312	0.0271	0.0357	—	pCi/L	Y	—	J	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.342	0.044	0.06	—	pCi/L	Y	—	NQ	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.358	0.036	0.052	—	pCi/L	Y	—	NQ	10-4140	CAPA-10-24120	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.322	0.033	0.053	—	pCi/L	Y	—	NQ	10-4140	CAPA-10-24119	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.357	0.039	0.043	—	pCi/L	Y	—	NQ	10-2336	CAPA-10-12833	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.366	0.042	0.11	—	pCi/L	Y	—	NQ	09-3133	CAPA-09-12270	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.281	0.033	0.094	—	pCi/L	Y	—	NQ	09-3133	CAPA-09-12273	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00251	0.00561	0.0259	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00893	0.0063	0.044	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0176	0.0063	0.024	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0314	0.0087	0.025	—	pCi/L	Y	—	NQ	10-4140	CAPA-10-24119	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0209	0.008	0.034	—	pCi/L	Y	U	U	10-2336	CAPA-10-12833	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00634	0.0064	0.047	—	pCi/L	Y	U	U	09-3133	CAPA-09-12273	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0074	0.055	—	pCi/L	Y	U	U	09-3133	CAPA-09-12270	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.168	0.0191	0.0243	—	pCi/L	Y	—	J	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.162	0.027	0.071	—	pCi/L	Y	—	NQ	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.164	0.021	0.031	—	pCi/L	Y	—	NQ	10-4140	CAPA-10-24120	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.192	0.023	0.032	—	pCi/L	Y	—	NQ	10-4140	CAPA-10-24119	GELC
R-23	816	03/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.164	0.024	0.03	—	pCi/L	Y	—	NQ	10-2336	CAPA-10-12833	GELC
R-23	816	09/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.183	0.027	0.055	—	pCi/L	Y	—	NQ	09-3133	CAPA-09-12270	GELC
R-23	816	09/03/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.136	0.022	0.047	—	pCi/L	Y	—	NQ	09-3133	CAPA-09-12273	GELC
R-23	816	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.69	—	—	1	µg/L	Y	—	NQ	2013-70	CAPA-12-23824	GELC
R-23	816	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.36	—	—	1	µg/L	Y	—	NQ	12-187	CAPA-12-1140	GELC
R-23	816	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.36	—	—	1	µg/L	Y	—	J	11-2911	CAPA-11-22868	GELC
R-23	816	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.19	—	—	1	µg/L	Y	—	NQ	11-2091	CAPA-11-9586	GELC
R-23	816	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.06	—	—	1	µg/L	Y	—	NQ	11-1198	CAPA-11-2977	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.79	—	—	0.01	SU	Y	H	J-	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.83	—	—	0.01	SU	Y	H	J-	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.39	—	—	0.01	SU	Y	H	J-	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.81	—	—	0.01	SU	Y	H	J-	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	108	—	—	0.725	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	108	—	—	0.725	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	101	—	—	0.73	mg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	101	—	—	0.73	mg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97.6	—	—	0.73	mg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	99.7	—	—	0.73	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00937	0.00574	0.032	—	pCi/L	Y	U	U	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00232	0.0052	0.0317	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00223	0.0039	0.035	—	pCi/L	Y	U	U	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0033	0.0043	0.062	—	pCi/L	Y	U	U	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000413	0.0028	0.026	—	pCi/L	Y	U	U	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00879	0.0041	0.025	—	pCi/L	Y	U	U	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	—	0.017	mg/L	Y	U	U	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0727	—	—	0.017	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0322	—	—	0.016	mg/L	Y	J	J+	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.105	—	—	0.016	mg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	56.5	—	—	1	µg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	57.2	—	—	1	µg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	55.6	—	—	1	µg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	54.1	—	—	1	µg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	52.9	—	—	1	µg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	54.9	—	—	1	µg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.9	—	—	15	µg/L	Y	J	J	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	16.2	—	—	15	µg/L	Y	J	J	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.3	—	—	15	µg/L	Y	J	J	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15	—	—	15	µg/L	Y	J	J	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.086	—	—	0.067	mg/L	Y	J	J	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0954	—	—	0.067	mg/L	Y	J	J	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.105	—	—	0.066	mg/L	Y	J	J-	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0959	—	—	0.066	mg/L	Y	J	J	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.104	—	—	0.066	mg/L	Y	J	J	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	28.3	—	—	0.05	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	28.1	—	—	0.05	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	26.9	—	—	0.05	mg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	28.5	—	—	0.05	mg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	26.8	—	—	0.05	mg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	26.9	—	—	0.05	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.08	1.21	4.12	—	pCi/L	Y	U	U	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.8	1.33	3.89	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.896	1.4	5	—	pCi/L	Y	U	U	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.211	1.5	4.9	—	pCi/L	Y	U	U	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.04	1.4	4	—	pCi/L	Y	U	U	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.719	0.87	2.9	—	pCi/L	Y	U	U	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17.5	—	—	0.067	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17.3	—	—	0.067	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	15.8	—	—	0.066	mg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.2	—	—	0.066	mg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.66	—	—	0.066	mg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17.8	—	—	0.066	mg/L	Y	—	J+	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.36	—	—	2	µg/L	Y	J	J	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.15	—	—	2	µg/L	Y	J	J	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.99	1.32	5.28	—	pCi/L	Y	U	U	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.309	0.964	3.64	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.9	1.3	5.2	—	pCi/L	Y	U	U	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.9	1.9	5.1	—	pCi/L	Y	U	U	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0855	1.3	4.2	—	pCi/L	Y	U	U	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.663	0.86	2.7	—	pCi/L	Y	U	U	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Copper	Cu	Y	4.41	—	—	3	µg/L	Y	J	J	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	3.82	—	—	3	µg/L	Y	J	J	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.23	—	—	0.033	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.222	—	—	0.033	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.204	—	—	0.033	mg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.199	—	—	0.033	mg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.269	—	—	0.033	mg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.222	—	—	0.033	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.16	0.783	2.59	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	2.93	1.01	2.24	—	pCi/L	Y	—	U	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.49	0.8	2.3	—	pCi/L	Y	U	UJ	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.14	0.71	2.1	—	pCi/L	Y	U	U	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.616	0.7	2.6	—	pCi/L	Y	U	U	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.87	1	2.1	—	pCi/L	Y	—	U	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	4	0.904	2.31	—	pCi/L	Y	—	NQ	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.24	0.897	2.17	—	pCi/L	Y	—	NQ	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.78	0.8	2.1	—	pCi/L	Y	—	NQ	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.72	1	2.9	—	pCi/L	Y	—	NQ	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.4	1.1	2.8	—	pCi/L	Y	—	NQ	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.12	0.96	2.4	—	pCi/L	Y	—	NQ	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	110	—	—	0.453	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	111	—	—	0.453	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	106	—	—	0.45	mg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	109	—	—	0.45	mg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	105	—	—	0.45	mg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	107	—	—	0.35	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.67	—	—	0.11	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.81	—	—	0.11	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.47	—	—	0.11	mg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.25	—	—	0.11	mg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.29	—	—	0.11	mg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.74	—	—	0.085	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.96	2.41	7.91	—	pCi/L	Y	U	U	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.35	1.87	6.73	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.37	2.9	11	—	pCi/L	Y	U	U	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.16	3.5	12	—	pCi/L	Y	U	U	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.33	2.6	7.7	—	pCi/L	Y	U	U	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	12.1	6.1	20	—	pCi/L	Y	U	U	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.43	—	—	0.5	µg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.45	—	—	0.5	µg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.85	—	—	0.5	µg/L	Y	J	J	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.596	—	—	0.5	µg/L	Y	J	J	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.724	—	—	0.5	µg/L	Y	J	J	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.08	—	—	0.5	µg/L	Y	J	J	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.6	—	—	0.085	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.58	—	—	0.085	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.59	—	—	0.05	mg/L	Y	H	J-	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.58	—	—	0.05	mg/L	Y	—	J-	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.404	—	—	0.01	mg/L	Y	—	J-	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.56	—	—	0.05	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00256	0.00444	0.0292	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00486	0.00486	0.0276	—	pCi/L	Y	U	U	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0113	0.01	0.026	—	pCi/L	Y	U	U	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-4.7E-10	0.0039	0.022	—	pCi/L	Y	U	U	10-4078	CAPA-10-24089	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00413	0.0072	0.031	—	pCi/L	Y	U	U	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0138	0.0065	0.04	—	pCi/L	Y	U	U	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00243	0.00543	0.0328	—	pCi/L	Y	U	U	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00628	0.0347	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00226	0.0032	0.036	—	pCi/L	Y	U	U	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00197	0.0059	0.032	—	pCi/L	Y	U	U	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00413	0.0065	0.029	—	pCi/L	Y	U	U	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00918	0.0046	0.028	—	pCi/L	Y	U	U	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.59	—	—	0.05	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.65	—	—	0.05	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.59	—	—	0.05	mg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.66	—	—	0.05	mg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.72	—	—	0.05	mg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.93	—	—	0.05	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.12	12.6	45.5	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	18.6	17.2	37.9	—	pCi/L	Y	U	U	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	34.2	19	79	—	pCi/L	Y	U	U	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	31.5	22	81	—	pCi/L	Y	U	U	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.5	15	55	—	pCi/L	Y	U	U	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.58	13	39	—	pCi/L	Y	U	U	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	52.6	—	—	0.053	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	52.2	—	—	0.053	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	51.8	—	—	0.053	mg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	53.1	—	—	0.053	mg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	50.7	—	—	0.053	mg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	51.1	—	—	0.053	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.4	—	—	0.1	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.2	—	—	0.1	mg/L	Y	N	J-	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.5	—	—	0.1	mg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.5	—	—	0.1	mg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.1	—	—	0.1	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.16	1.27	4.83	—	pCi/L	Y	U	U	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.922	0.933	3.67	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.27	1.4	4	—	pCi/L	Y	U	U	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.296	1.8	6	—	pCi/L	Y	U	U	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.306	0.9	3.1	—	pCi/L	Y	U	U	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.491	0.95	3.1	—	pCi/L	Y	U	U	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	303	—	—	1	µS/cm	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	293	—	—	1	µS/cm	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	288	—	—	1	µS/cm	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	271	—	—	1	µS/cm	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	272	—	—	1	µS/cm	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	289	—	—	1	µS/cm	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	172	—	—	1	µg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	172	—	—	1	µg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	161	—	—	1	µg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	164	—	—	1	µg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	158	—	—	1	µg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	169	—	—	1	µg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0678	0.126	0.487	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.249	0.149	0.491	—	pCi/L	Y	U	U	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0593	0.13	0.48	—	pCi/L	Y	U	U	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.431	0.15	0.45	—	pCi/L	Y	U	U	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.178	0.14	0.48	—	pCi/L	Y	U	U	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.201	0.15	0.49	—	pCi/L	Y	U	U	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.7	—	—	0.133	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.8	—	—	0.133	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.3	—	—	0.1	mg/L	Y	—	J+	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.1	—	—	0.1	mg/L	Y	—	J+	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.82	—	—	0.1	mg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.2	—	—	0.1	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	206	—	—	3.4	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	—	—	3.4	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197	—	—	3.4	mg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	194	—	—	3.4	mg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	190	—	—	2.4	mg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	2.4	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.961	—	—	0.33	mg/L	Y	J	J	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.941	—	—	0.33	mg/L	Y	J	J	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.753	—	—	0.33	mg/L	Y	J	J	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	07/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.523	—	—	0.33	mg/L	Y	J	J	11-2928	CAPA-11-22843	GELC
R-23i S1	400.3	04/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.512	—	—	0.33	mg/L	Y	J	J	11-2231	CAPA-11-9568	GELC
R-23i S1	400.3	01/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.701	—	—	0.33	mg/L	Y	J	J	11-1105	CAPA-11-2958	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0907	—	—	0.017	mg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0856	—	—	0.017	mg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0373	—	—	0.015	mg/L	Y	J	J	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0748	—	—	0.015	mg/L	Y	—	U	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0598	—	—	0.015	mg/L	Y	—	U	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.106	—	—	0.015	mg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	N	46.7	34.3	115	—	pCi/L	Y	U	U	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	35.8	33.7	115	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	78.9	54	180	—	pCi/L	Y	U	U	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	04/28/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	65.5914	9.9498	1.9642	—	pCi/L	Y	—	NQ	11-2264	CAPA-11-9568	ARSL
R-23i S1	400.3	10/21/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	106.163	16.0034	2.415	—	pCi/L	Y	—	NQ	11-304	CAPA-10-26931	ARSL
R-23i S1	400.3	10/21/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	99.7234	15.0374	2.2862	—	pCi/L	N	—	R	11-304	CAPA-10-26931	ARSL
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	94.6358	14.2646	1.9642	—	pCi/L	N	—	R	10-3425	CAPA-10-17584	ARSL
R-23i S1	400.3	06/15/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	94.8934	14.2646	1.9642	—	pCi/L	Y	—	NQ	10-3425	CAPA-10-17584	ARSL
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.958	—	—	0.067	µg/L	Y	—	NQ	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.98	—	—	0.067	µg/L	Y	—	NQ	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.877	—	—	0.067	µg/L	Y	—	NQ	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.737	—	—	0.067	µg/L	Y	—	NQ	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.784	—	—	0.067	µg/L	Y	—	NQ	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.968	—	—	0.067	µg/L	Y	—	NQ	11-1105	CAPA-11-2957	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.563	0.0405	0.0483	—	pCi/L	Y	—	J	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.544	0.0414	0.0508	—	pCi/L	Y	—	NQ	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.497	0.05	0.063	—	pCi/L	Y	—	NQ	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.371	0.044	0.088	—	pCi/L	Y	—	NQ	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.455	0.049	0.065	—	pCi/L	Y	—	NQ	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.515	0.047	0.03	—	pCi/L	Y	—	NQ	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0136	0.00831	0.035	—	pCi/L	Y	U	U	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00357	0.00799	0.0369	—	pCi/L	Y	U	U	2013-56	CAPA-12-23762	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00308	0.0069	0.033	—	pCi/L	Y	U	U	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.015	0.011	0.042	—	pCi/L	Y	U	U	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0111	0.0065	0.044	—	pCi/L	Y	U	U	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.021	0.0068	0.024	—	pCi/L	Y	U	U	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.294	0.0289	0.0328	—	pCi/L	Y	—	J	2013-56	CAPA-12-23798	GELC
R-23i S1	400.3	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.367	0.0331	0.0346	—	pCi/L	Y	—	NQ	2013-56	CAPA-12-23762	GELC
R-23i S1	400.3	11/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.287	0.034	0.028	—	pCi/L	Y	—	NQ	12-283	CAPA-12-1113	GELC
R-23i S1	400.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.219	0.031	0.053	—	pCi/L	Y	—	NQ	10-4078	CAPA-10-24089	GELC
R-23i S1	400.3	06/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.186	0.027	0.049	—	pCi/L	Y	—	NQ	10-3424	CAPA-10-17584	GELC
R-23i S1	400.3	03/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.267	0.028	0.021	—	pCi/L	Y	—	NQ	10-2402	CAPA-10-12894	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.01	—	—	3.3	µg/L	Y	J	J	2013-56	CAPA-12-23765	GELC
R-23i S1	400.3	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.34	—	—	3.3	µg/L	Y	J	J	2013-56	CAPA-12-23825	GELC
R-23i S1	400.3	11/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-283	CAPA-12-1114	GELC
R-23i S1	400.3	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2928	CAPA-11-22841	GELC
R-23i S1	400.3	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2231	CAPA-11-9570	GELC
R-23i S1	400.3	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.96	—	—	3.3	µg/L	Y	J	J	11-1105	CAPA-11-2957	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.2	—	—	0.01	SU	Y	H	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	J-	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	J-	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	J-	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.15	—	—	0.01	SU	Y	H	J-	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81	—	—	0.725	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.3	—	—	0.73	mg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.2	—	—	0.73	mg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77	—	—	0.73	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.4	—	—	0.73	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00501	0.0342	—	pCi/L	Y	U	U	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0028	0.032	—	pCi/L	Y	U	U	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00928	0.0048	0.037	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0033	0.0045	0.022	—	pCi/L	Y	U	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	8.76E-05	0.0023	0.031	—	pCi/L	Y	U	U	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	8.71	—	—	1	µg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	8.77	—	—	1	µg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	8.99	—	—	1	µg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	8.88	—	—	1	µg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	9.34	—	—	1	µg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.8	—	—	15	µg/L	Y	J	J	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15	—	—	15	µg/L	Y	J	J	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.8	—	—	15	µg/L	Y	J	J	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.2	—	—	0.05	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.9	—	—	0.05	mg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.3	—	—	0.05	mg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.7	—	—	0.05	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.9	—	—	0.05	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.972	1.28	4.94	—	pCi/L	Y	U	U	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.669	1.4	5.3	—	pCi/L	Y	U	U	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.342	0.97	3.2	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.131	1.1	3.8	—	pCi/L	Y	U	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.846	0.75	2.3	—	pCi/L	Y	U	U	10-2393	CAPA-10-12899	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.47	—	—	0.067	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.6	—	—	0.066	mg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.97	—	—	0.066	mg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.76	—	—	0.066	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.2	—	—	0.066	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.483	1.47	5.46	—	pCi/L	Y	U	U	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.07	1.5	6.1	—	pCi/L	Y	U	U	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.14	0.97	3.6	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.35	1.2	3.8	—	pCi/L	Y	U	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.81	0.76	2.6	—	pCi/L	Y	U	U	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.208	—	—	0.033	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.26	—	—	0.033	mg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.205	—	—	0.033	mg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.233	—	—	0.033	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.21	—	—	0.033	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	6.93E-05	0.384	2.05	—	pCi/L	Y	U	U	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.31	0.78	2.4	—	pCi/L	Y	U	U	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.615	0.61	2.3	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.63	0.92	2.8	—	pCi/L	Y	U	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.579	0.65	2.4	—	pCi/L	Y	U	U	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.15	0.792	2.2	—	pCi/L	Y	—	NQ	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.64	1.1	2.2	—	pCi/L	Y	—	NQ	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.17	0.9	2.8	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.17	0.74	2.1	—	pCi/L	Y	—	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.79	0.89	2.7	—	pCi/L	Y	—	NQ	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	77.7	—	—	0.453	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	78	—	—	0.45	mg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	80.1	—	—	0.45	mg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.5	—	—	0.45	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.3	—	—	0.45	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6	—	—	0.11	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.66	—	—	0.11	mg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.89	—	—	0.11	mg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.81	—	—	0.11	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.62	—	—	0.11	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.54	—	—	0.165	µg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.69	—	—	0.17	µg/L	Y	—	J	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.62	—	—	0.17	µg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.59	—	—	0.17	µg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.65	—	—	0.17	µg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.05	2.72	9.48	—	pCi/L	Y	U	U	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.755	3.1	11	—	pCi/L	Y	U	U	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.511	2	6.7	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.93	2.6	8.5	—	pCi/L	Y	U	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-14.5	5.8	16	—	pCi/L	Y	U	U	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.919	—	—	0.5	µg/L	Y	J	J	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.83	—	—	0.5	µg/L	Y	J	J	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.94	—	—	0.5	µg/L	Y	J	J	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.553	—	—	0.5	µg/L	Y	J	J	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.908	—	—	0.5	µg/L	Y	J	J	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.865	—	—	0.085	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.851	—	—	0.1	mg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.89	—	—	0.05	mg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.635	—	—	0.01	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.77	—	—	0.05	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00575	0.0267	—	pCi/L	Y	U	U	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0101	0.0049	0.035	—	pCi/L	Y	U	U	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00207	0.0021	0.018	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00223	0.0032	0.034	—	pCi/L	Y	U	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00658	0.0066	0.038	—	pCi/L	Y	U	U	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00704	0.00525	0.0317	—	pCi/L	Y	U	U	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00605	0.0053	0.034	—	pCi/L	Y	U	U	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0062	0.0046	0.03	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00223	0.005	0.031	—	pCi/L	Y	U	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00219	0.0066	0.027	—	pCi/L	Y	U	U	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.65	—	—	0.05	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.59	—	—	0.05	mg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.58	—	—	0.05	mg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.35	—	—	0.05	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.57	—	—	0.05	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.639	14.7	61.2	—	pCi/L	Y	U	U	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18.4	17	45	—	pCi/L	Y	U	U	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	49.7	12	50	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.9	17	57	—	pCi/L	Y	U	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.69	11	36	—	pCi/L	Y	U	U	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	45.9	—	—	0.053	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43.8	—	—	0.053	mg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	45.4	—	—	0.053	mg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.9	—	—	0.053	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43.2	—	—	0.053	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.31	1.3	4.62	—	pCi/L	Y	U	U	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.17	1.5	5.1	—	pCi/L	Y	U	U	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.11	1.1	3.8	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.275	1.1	3.9	—	pCi/L	Y	U	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.559	0.78	2.6	—	pCi/L	Y	U	U	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	207	—	—	1	µS/cm	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	203	—	—	1	µS/cm	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	199	—	—	1	µS/cm	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	203	—	—	1	µS/cm	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	204	—	—	1	µS/cm	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	98.2	—	—	1	µg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	97.1	—	—	1	µg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	98.4	—	—	1	µg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	90.9	—	—	1	µg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	92.5	—	—	1	µg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0118	0.105	0.362	—	pCi/L	Y	U	U	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0162	0.14	0.5	—	pCi/L	Y	U	U	12-133	CAPA-12-1119	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.135	0.14	0.5	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.059	0.14	0.48	—	pCi/L	Y	U	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.177	0.13	0.49	—	pCi/L	Y	U	U	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.27	—	—	0.133	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.57	—	—	0.1	mg/L	Y	—	J+	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.38	—	—	0.1	mg/L	Y	—	NQ	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.75	—	—	0.1	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.92	—	—	0.1	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	J	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	J	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	2.4	mg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	128	—	—	2.4	mg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.782	—	—	0.33	mg/L	Y	J	J	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.502	—	—	0.33	mg/L	Y	J	U	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	07/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.479	—	—	0.33	mg/L	Y	J	J	11-2932	CAPA-11-22677	GELC
R-23i S2	470.2	05/03/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.08	—	—	0.33	mg/L	Y	—	NQ	11-2284	CAPA-11-9574	GELC
R-23i S2	470.2	01/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.726	—	—	0.33	mg/L	Y	J	J	11-1130	CAPA-11-2962	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0662	—	—	0.017	mg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0556	—	—	0.015	mg/L	Y	—	U	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.152	—	—	0.015	mg/L	Y	—	J	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0717	—	—	0.015	mg/L	Y	—	U	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	16.208	2.613	2.369	—	pCi/L	Y	—	J-	2013-131	CAPA-12-23799	ARSL
R-23i S2	470.2	05/01/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	23.128	3.615	2.246	—	pCi/L	Y	—	J-	12-1271	CAPA-12-13229	ARSL
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	21.48	3.37	2.19	—	pCi/L	Y	—	NQ	12-171	CAPA-12-1119	ARSL
R-23i S2	470.2	05/03/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	19.6098	3.1556	2.8014	—	pCi/L	Y	—	NQ	11-2438	CAPA-11-9574	ARSL
R-23i S2	470.2	10/18/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	30.6222	4.7334	2.4472	—	pCi/L	Y	—	NQ	11-195	CAPA-10-26945	ARSL
R-23i S2	470.2	10/18/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	30.9442	4.7656	2.4472	—	pCi/L	N	—	R	11-195	CAPA-10-26945	ARSL
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.719	—	—	0.067	µg/L	Y	—	NQ	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.653	—	—	0.067	µg/L	Y	—	NQ	12-133	CAPA-12-1117	GELC
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.713	—	—	0.067	µg/L	Y	—	U	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.706	—	—	0.067	µg/L	Y	—	NQ	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.784	—	—	0.067	µg/L	Y	—	NQ	11-1130	CAPA-11-2963	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.352	0.0337	0.05	—	pCi/L	Y	—	NQ	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.417	0.043	0.037	—	pCi/L	Y	—	NQ	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.564	0.065	0.12	—	pCi/L	Y	—	NQ	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.484	0.05	0.056	—	pCi/L	Y	—	NQ	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.685	0.064	0.043	—	pCi/L	Y	—	NQ	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.014	0.0086	0.0363	—	pCi/L	Y	U	U	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00551	0.0068	0.027	—	pCi/L	Y	U	U	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0102	0.01	0.056	—	pCi/L	Y	U	U	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0284	0.0097	0.038	—	pCi/L	Y	U	U	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0241	0.0087	0.034	—	pCi/L	Y	U	U	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.227	0.0257	0.034	—	pCi/L	Y	—	NQ	2013-156	CAPA-12-23799	GELC
R-23i S2	470.2	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.196	0.026	0.044	—	pCi/L	Y	—	NQ	12-133	CAPA-12-1119	GELC
R-23i S2	470.2	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.313	0.044	0.072	—	pCi/L	Y	—	NQ	10-3999	CAPA-10-24083	GELC
R-23i S2	470.2	06/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.238	0.03	0.042	—	pCi/L	Y	—	NQ	10-3451	CAPA-10-17577	GELC
R-23i S2	470.2	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.344	0.038	0.031	—	pCi/L	Y	—	NQ	10-2393	CAPA-10-12899	GELC
R-23i S2	470.2	10/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.65	—	—	1	µg/L	Y	J	J	2013-156	CAPA-12-23826	GELC
R-23i S2	470.2	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.14	—	—	1	µg/L	Y	J	J	12-133	CAPA-12-1117	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S2	470.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.19	—	—	1	µg/L	Y	J	J	11-2932	CAPA-11-22679	GELC
R-23i S2	470.2	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.45	—	—	1	µg/L	Y	J	J	11-2284	CAPA-11-9573	GELC
R-23i S2	470.2	01/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.31	—	—	1	µg/L	Y	J	J	11-1130	CAPA-11-2963	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	0.01	SU	Y	H	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	—	—	0.01	SU	Y	H	J-	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.15	—	—	0.01	SU	Y	H	J-	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	J-	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	J-	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	J-	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.4	—	—	0.725	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.7	—	—	0.73	mg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77	—	—	0.73	mg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.5	—	—	0.73	mg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.5	—	—	0.73	mg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.2	—	—	0.73	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00961	0.00847	0.0437	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00342	0.0024	0.027	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0101	0.0044	0.039	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00984	0.0038	0.02	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00447	0.0032	0.03	—	pCi/L	Y	U	U	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	7.85	—	—	1	µg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	7.42	—	—	1	µg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	7.17	—	—	1	µg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	7.31	—	—	1	µg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	7.51	—	—	1	µg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	8.46	—	—	1	µg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.2	—	—	15	µg/L	Y	J	J	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.1	—	—	15	µg/L	Y	J	J	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.6	—	—	15	µg/L	Y	J	J	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.1	—	—	0.05	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.4	—	—	0.05	mg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.6	—	—	0.05	mg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.2	—	—	0.05	mg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.2	—	—	0.05	mg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21	—	—	0.05	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.944	1.52	5.47	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.52	1.7	5.4	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.375	1.2	4	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.16	1.2	3.7	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.457	1.8	5.6	—	pCi/L	Y	U	U	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.52	—	—	0.067	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.86	—	—	0.066	mg/L	Y	—	J-	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.25	—	—	0.066	mg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.25	—	—	0.066	mg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.12	—	—	0.066	mg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.27	—	—	0.066	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.133	1.59	6.06	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.6	1.7	7.5	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.14	1.1	3.3	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.351	1.2	3.7	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.148	1.6	5.2	—	pCi/L	Y	U	U	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.317	—	—	0.033	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.222	—	—	0.033	mg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.208	—	—	0.033	mg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.207	—	—	0.033	mg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.189	—	—	0.033	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.509	0.643	2.44	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.36	0.8	2.3	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0806	0.48	2.3	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.787	0.51	2.8	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.989	0.67	2.1	—	pCi/L	Y	U	U	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.6	0.758	2.28	—	pCi/L	Y	—	NQ	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.943	0.67	2.2	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.68	0.92	2.6	—	pCi/L	Y	—	NQ	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.26	0.74	2.4	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.53	0.94	2.4	—	pCi/L	Y	—	NQ	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.3	—	—	0.453	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.7	—	—	0.45	mg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	77.3	—	—	0.45	mg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	74.6	—	—	0.45	mg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.8	—	—	0.45	mg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.3	—	—	0.45	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.37	—	—	0.11	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.5	—	—	0.11	mg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.93	—	—	0.11	mg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.66	—	—	0.11	mg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.82	—	—	0.11	mg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.81	—	—	0.11	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.41	—	—	0.165	µg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.61	—	—	0.17	µg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.37	—	—	0.17	µg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.41	—	—	0.17	µg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.17	µg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.54	—	—	0.17	µg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.09	3.25	10.9	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.67	2.9	9.9	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.02	2.2	6.5	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.0543	2.4	7.6	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.54	11	35	—	pCi/L	Y	U	U	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.931	—	—	0.5	µg/L	Y	J	J	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.986	—	—	0.5	µg/L	Y	J	J	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.06	—	—	0.5	µg/L	Y	J	J	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.1	—	—	0.5	µg/L	Y	J	J	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.08	—	—	0.5	µg/L	Y	J	J	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2.33	—	—	0.5	µg/L	Y	—	U	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.895	—	—	0.085	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.95	—	—	0.05	mg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.875	—	—	0.05	mg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S3	524	07/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0341	—	—	0.01	mg/L	Y	J	J	11-2978	CAPA-11-22847	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.787	—	—	0.1	mg/L	Y	—	J-	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.795	—	—	0.05	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0047	0.0378	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00866	0.0087	0.05	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00625	0.0042	0.019	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00194	0.0019	0.029	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0135	0.0064	0.039	—	pCi/L	Y	U	U	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00332	0.00743	0.0449	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00577	0.0041	0.049	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00625	0.0036	0.03	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0048	0.027	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00449	0.0032	0.027	—	pCi/L	Y	U	U	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.73	—	—	0.05	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.45	—	—	0.05	mg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.69	—	—	0.05	mg/L	Y	—	J	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.74	—	—	0.05	mg/L	Y	—	J	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.67	—	—	0.05	mg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.73	—	—	0.05	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4	20.7	81.2	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.65	22	87	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	30.3	12	45	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	34.9	14	54	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.35	23	76	—	pCi/L	Y	U	U	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48.1	—	—	0.053	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43.1	—	—	0.053	mg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	44.8	—	—	0.053	mg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43.3	—	—	0.053	mg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.5	—	—	0.053	mg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.9	—	—	0.053	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.96	1.61	6.96	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.71	1.8	7.6	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.519	1.1	3.5	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0534	1.1	3.5	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.01	1.7	5.3	—	pCi/L	Y	U	U	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	203	—	—	1	µS/cm	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	195	—	—	1	µS/cm	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	199	—	—	1	µS/cm	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	194	—	—	1	µS/cm	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	201	—	—	1	µS/cm	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	204	—	—	1	µS/cm	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.8	—	—	1	µg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	90.7	—	—	1	µg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	91.2	—	—	1	µg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	94.2	—	—	1	µg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	90.9	—	—	1	µg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96	—	—	1	µg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.183	0.13	0.435	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0813	0.13	0.46	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.136	0.14	0.48	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.255	0.15	0.48	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0169	0.13	0.51	—	pCi/L	Y	U	U	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.26	—	—	0.133	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.42	—	—	0.1	mg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.33	—	—	0.1	mg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.38	—	—	0.1	mg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.53	—	—	0.1	mg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.66	—	—	0.1	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	2.4	mg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	2.4	mg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.053	—	—	0.035	mg/L	Y	J	J	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-186	CAPA-12-1121	GELC
R-23i S3	524	07/29/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.102	—	—	0.035	mg/L	Y	—	U	11-2977	CAPA-11-22845	GELC
R-23i S3	524	07/29/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	11-2977	CAPA-11-22850	GELC
R-23i S3	524	04/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	11-2091	CAPA-11-9575	GELC
R-23i S3	524	01/24/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.034	—	—	0.033	mg/L	Y	J	U	11-1198	CAPA-11-2965	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.29	—	—	0.33	mg/L	Y	—	NQ	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.05	—	—	0.33	mg/L	Y	—	NQ	12-186	CAPA-12-1121	GELC
R-23i S3	524	07/29/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.47	—	—	0.33	mg/L	Y	J	J	11-2977	CAPA-11-22845	GELC
R-23i S3	524	07/29/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.45	—	—	0.33	mg/L	Y	J	J	11-2977	CAPA-11-22850	GELC
R-23i S3	524	04/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.708	—	—	0.33	mg/L	Y	J	J	11-2091	CAPA-11-9575	GELC
R-23i S3	524	01/24/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.681	—	—	0.33	mg/L	Y	J	J	11-1198	CAPA-11-2965	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0438	—	—	0.017	mg/L	Y	J	J	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0478	—	—	0.015	mg/L	Y	J	U	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.259	—	—	0.015	mg/L	Y	—	J	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0358	—	—	0.015	mg/L	Y	J	U	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0196	—	—	0.015	mg/L	Y	J	U	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.019	—	—	0.015	mg/L	Y	J	J	11-1198	CAPA-11-2966	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	17.806	2.851	2.428	—	pCi/L	Y	—	J-	2013-74	CAPA-12-23800	ARSL
R-23i S3	524	04/30/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	18.272	2.899	2.186	—	pCi/L	Y	—	J-	12-1260	CAPA-12-13230	ARSL
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	21.96	3.43	2.05	—	pCi/L	Y	—	NQ	12-244	CAPA-12-1121	ARSL
R-23i S3	524	04/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	25.3736	3.9606	2.3506	—	pCi/L	Y	—	NQ	11-2197	CAPA-11-9575	ARSL
R-23i S3	524	10/18/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	30.5256	4.6368	1.6422	—	pCi/L	Y	—	NQ	11-195	CAPA-10-26948	ARSL
R-23i S3	524	10/18/10	WG	UF	RE	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	31.2662	4.83	2.415	—	pCi/L	Y	—	NQ	11-195	CAPA-10-26951	ARSL
R-23i S3	524	10/18/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	28.5292	4.347	1.6422	—	pCi/L	N	—	R	11-195	CAPA-10-26948	ARSL
R-23i S3	524	10/18/10	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	34.7438	5.3452	2.415	—	pCi/L	N	—	R	11-195	CAPA-10-26951	ARSL
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.576	—	—	0.067	µg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.586	—	—	0.067	µg/L	Y	—	NQ	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.559	—	—	0.067	µg/L	Y	—	NQ	11-2978	CAPA-11-22849	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.561	—	—	0.067	µg/L	Y	—	NQ	11-2978	CAPA-11-22847	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.55	—	—	0.067	µg/L	Y	—	NQ	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.588	—	—	0.067	µg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.323	0.0373	0.0641	—	pCi/L	Y	—	NQ	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.325	0.04	0.054	—	pCi/L	Y	—	NQ	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.473	0.057	0.12	—	pCi/L	Y	—	NQ	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.419	0.047	0.064	—	pCi/L	Y	—	NQ	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.486	0.049	0.043	—	pCi/L	Y	—	NQ	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0135	0.0119	0.0465	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.02	0.0091	0.04	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0298	0.012	0.055	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0109	0.0081	0.043	—	pCi/L	Y	U	U	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0151	0.0068	0.034	—	pCi/L	Y	U	U	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.109	0.0247	0.0436	—	pCi/L	Y	—	NQ	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.181	0.028	0.063	—	pCi/L	Y	—	NQ	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.237	0.036	0.07	—	pCi/L	Y	—	NQ	10-3999	CAPA-10-24086	GELC
R-23i S3	524	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.219	0.03	0.048	—	pCi/L	Y	—	NQ	10-3437	CAPA-10-17580	GELC
R-23i S3	524	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.283	0.033	0.031	—	pCi/L	Y	—	NQ	10-2379	CAPA-10-12853	GELC
R-23i S3	524	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.35	—	—	1	µg/L	Y	—	NQ	2013-70	CAPA-12-23827	GELC
R-23i S3	524	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.34	—	—	1	µg/L	Y	J	J	12-187	CAPA-12-1122	GELC
R-23i S3	524	07/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	4.83	—	—	1	µg/L	Y	J	U	11-2978	CAPA-11-22847	GELC
R-23i S3	524	07/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	4.91	—	—	1	µg/L	Y	J	U	11-2978	CAPA-11-22849	GELC
R-23i S3	524	04/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.69	—	—	1	µg/L	Y	J	J	11-2091	CAPA-11-9576	GELC
R-23i S3	524	01/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.13	—	—	1	µg/L	Y	—	NQ	11-1198	CAPA-11-2966	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.66	—	—	0.01	SU	Y	H	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.22	—	—	0.01	SU	Y	H	J-	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.21	—	—	0.01	SU	Y	H	J-	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.56	—	—	0.01	SU	Y	H	J-	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.31	—	—	0.01	SU	Y	H	J-	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.2	—	—	0.725	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.5	—	—	0.73	mg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.2	—	—	0.73	mg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.8	—	—	0.73	mg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.4	—	—	0.73	mg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00474	0.00474	0.0323	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00324	0.0072	0.053	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0131	0.0061	0.034	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0119	0.0051	0.026	—	pCi/L	Y	U	U	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00493	0.0036	0.039	—	pCi/L	Y	U	U	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	38	—	—	1	µg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.2	—	—	1	µg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.3	—	—	1	µg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.9	—	—	1	µg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	41.8	—	—	1	µg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	64.7	—	—	1	µg/L	N	—	R	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.3	—	—	0.05	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16	—	—	0.05	mg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	7.82	—	—	0.05	mg/L	N	—	R	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	01/25/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.3	—	—	0.05	mg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.828	1.16	4.67	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.75	1.2	4.9	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.241	2.3	8.3	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.11	0.93	2.9	—	pCi/L	Y	U	U	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.154	1.4	4.7	—	pCi/L	Y	U	U	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3	—	—	0.067	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.83	—	—	0.066	mg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3	—	—	0.066	mg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.12	—	—	0.066	mg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.89	—	—	0.066	mg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.669	1.51	5.45	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.487	1.3	5.2	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.356	1.4	4.6	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.658	0.79	2.8	—	pCi/L	Y	U	U	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.27	1.3	4.6	—	pCi/L	Y	U	U	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.291	—	—	0.033	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.296	—	—	0.033	mg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.284	—	—	0.033	mg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.325	—	—	0.033	mg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.268	—	—	0.033	mg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.386	0.767	2.86	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.152	0.67	2.9	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.45	0.79	2.3	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.582	0.64	2.4	—	pCi/L	Y	U	U	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	06/08/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.882	0.6	2	—	pCi/L	Y	U	U	09-2239	CAPA-09-9418	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.527	0.722	2.57	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.77	0.97	2.9	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.698	0.79	2.7	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2	0.64	1.8	—	pCi/L	Y	—	NQ	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	06/08/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.11	0.67	2.1	—	pCi/L	Y	U	U	09-2239	CAPA-09-9418	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.2	—	—	0.453	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62	—	—	0.45	mg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.6	—	—	0.45	mg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.9	—	—	0.45	mg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	29	—	—	0.45	mg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.01	—	—	0.11	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.74	—	—	0.11	mg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.8	—	—	0.11	mg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.03	—	—	0.11	mg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.99	—	—	0.11	mg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.31	—	—	0.11	mg/L	N	—	R	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.94	—	—	2	µg/L	Y	J	J	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.7	—	—	2	µg/L	Y	J	J	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	19.4	—	—	2	µg/L	N	—	R	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	01/25/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.16	—	—	0.165	µg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.36	—	—	0.17	µg/L	Y	—	J	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.16	—	—	0.17	µg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.08	—	—	0.17	µg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.46	—	—	0.17	µg/L	Y	—	J	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.56	2.95	10.8	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.71	2.4	8.3	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.868	2.6	8.9	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.17	7.3	24	—	pCi/L	Y	U	U	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.265	10	34	—	pCi/L	Y	U	U	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.98	—	—	0.5	µg/L	Y	J	J	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.31	—	—	0.5	µg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.88	—	—	0.5	µg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.35	—	—	0.5	µg/L	Y	J	J	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.2	—	—	0.5	µg/L	Y	J	J	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.99	—	—	0.085	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.979	—	—	0.1	mg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.03	—	—	0.05	mg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.664	—	—	0.01	mg/L	Y	—	J-	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.895	—	—	0.05	mg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00267	0.00706	0.0304	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00776	0.01	0.045	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00232	0.0023	0.021	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0158	0.0063	0.034	—	pCi/L	Y	U	U	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00385	0.011	0.04	—	pCi/L	Y	U	U	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00267	0.00462	0.0361	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00776	0.0068	0.044	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00697	0.0061	0.034	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0119	0.0049	0.024	—	pCi/L	Y	U	U	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0115	0.0047	0.045	—	pCi/L	Y	U	U	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.79	—	—	0.05	mg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	J	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.77	—	—	0.05	mg/L	Y	—	J	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	8.42	—	—	0.05	mg/L	N	—	R	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	01/25/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.78	—	—	0.05	mg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-30.6	15.9	56.1	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-33.6	16	58	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.59	18	64	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-2.25	13	38	—	pCi/L	Y	U	U	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.83	18	62	—	pCi/L	Y	U	U	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66	—	—	0.053	mg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65	—	—	0.053	mg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.2	—	—	0.053	mg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	39.7	—	—	0.053	mg/L	Y	N	R	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	51.2	—	—	0.1	mg/L	N	—	R	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.187	1.29	4.89	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.72	0.98	4.2	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.179	1.2	4.1	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.23	0.86	2.5	—	pCi/L	Y	U	U	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.42	1.4	4.4	—	pCi/L	Y	U	U	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	166	—	—	1	µS/cm	Y	—	NQ	2013-192	CAPA-12-23828	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	167	—	—	1	µS/cm	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	162	—	—	1	µS/cm	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	164	—	—	1	µS/cm	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	1	µS/cm	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	78.9	—	—	1	µg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	79.1	—	—	1	µg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	76.2	—	—	1	µg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	76.6	—	—	1	µg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.2	—	—	1	µg/L	N	E	R	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	01/25/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	77.7	—	—	1	µg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.181	0.14	0.475	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.13	0.15	0.5	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.406	0.15	0.48	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.147	0.14	0.49	—	pCi/L	Y	U	U	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.27	0.092	0.29	—	pCi/L	Y	U	U	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.16	—	—	0.133	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.03	—	—	0.1	mg/L	Y	—	J+	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.92	—	—	0.1	mg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.61	—	—	0.1	mg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.2	—	—	0.1	mg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	J	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	J	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	2.4	mg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	2.4	mg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.118	—	—	0.035	mg/L	Y	—	J-	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	07/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	11-2949	CAPA-11-22695	GELC
R-32 S1	867.5	05/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0891	—	—	0.035	mg/L	Y	J	U	11-2258	CAPA-11-9318	GELC
R-32 S1	867.5	01/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	11-1207	CAPA-11-3016	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.08	—	—	0.33	mg/L	Y	—	NQ	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.752	—	—	0.33	mg/L	Y	J	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	07/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.698	—	—	0.33	mg/L	Y	J	J	11-2949	CAPA-11-22695	GELC
R-32 S1	867.5	05/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.718	—	—	0.33	mg/L	Y	J	J	11-2258	CAPA-11-9318	GELC
R-32 S1	867.5	01/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.816	—	—	0.33	mg/L	Y	J	J	11-1207	CAPA-11-3016	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.036	—	—	0.017	mg/L	Y	J	J	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0535	—	—	0.015	mg/L	Y	—	U	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0316	—	—	0.015	mg/L	Y	J	U	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0395	—	—	0.015	mg/L	Y	J	U	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.847	0.71	2.098	—	pCi/L	Y	U	U	2013-217	CAPA-12-23801	ARSL
R-32 S1	867.5	04/25/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.694	0.628	2.059	—	pCi/L	Y	U	UJ	12-1262	CAPA-12-13231	ARSL
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.11	0.65	2.22	—	pCi/L	Y	U	U	12-171	CAPA-12-1143	ARSL
R-32 S1	867.5	07/27/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.0626	0.6118	2.093	—	pCi/L	Y	U	U	11-3020	CAPA-11-22695	ARSL
R-32 S1	867.5	05/02/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.3202	0.7084	2.3828	—	pCi/L	Y	U	U	11-2264	CAPA-11-9318	ARSL
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.69	—	—	0.067	µg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.59	—	—	0.067	µg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.706	—	—	0.067	µg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.551	—	—	0.067	µg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.653	—	—	0.067	µg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.421	0.0371	0.0528	—	pCi/L	Y	—	NQ	2013-192	CAPA-12-23801	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.446	0.048	0.045	—	pCi/L	Y	—	NQ	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.372	0.042	0.08	—	pCi/L	Y	—	NQ	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.464	0.047	0.041	—	pCi/L	Y	—	NQ	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.491	0.044	0.062	—	pCi/L	Y	—	NQ	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0185	0.00981	0.0383	—	pCi/L	Y	U	U	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00335	0.0075	0.033	—	pCi/L	Y	U	U	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0309	0.011	0.038	—	pCi/L	Y	U	U	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0198	0.0086	0.032	—	pCi/L	Y	U	U	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0253	0.0081	0.031	—	pCi/L	Y	U	U	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.183	0.0253	0.0359	—	pCi/L	Y	—	NQ	2013-192	CAPA-12-23801	GELC
R-32 S1	867.5	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.219	0.029	0.053	—	pCi/L	Y	—	NQ	12-133	CAPA-12-1143	GELC
R-32 S1	867.5	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.181	0.026	0.049	—	pCi/L	Y	—	NQ	10-4049	CAPA-10-24125	GELC
R-32 S1	867.5	03/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.188	0.025	0.029	—	pCi/L	Y	—	NQ	10-2393	CAPA-10-12837	GELC
R-32 S1	867.5	08/31/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.246	0.027	0.031	—	pCi/L	Y	—	NQ	09-3055	CAPA-09-12277	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.71	—	—	1	µg/L	Y	J	J	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.18	—	—	1	µg/L	Y	J	J	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.39	—	—	1	µg/L	Y	J	J	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.35	—	—	1	µg/L	Y	J	J	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.65	—	—	1	µg/L	N	J	R	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	01/25/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.07	—	—	1	µg/L	Y	J	J	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	10/19/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	30.6	—	—	3.3	µg/L	Y	—	NQ	2013-192	CAPA-12-23828	GELC
R-32 S1	867.5	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	34.4	—	—	3.3	µg/L	Y	—	NQ	12-133	CAPA-12-1144	GELC
R-32 S1	867.5	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	36.8	—	—	3.3	µg/L	Y	—	NQ	11-2949	CAPA-11-22693	GELC
R-32 S1	867.5	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	37.2	—	—	3.3	µg/L	Y	—	NQ	11-2258	CAPA-11-9320	GELC
R-32 S1	867.5	01/25/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	40.9	—	—	3.3	µg/L	Y	—	NQ	11-1207	CAPA-11-3014	GELC
R-32 S1	867.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	29.4	—	—	3.3	µg/L	N	—	R	11-1207	CAPA-11-3014	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.28	—	—	0.01	SU	Y	H	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	J-	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.27	—	—	0.01	SU	Y	H	J-	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	J-	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	J-	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	J-	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	100	—	—	0.725	mg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	98.5	—	—	0.73	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	99.1	—	—	0.73	mg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96.5	—	—	0.73	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	103	—	—	0.73	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	101	—	—	0.73	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.011	0.00867	0.0374	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0036	0.028	—	pCi/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00475	0.0043	0.033	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00259	0.0029	0.021	—	pCi/L	Y	U	U	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00477	0.0043	0.046	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	8.55	—	—	1	µg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	8.47	—	—	1	µg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	8.34	—	—	1	µg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	8.46	—	—	1	µg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	9.14	—	—	1	µg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	9.05	—	—	1	µg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.6	—	—	15	µg/L	Y	J	J	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.1	—	—	15	µg/L	Y	J	J	12-214	CAPA-12-1128	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	29.7	—	—	15	µg/L	Y	J	J	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.8	—	—	15	µg/L	Y	J	J	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	30.6	—	—	15	µg/L	Y	J	J	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	29.9	—	—	15	µg/L	Y	J	J	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.5	—	—	0.05	mg/L	Y	—	J+	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	25.1	—	—	0.05	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.8	—	—	0.05	mg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	25.1	—	—	0.05	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.7	—	—	0.05	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.5	—	—	0.05	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.219	1.61	5.92	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.48	1.6	6.3	—	pCi/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.36	1.2	3.7	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.47	1.9	4.9	—	pCi/L	Y	U	U	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.91	1	3.6	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.71	—	—	0.067	mg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.59	—	—	0.066	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.73	—	—	0.066	mg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.6	—	—	0.066	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.75	—	—	0.066	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.75	—	—	0.066	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.711	1.67	6.73	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.331	1.2	5.1	—	pCi/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.21	1.2	4.6	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.993	1.4	4.9	—	pCi/L	Y	U	U	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.96	1.4	3.1	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	3.52	—	—	3.19	µg/L	Y	J	J	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	04/25/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	N	10.4	—	—	3.13	µg/L	Y	U	U	12-1248	CAPA-12-13260	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	N	10.4	—	—	3.1	µg/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	07/19/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	4.72	—	—	2.1	µg/L	Y	J	J	11-2877	CAPA-11-22854	GELC
R-37 S1	929.3	05/03/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	3.08	—	—	2.1	µg/L	Y	J	J	11-2283	CAPA-11-9298	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.552	—	—	0.033	mg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.577	—	—	0.033	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.545	—	—	0.033	mg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.511	—	—	0.033	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.566	—	—	0.033	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.56	—	—	0.033	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.408	0.635	2.59	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.34	0.88	1.8	—	pCi/L	Y	—	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.17	0.64	1.8	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	4.44	1.2	2.2	—	pCi/L	Y	—	NQ	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.57	0.84	2.5	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.25	0.894	2.99	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.88	0.78	2.3	—	pCi/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.26	0.89	2.9	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.17	0.98	2.3	—	pCi/L	Y	—	NQ	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.06	0.8	2.7	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.6	—	—	0.453	mg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.8	—	—	0.45	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.8	—	—	0.45	mg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	86.2	—	—	0.45	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.2	—	—	0.45	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.7	—	—	0.45	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.69	—	—	0.11	mg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.62	—	—	0.11	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.57	—	—	0.11	mg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.71	—	—	0.11	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.61	—	—	0.11	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.62	—	—	0.11	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.29	—	—	0.165	µg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.73	—	—	0.17	µg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.31	—	—	0.17	µg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.29	—	—	0.17	µg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	4.2	—	—	0.17	µg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	4.12	—	—	0.17	µg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.42	3.01	10.9	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	8	3.3	13	—	pCi/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.534	2.7	8.1	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.56	2.3	8.1	—	pCi/L	Y	U	U	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.96	5.3	16	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.15	—	—	0.5	µg/L	Y	J	J	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.27	—	—	0.5	µg/L	Y	J	J	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.2	—	—	0.5	µg/L	Y	J	J	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.25	—	—	0.5	µg/L	Y	J	J	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.51	—	—	0.5	µg/L	Y	J	J	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.51	—	—	0.5	µg/L	Y	J	J	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.464	—	—	0.017	mg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.456	—	—	0.05	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.536	—	—	0.1	mg/L	Y	—	J	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.375	—	—	0.01	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.474	—	—	0.05	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.476	—	—	0.05	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0189	0.0118	0.0358	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00783	0.0094	0.045	—	pCi/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00226	0.0039	0.02	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00194	0.0034	0.029	—	pCi/L	Y	U	U	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0175	0.011	0.042	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00314	0.00832	0.0425	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00261	0.0026	0.044	—	pCi/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0032	0.033	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00582	0.0051	0.027	—	pCi/L	Y	U	U	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0143	0.0073	0.029	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.71	—	—	0.05	mg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.82	—	—	0.05	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.75	—	—	0.05	mg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.67	—	—	0.05	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.87	—	—	0.05	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	48.7	19.8	88.1	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-26	21	73	—	pCi/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-22	15	45	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20	18	54	—	pCi/L	Y	U	U	10-3443	CAPA-10-17949	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-2.58	14	42	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.1	—	—	0.053	mg/L	Y	—	J+	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	55.4	—	—	0.053	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	56.7	—	—	0.053	mg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	55.6	—	—	0.053	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.1	—	—	0.053	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.1	—	—	0.053	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.5	—	—	0.1	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.3	—	—	0.1	mg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.6	—	—	0.1	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.8	—	—	0.1	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.7	—	—	0.1	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.244	1.71	6.53	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.256	1.3	5	—	pCi/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.609	1.4	4.3	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.783	1.5	5.1	—	pCi/L	Y	U	U	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.367	1.1	3.6	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	230	—	—	1	µS/cm	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	234	—	—	1	µS/cm	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	242	—	—	1	µS/cm	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	µS/cm	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	µS/cm	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	µS/cm	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	102	—	—	1	µg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	100	—	—	1	µg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	104	—	—	1	µg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0345	0.122	0.473	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.186	0.11	0.48	—	pCi/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.191	0.15	0.49	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0761	0.12	0.5	—	pCi/L	Y	U	U	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0845	0.12	0.46	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.53	—	—	0.133	mg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.34	—	—	0.1	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.19	—	—	0.1	mg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.5	—	—	0.1	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.8	—	—	0.1	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.79	—	—	0.1	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	—	—	3.4	mg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	2.4	mg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	—	2.4	mg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	186	—	—	2.4	mg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0696	—	—	0.035	mg/L	Y	J	J	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0372	—	—	0.035	mg/L	Y	J	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	07/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.18	mg/L	Y	U	U	11-2877	CAPA-11-22854	GELC
R-37 S1	929.3	05/03/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.118	—	—	0.035	mg/L	Y	—	U	11-2284	CAPA-11-9298	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-37 S1	929.3	01/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	11-1178	CAPA-11-2990	GELC
R-37 S1	929.3	01/21/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	11-1178	CAPA-11-2999	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.878	—	—	0.33	mg/L	Y	J	J	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.785	—	—	0.33	mg/L	Y	J	J	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	07/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2877	CAPA-11-22854	GELC
R-37 S1	929.3	05/03/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.902	—	—	0.33	mg/L	Y	J	J	11-2284	CAPA-11-9298	GELC
R-37 S1	929.3	01/21/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.841	—	—	0.33	mg/L	Y	J	J	11-1178	CAPA-11-2999	GELC
R-37 S1	929.3	01/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.856	—	—	0.33	mg/L	Y	J	J	11-1178	CAPA-11-2990	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	27.08	4.192	2.108	—	pCi/L	Y	—	J-	2013-218	CAMO-12-23859	ARSL
R-37 S1	929.3	04/25/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	32.673	5.022	2.088	—	pCi/L	Y	—	J-	12-1255	CAPA-12-13260	ARSL
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	34.4	5.29	2.28	—	pCi/L	Y	—	NQ	12-244	CAPA-12-1127	ARSL
R-37 S1	929.3	07/19/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	9.8532	1.6744	2.1574	—	pCi/L	Y	—	NQ	11-2878	CAPA-11-22854	ARSL
R-37 S1	929.3	05/03/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	43.0192	6.5688	2.1574	—	pCi/L	Y	—	NQ	11-2438	CAPA-11-9298	ARSL
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.65	—	—	0.067	µg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.62	—	—	0.067	µg/L	Y	—	NQ	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.35	—	—	0.067	µg/L	Y	—	NQ	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.41	—	—	0.067	µg/L	Y	—	NQ	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.32	—	—	0.067	µg/L	Y	—	NQ	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.33	—	—	0.067	µg/L	Y	—	NQ	11-1180	CAPA-11-2991	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.922	0.053	0.0498	—	pCi/L	Y	—	J	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.01	0.094	0.055	—	pCi/L	Y	—	NQ	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.26	0.11	0.099	—	pCi/L	Y	—	NQ	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.979	0.087	0.06	—	pCi/L	Y	—	NQ	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.987	0.09	0.052	—	pCi/L	Y	—	NQ	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0105	0.0135	0.0361	—	pCi/L	Y	U	U	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0246	0.012	0.041	—	pCi/L	Y	U	U	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00422	0.0094	0.047	—	pCi/L	Y	U	U	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0307	0.01	0.041	—	pCi/L	Y	U	U	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0219	0.0091	0.041	—	pCi/L	Y	U	U	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.356	0.0328	0.0339	—	pCi/L	Y	—	J	2013-213	CAMO-12-23859	GELC
R-37 S1	929.3	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.428	0.049	0.065	—	pCi/L	Y	—	NQ	12-214	CAPA-12-1127	GELC
R-37 S1	929.3	08/05/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.56	0.06	0.06	—	pCi/L	Y	—	NQ	10-4011	CAPA-10-24066	GELC
R-37 S1	929.3	06/16/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.488	0.051	0.045	—	pCi/L	Y	—	NQ	10-3443	CAPA-10-17949	GELC
R-37 S1	929.3	03/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.42	0.047	0.037	—	pCi/L	Y	—	NQ	10-2250	CAPA-10-12855	GELC
R-37 S1	929.3	10/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.16	—	—	1	µg/L	Y	—	NQ	2013-213	CAMO-12-23866	GELC
R-37 S1	929.3	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.38	—	—	1	µg/L	Y	J	J	12-214	CAPA-12-1128	GELC
R-37 S1	929.3	07/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.93	—	—	1	µg/L	Y	J	J	11-2877	CAPA-11-22856	GELC
R-37 S1	929.3	05/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.83	—	—	1	µg/L	Y	J	J	11-2284	CAPA-11-9300	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.71	—	—	1	µg/L	Y	J	J	11-1180	CAPA-11-3000	GELC
R-37 S1	929.3	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.62	—	—	1	µg/L	Y	J	J	11-1180	CAPA-11-2991	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	J-	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	J-	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	J-	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	J-	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.1	—	—	0.725	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.6	—	—	0.73	mg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.5	—	—	0.73	mg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.6	—	—	0.73	mg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.2	—	—	0.73	mg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00752	0.0103	0.0342	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0053	0.0059	0.027	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0033	0.004	0.04	—	pCi/L	Y	U	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00851	0.0038	0.024	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00807	0.0054	0.044	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.9	—	—	1	µg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28	—	—	1	µg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.7	—	—	1	µg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.4	—	—	1	µg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.8	—	—	1	µg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.9	—	—	0.05	mg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.9	—	—	0.05	mg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.787	1.3	4.88	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.56	1.8	7.2	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.33	1.1	3.2	—	pCi/L	Y	U	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.16	1.4	4.1	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.51	1.3	5	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.27	—	—	0.067	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.27	—	—	0.066	mg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.26	—	—	0.066	mg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.44	—	—	0.066	mg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.21	—	—	0.066	mg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.5	1.22	4.3	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.08	1.6	5.8	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.505	1.3	3.8	—	pCi/L	Y	U	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.479	1.2	4.1	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.27	1.5	4.5	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.272	—	—	0.033	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.277	—	—	0.033	mg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.283	—	—	0.033	mg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.324	—	—	0.033	mg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.259	—	—	0.033	mg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.16	0.487	2.89	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.36	0.83	2.6	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.47	0.67	1.4	—	pCi/L	Y	—	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.00462	0.53	2.3	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.37	0.57	2.3	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.105	0.784	2.84	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.11	0.76	2.5	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.0108	0.7	2.6	—	pCi/L	Y	U	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.63	0.91	3	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.612	0.67	2.3	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.5	—	—	0.453	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.8	—	—	0.45	mg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.6	—	—	0.45	mg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.1	—	—	0.45	mg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.7	—	—	0.45	mg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.12	—	—	0.11	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3	—	—	0.11	mg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.88	—	—	0.11	mg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.13	—	—	0.11	mg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.78	—	—	0.11	mg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.57	—	—	0.165	µg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.67	—	—	0.17	µg/L	Y	—	J	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.29	—	—	0.17	µg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.17	µg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.82	—	—	0.17	µg/L	Y	—	J	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.49	2.55	10.3	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.86	3.7	13	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.994	2.2	7.5	—	pCi/L	Y	U	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.19	3	9	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	20.9	10	34	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.768	—	—	0.5	µg/L	Y	J	J	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.19	—	—	0.5	µg/L	Y	J	U	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.904	—	—	0.5	µg/L	Y	J	J	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.845	—	—	0.5	µg/L	Y	J	J	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.742	—	—	0.5	µg/L	Y	J	J	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.555	—	—	0.085	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.515	—	—	0.05	mg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.536	—	—	0.1	mg/L	Y	—	U	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.574	—	—	0.1	mg/L	Y	—	J+	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.486	—	—	0.05	mg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00229	0.00397	0.0261	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00581	0.01	0.033	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0183	0.0088	0.023	—	pCi/L	Y	U	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00409	0.0041	0.031	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00376	0.011	0.045	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00687	0.00606	0.031	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0029	0.005	0.046	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0194	0.0097	0.038	—	pCi/L	Y	U	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0102	0.0068	0.028	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0011	0.0071	0.032	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.86	—	—	0.05	mg/L	Y	—	J	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.88	—	—	0.05	mg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.68	—	—	0.05	mg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.2	16.8	62.3	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.38	21	78	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	29.6	15	62	—	pCi/L	Y	U	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.29	15	56	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.4	18	55	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.7	—	—	0.053	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.1	—	—	0.053	mg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.1	—	—	0.053	mg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	N	68.6	—	—	0.053	mg/L	Y	N	U	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.394	1.38	5.34	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.04	1.8	6.1	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.252	0.93	3.1	—	pCi/L	Y	U	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.843	1.1	4.1	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0922	1.3	4.2	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	1	µS/cm	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	1	µS/cm	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	µS/cm	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.9	—	—	1	µg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.3	—	—	1	µg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.5	—	—	1	µg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.3	—	—	1	µg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.9	—	—	1	µg/L	Y	E	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.187	0.136	0.497	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0278	0.12	0.48	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0342	0.13	0.49	—	pCi/L	Y	U	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0318	0.12	0.47	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.106	0.13	0.47	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.67	—	—	0.133	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.89	—	—	0.1	mg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.66	—	—	0.1	mg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.88	—	—	0.1	mg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.86	—	—	0.1	mg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	2.4	mg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	2.4	mg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.574	—	—	0.33	mg/L	Y	J	J	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-229	CAPA-12-1178	GELC
R-37 S2	1026	07/13/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.529	—	—	0.33	mg/L	Y	J	J	11-2816	CAPA-11-22886	GELC
R-37 S2	1026	04/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.45	—	—	0.33	mg/L	Y	J	J	11-2183	CAPA-11-9322	GELC
R-37 S2	1026	01/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-1207	CAPA-11-3019	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.052	—	—	0.017	mg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.035	—	—	0.015	mg/L	Y	J	J	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	UJ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0381	—	—	0.015	mg/L	Y	J	J	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.769	0.708	2.114	—	pCi/L	Y	U	U	2013-218	CAMO-12-23860	ARSL
R-37 S2	1026	04/27/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.156	0.638	2.169	—	pCi/L	Y	U	UJ	12-1259	CAPA-12-13261	ARSL
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.45	0.59	2.02	—	pCi/L	Y	U	U	12-244	CAPA-12-1178	ARSL
R-37 S2	1026	07/13/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.449	0.9338	3.1556	—	pCi/L	Y	U	U	11-2878	CAPA-11-22886	ARSL
R-37 S2	1026	04/26/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.576	0.8372	2.7692	—	pCi/L	Y	U	U	11-2197	CAPA-11-9322	ARSL
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.461	—	—	0.067	µg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.348	—	—	0.067	µg/L	Y	—	U	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.418	—	—	0.067	µg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.397	—	—	0.067	µg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.463	—	—	0.067	µg/L	Y	—	NQ	11-1207	CAPA-11-3017	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.271	0.0283	0.0406	—	pCi/L	Y	—	NQ	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.344	0.033	0.041	—	pCi/L	Y	—	NQ	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.345	0.039	0.077	—	pCi/L	Y	—	NQ	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.322	0.037	0.055	—	pCi/L	Y	—	NQ	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.473	0.051	0.051	—	pCi/L	Y	—	NQ	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0257	0.00946	0.0294	—	pCi/L	Y	U	U	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00992	0.0053	0.021	—	pCi/L	Y	U	U	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0164	0.0074	0.036	—	pCi/L	Y	U	U	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0126	0.0089	0.038	—	pCi/L	Y	U	U	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0214	0.0089	0.04	—	pCi/L	Y	U	U	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.134	0.0187	0.0276	—	pCi/L	Y	—	NQ	2013-204	CAMO-12-23860	GELC
R-37 S2	1026	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.167	0.02	0.018	—	pCi/L	Y	—	NQ	12-231	CAPA-12-1178	GELC
R-37 S2	1026	08/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.125	0.021	0.047	—	pCi/L	Y	—	NQ	10-4108	CAPA-10-24128	GELC
R-37 S2	1026	06/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.171	0.025	0.042	—	pCi/L	Y	—	NQ	10-3330	CAPA-10-17952	GELC
R-37 S2	1026	03/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.21	0.029	0.036	—	pCi/L	Y	—	NQ	10-2296	CAPA-10-13073	GELC
R-37 S2	1026	10/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.1	—	—	1	µg/L	Y	—	NQ	2013-204	CAMO-12-23867	GELC
R-37 S2	1026	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.49	—	—	1	µg/L	Y	—	NQ	12-230	CAPA-12-1177	GELC
R-37 S2	1026	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.88	—	—	1	µg/L	Y	—	NQ	11-2816	CAPA-11-22887	GELC
R-37 S2	1026	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.19	—	—	1	µg/L	Y	—	NQ	11-2183	CAPA-11-9321	GELC
R-37 S2	1026	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	4.95	—	—	1	µg/L	Y	J	U	11-1207	CAPA-11-3017	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.66	—	—	0.01	SU	Y	H	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.47	—	—	0.01	SU	Y	H	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.66	—	—	0.01	SU	Y	H	J-	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.58	—	—	0.01	SU	Y	H	J-	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.66	—	—	0.01	SU	Y	H	J-	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.67	—	—	0.01	SU	Y	H	J-	11-2344	CAPA-11-9328	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.58	—	—	0.01	SU	Y	H	J-	11-1225	CAPA-11-3024	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.53	—	—	0.01	SU	Y	H	J-	11-1225	CAPA-11-3021	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.71	—	—	0.01	SU	Y	H	J-	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.3	—	—	0.725	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.725	mg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.7	—	—	0.73	mg/L	Y	—	NQ	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.73	mg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.6	—	—	0.73	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.6	—	—	0.73	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.8	—	—	0.73	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.3	—	—	0.73	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.9	—	—	0.73	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00512	0.00627	0.0349	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0119	0.00712	0.0324	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00314	0.005	0.044	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0033	0.0046	0.033	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00954	0.0055	0.03	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00707	0.0039	0.029	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00069	0.0015	0.021	—	pCi/L	Y	U	U	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0134	0.011	0.038	—	pCi/L	Y	U	U	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.124	—	—	0.017	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	—	0.017	mg/L	Y	U	U	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0383	—	—	0.016	mg/L	Y	J	J	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0292	—	—	0.016	mg/L	Y	J	J	11-2941	CAPA-11-22890	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-38	821.2	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0746	—	—	0.016	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0197	—	—	0.016	mg/L	Y	J	J	11-2344	CAPA-11-9326	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-1225	CAPA-11-3024	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-1225	CAPA-11-3021	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	3.95	—	—	1.7	µg/L	Y	JN	J	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	1.7	—	—	1.7	µg/L	Y	UN	UJ	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.12	—	—	1.7	µg/L	N	J	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	3.08	—	—	1.7	µg/L	Y	J	J	11-2344	CAPA-11-9328	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.7	—	—	1.7	µg/L	Y	J	J	11-2344	CAPA-11-9326	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.7	—	—	1	µg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.2	—	—	1	µg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.6	—	—	1	µg/L	Y	—	—	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	349	—	—	1	µg/L	N	—	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.1	—	—	1	µg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.7	—	—	1	µg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.4	—	—	1	µg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.9	—	—	1	µg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.3	—	—	1	µg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.6	—	—	1	µg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	74.3	—	—	0.05	mg/L	N	—	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.5	—	—	0.05	mg/L	Y	—	—	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.9	—	—	0.05	mg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.1	—	—	0.05	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.5	—	—	0.05	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.1	—	—	0.05	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.64	1.13	4.05	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.585	1.15	3.98	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.785	1.4	4.8	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.585	1.9	6.2	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.638	1.2	4.2	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.01	1.2	3.1	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.506	0.68	2.2	—	pCi/L	Y	U	U	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.443	0.87	3	—	pCi/L	Y	U	U	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.5	—	—	0.067	mg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.52	—	—	0.067	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.52	—	—	0.066	mg/L	Y	—	NQ	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.48	—	—	0.066	mg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.6	—	—	0.066	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.61	—	—	0.066	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.43	—	—	0.066	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.41	—	—	0.066	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-38	821.2	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.41	—	—	0.066	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.94	—	—	2	µg/L	Y	J	J	2013-57	CAMO-12-23868	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.81	—	—	2	µg/L	Y	J	J	2013-57	CAMO-12-23850	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	6.73	—	—	2	µg/L	Y	J	U	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.23	—	—	2	µg/L	Y	J	J	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	22.6	—	—	2	µg/L	N	—	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2344	CAPA-11-9328	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	UN	UJ	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	UN	UJ	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.21	—	—	2.5	µg/L	Y	J	J	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.03	1.09	3.7	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.13	1.07	4.24	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.42	1.5	4.3	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.15	1.9	6.8	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.403	1.3	4.2	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.416	1.2	4	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.502	0.73	2.5	—	pCi/L	Y	U	U	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.1	0.9	3.2	—	pCi/L	Y	U	U	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.325	—	—	0.033	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.325	—	—	0.033	mg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.309	—	—	0.033	mg/L	Y	—	NQ	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.294	—	—	0.033	mg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.319	—	—	0.033	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.317	—	—	0.033	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.267	—	—	0.033	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.266	—	—	0.033	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.271	—	—	0.033	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.555	0.705	2.63	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.152	0.632	2.64	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.296	0.37	2.2	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.497	0.61	2.9	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.453	0.58	2.2	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.83	0.48	2.9	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.209	0.35	2	—	pCi/L	Y	U	U	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.342	0.45	2.4	—	pCi/L	Y	U	U	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.0155	0.548	2.13	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.525	0.616	2.18	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.41	0.9	2.8	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.674	0.79	2.7	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.948	0.78	2.6	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.09	0.84	2.5	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.78	0.89	2.7	—	pCi/L	Y	—	NQ	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.55	1.1	3.2	—	pCi/L	Y	—	NQ	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.2	—	—	0.453	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.6	—	—	0.453	mg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.1	—	—	0.45	mg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.4	—	—	0.45	mg/L	Y	—	NQ	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	271	—	—	0.45	mg/L	N	—	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.4	—	—	0.45	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.3	—	—	0.45	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46	—	—	0.45	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45	—	—	0.45	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.8	—	—	0.35	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.6	—	—	0.11	mg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.61	—	—	0.11	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.59	—	—	0.11	mg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.7	—	—	0.11	mg/L	Y	—	—	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	20.7	—	—	0.11	mg/L	N	—	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.82	—	—	0.11	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.75	—	—	0.11	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.6	—	—	0.11	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.52	—	—	0.11	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.54	—	—	0.085	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.77	—	—	0.165	µg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.7	—	—	0.165	µg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	180	—	—	0.17	µg/L	N	—	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.71	—	—	0.17	µg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.72	—	—	0.17	µg/L	Y	—	NQ	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.68	—	—	0.17	µg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.74	—	—	0.17	µg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.78	—	—	0.17	µg/L	Y	—	U	11-1225	CAPA-11-3024	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.78	—	—	0.17	µg/L	Y	—	U	11-1225	CAPA-11-3021	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.67	—	—	0.1	µg/L	Y	—	J	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.6	2.4	7.9	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.515	1.95	6.64	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.09	2.9	8.4	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.739	3.1	10	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.14	2.1	6.7	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.673	2.4	7.9	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.2	5.5	18	—	pCi/L	Y	U	U	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	9.63	7.4	25	—	pCi/L	Y	U	U	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.57	—	—	0.5	µg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.41	—	—	0.5	µg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.83	—	—	0.5	µg/L	Y	—	NQ	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.22	—	—	0.5	µg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	9.23	—	—	0.5	µg/L	N	—	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.5	—	—	0.5	µg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.16	—	—	0.5	µg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.02	—	—	0.5	µg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.98	—	—	0.5	µg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.61	—	—	0.5	µg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.72	—	—	0.085	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.635	—	—	0.085	mg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.64	—	—	0.05	mg/L	Y	—	NQ	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.64	—	—	0.05	mg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.534	—	—	0.01	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.531	—	—	0.01	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.545	—	—	0.05	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.535	—	—	0.05	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.605	—	—	0.05	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00235	0.00622	0.0268	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00798	0.0371	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00964	0.0058	0.017	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00185	0.0019	0.017	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00252	0.0036	0.038	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0113	0.0082	0.034	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00418	0.003	0.036	—	pCi/L	Y	U	U	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00842	0.011	0.031	—	pCi/L	Y	U	U	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00576	0.0318	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00977	0.00977	0.044	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0037	0.0037	0.027	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00578	0.0051	0.028	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00251	0.0083	0.035	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00905	0.0064	0.031	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00209	0.0055	0.025	—	pCi/L	Y	U	U	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0021	0.0036	0.033	—	pCi/L	Y	U	U	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.68	—	—	0.05	mg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.58	—	—	0.05	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.56	—	—	0.05	mg/L	Y	—	—	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	11.3	—	—	0.05	mg/L	N	—	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.58	—	—	0.05	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.6	—	—	0.05	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.62	—	—	0.05	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20.4	15.7	48.8	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-28.6	14.7	48.7	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-50.1	20	43	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-10.3	16	54	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	15	15	51	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.3	17	53	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.5	8.1	29	—	pCi/L	Y	U	U	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.53	13	40	—	pCi/L	Y	U	U	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.7	—	—	0.053	mg/L	Y	—	J+	2013-57	CAMO-12-23868	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.9	—	—	0.053	mg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	170	—	—	0.27	mg/L	Y	—	NQ	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.4	—	—	0.053	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.3	—	—	0.053	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.5	—	—	0.053	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.2	—	—	0.053	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	115	—	—	0.1	mg/L	N	—	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	—	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.428	1.24	4.41	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.04	1.1	3.74	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.547	1.4	4.5	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.227	1.6	5.3	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2	1.2	3.3	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.153	1	3.4	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.815	0.65	2.3	—	pCi/L	Y	U	U	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.485	0.79	2.5	—	pCi/L	Y	U	U	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	1	µS/cm	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	1	µS/cm	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	1	µS/cm	Y	—	NQ	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	132	—	—	1	µS/cm	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	145	—	—	1	µS/cm	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	143	—	—	1	µS/cm	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	µS/cm	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	143	—	—	1	µS/cm	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.1	—	—	1	µg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.3	—	—	1	µg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	367	—	—	1	µg/L	N	—	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.3	—	—	1	µg/L	Y	—	—	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.7	—	—	1	µg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.7	—	—	1	µg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.5	—	—	1	µg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52	—	—	1	µg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.2	—	—	1	µg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	49.4	—	—	1	µg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0381	0.133	0.479	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.169	0.136	0.488	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.207	0.14	0.48	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00844	0.15	0.49	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.175	0.15	0.49	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.386	0.16	0.48	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0255	0.14	0.48	—	pCi/L	Y	U	U	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.363	0.13	0.4	—	pCi/L	Y	U	U	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.13	—	—	0.133	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.25	—	—	0.133	mg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.81	—	—	0.1	mg/L	Y	—	NQ	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.83	—	—	0.1	mg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.15	—	—	0.1	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.18	—	—	0.1	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.91	—	—	0.1	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.91	—	—	0.1	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.12	—	—	0.1	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	111	—	—	3.4	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	J	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	J	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	J	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	2.4	mg/L	Y	—	NQ	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	2.4	mg/L	Y	—	NQ	11-2344	CAPA-11-9328	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-38	821.2	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	2.4	mg/L	Y	—	NQ	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	2.4	mg/L	Y	—	NQ	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	2.4	mg/L	Y	—	NQ	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.848	—	—	0.33	mg/L	Y	J	J	2013-57	CAMO-12-23849	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.756	—	—	0.33	mg/L	Y	J	J	2013-57	CAMO-12-23861	GELC
R-38	821.2	07/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.406	—	—	0.33	mg/L	Y	J	J	11-2940	CAPA-11-22889	GELC
R-38	821.2	07/26/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2940	CAPA-11-22893	GELC
R-38	821.2	05/06/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.509	—	—	0.33	mg/L	Y	J	J	11-2344	CAPA-11-9325	GELC
R-38	821.2	05/06/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.555	—	—	0.33	mg/L	Y	J	J	11-2344	CAPA-11-9327	GELC
R-38	821.2	01/27/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.703	—	—	0.33	mg/L	Y	J	J	11-1225	CAPA-11-3025	GELC
R-38	821.2	01/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.785	—	—	0.33	mg/L	Y	J	J	11-1225	CAPA-11-3020	GELC
R-38	821.2	10/11/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.07	—	—	0.33	mg/L	Y	—	NQ	11-127	CAPA-10-27406	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0655	—	—	0.017	mg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.059	—	—	0.017	mg/L	Y	—	NQ	2013-57	CAMO-12-23850	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.165	—	—	0.015	mg/L	Y	—	J	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0775	—	—	0.015	mg/L	Y	—	U	11-2941	CAPA-11-22894	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.025	—	—	0.015	mg/L	Y	J	U	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0397	—	—	0.015	mg/L	Y	J	U	11-2344	CAPA-11-9328	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1225	CAPA-11-3021	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.034	—	—	0.015	mg/L	Y	J	J	11-1225	CAPA-11-3024	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.037	—	—	0.015	mg/L	Y	J	U	11-128	CAPA-10-27408	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.316	0.692	2.323	—	pCi/L	Y	U	U	2013-58	CAMO-12-23861	ARSL
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.617	0.655	2.244	—	pCi/L	Y	U	U	2013-58	CAMO-12-23849	ARSL
R-38	821.2	04/24/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.626	0.73	2.231	—	pCi/L	Y	U	U	12-1237	CAPA-12-13262	ARSL
R-38	821.2	07/26/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.0322	0.6762	2.3506	—	pCi/L	Y	U	U	11-2942	CAPA-11-22889	ARSL
R-38	821.2	07/26/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.288	0.644	2.2218	—	pCi/L	Y	U	U	11-2942	CAPA-11-22893	ARSL
R-38	821.2	05/06/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.3846	0.7084	2.254	—	pCi/L	Y	U	U	11-2438	CAPA-11-9325	ARSL
R-38	821.2	05/06/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.415	0.8694	2.5116	—	pCi/L	Y	U	U	11-2438	CAPA-11-9327	ARSL
R-38	821.2	01/27/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.2862	0.6118	1.8032	—	pCi/L	N	U	R	11-1276	CAPA-11-3025	ARSL
R-38	821.2	01/27/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.9964	0.5152	1.5778	—	pCi/L	N	U	R	11-1276	CAPA-11-3020	ARSL
R-38	821.2	01/27/11	WG	UF	RE	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.805	0.5152	1.8032	—	pCi/L	Y	U	U	11-1276	CAPA-11-3025	ARSL
R-38	821.2	01/27/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.5152	0.4508	1.5778	—	pCi/L	Y	U	U	11-1276	CAPA-11-3020	ARSL
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.186	0.0258	0.0463	—	pCi/L	Y	—	NQ	2013-57	CAMO-12-23861	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.226	0.0282	0.0565	—	pCi/L	Y	—	NQ	2013-57	CAMO-12-23849	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.282	0.033	0.07	—	pCi/L	Y	—	NQ	10-4046	CAPA-10-24152	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.32	0.037	0.078	—	pCi/L	Y	—	NQ	10-4046	CAPA-10-24148	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.293	0.035	0.059	—	pCi/L	Y	—	NQ	10-3296	CAPA-10-17957	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.331	0.038	0.059	—	pCi/L	Y	—	NQ	10-3296	CAPA-10-17956	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.276	0.032	0.041	—	pCi/L	Y	—	NQ	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.262	0.032	0.082	—	pCi/L	Y	—	NQ	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00794	0.0112	0.041	—	pCi/L	Y	U	U	2013-57	CAMO-12-23849	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00326	0.00564	0.0336	—	pCi/L	Y	U	U	2013-57	CAMO-12-23861	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00594	0.0042	0.033	—	pCi/L	Y	U	U	10-4046	CAPA-10-24152	GELC
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.02	0.0095	0.037	—	pCi/L	Y	U	U	10-4046	CAPA-10-24148	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00667	0.0047	0.04	—	pCi/L	Y	U	U	10-3296	CAPA-10-17956	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0101	0.0059	0.04	—	pCi/L	Y	U	U	10-3296	CAPA-10-17957	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0285	0.01	0.032	—	pCi/L	Y	U	U	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0247	0.011	0.043	—	pCi/L	Y	U	U	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0867	0.0201	0.0384	—	pCi/L	Y	—	NQ	2013-57	CAMO-12-23849	GELC
R-38	821.2	10/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.113	0.0181	0.0315	—	pCi/L	Y	—	NQ	2013-57	CAMO-12-23861	GELC
R-38	821.2	08/06/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.135	0.02	0.042	—	pCi/L	Y	—	NQ	10-4046	CAPA-10-24152	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-38	821.2	08/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.159	0.024	0.047	—	pCi/L	Y	—	NQ	10-4046	CAPA-10-24148	GELC
R-38	821.2	06/02/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.133	0.022	0.044	—	pCi/L	Y	—	NQ	10-3296	CAPA-10-17957	GELC
R-38	821.2	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.119	0.02	0.044	—	pCi/L	Y	—	NQ	10-3296	CAPA-10-17956	GELC
R-38	821.2	03/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.12	0.019	0.029	—	pCi/L	Y	—	NQ	10-2446	CAPA-10-13087	GELC
R-38	821.2	12/17/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.122	0.019	0.051	—	pCi/L	Y	—	NQ	10-995	CAPA-10-6793	GELC
R-38	821.2	10/09/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.93	—	—	3.3	µg/L	Y	J	J	2013-57	CAMO-12-23850	GELC
R-38	821.2	10/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.9	—	—	3.3	µg/L	Y	—	NQ	2013-57	CAMO-12-23868	GELC
R-38	821.2	07/26/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.9	—	—	3.3	µg/L	Y	—	—	11-2941	CAPA-11-22890	GELC
R-38	821.2	07/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.8	—	—	3.3	µg/L	Y	—	NQ	11-2941	CAPA-11-22894	GELC
R-38	821.2	07/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	23.3	—	—	3.3	µg/L	N	—	R	11-2941	CAPA-11-22890	GELC
R-38	821.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.25	—	—	3.3	µg/L	Y	J	J	11-2344	CAPA-11-9326	GELC
R-38	821.2	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.95	—	—	3.3	µg/L	Y	J	J	11-2344	CAPA-11-9328	GELC
R-38	821.2	01/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.58	—	—	3.3	µg/L	Y	J	J	11-1225	CAPA-11-3024	GELC
R-38	821.2	01/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.5	—	—	3.3	µg/L	Y	J	J	11-1225	CAPA-11-3021	GELC
R-38	821.2	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.36	—	—	3.3	µg/L	Y	J	J	11-128	CAPA-10-27408	GELC
R-39	859	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.29	—	—	0.01	SU	Y	H	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.22	—	—	0.01	SU	Y	H	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	J-	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	J-	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.72	—	—	0.01	SU	Y	H	J-	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	J-	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.3	—	—	0.725	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.725	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57	—	—	0.73	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.7	—	—	0.73	mg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.1	—	—	0.73	mg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.7	—	—	0.73	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00398	0.00398	0.0271	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00415	0.00656	0.0283	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0013	0.0047	0.039	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000244	0.005	0.036	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0033	0.0034	0.028	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.016	0.0099	0.038	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.8	—	—	1	µg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.5	—	—	1	µg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.9	—	—	1	µg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.9	—	—	1	µg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.8	—	—	1	µg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.8	—	—	1	µg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.2	—	—	15	µg/L	Y	J	J	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	N	15	—	—	15	µg/L	Y	U	U	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.2	—	—	0.05	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13	—	—	0.05	mg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.2	—	—	0.05	mg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.4	—	—	0.05	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.34	1.13	3.95	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.372	1.47	5.28	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.87	1.4	4.9	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.324	1.5	4.5	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.51	1.1	4	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.92	1.5	5.2	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.15	—	—	0.067	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.16	—	—	0.067	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.13	—	—	0.066	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.21	—	—	0.066	mg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.14	—	—	0.066	mg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.15	—	—	0.066	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.82	—	—	2	µg/L	Y	J	J	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.99	—	—	2	µg/L	Y	J	J	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.08	—	—	2	µg/L	Y	J	J	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	6.68	—	—	2	µg/L	Y	J	U	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	5.25	—	—	2	µg/L	Y	J	U	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.69	—	—	2	µg/L	Y	JN	J-	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.801	1.25	5.19	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.94	1.35	3.77	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.83	1.6	6.8	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.185	1.4	4.5	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.237	1.1	3.7	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.09	1.6	4.6	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	3.74	—	—	3	µg/L	Y	J	J	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	24.2	—	—	3	µg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.255	—	—	0.033	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.243	—	—	0.033	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.316	—	—	0.033	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.269	—	—	0.033	mg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.284	—	—	0.033	mg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.27	—	—	0.033	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.0198	0.405	2.14	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.723	0.664	2.43	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.835	0.73	2.6	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.704	0.57	2	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.532	0.8	3	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.809	0.7	2.4	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.01	0.625	2.05	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	-0.52	0.71	2.81	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.344	0.63	2.3	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.73	0.81	2.5	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.324	0.64	2.3	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.13	0.73	2.4	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.7	—	—	0.453	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.5	—	—	0.453	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.2	—	—	0.45	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.4	—	—	0.45	mg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.2	—	—	0.45	mg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.1	—	—	0.45	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.6	—	—	0.11	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.51	—	—	0.11	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.47	—	—	0.11	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.64	—	—	0.11	mg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.7	—	—	0.11	mg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.43	—	—	0.11	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.67	—	—	0.165	µg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.71	—	—	0.165	µg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.36	—	—	0.17	µg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.29	—	—	0.17	µg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.17	µg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.79	—	—	0.17	µg/L	Y	—	J	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.13	2.74	9.64	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.14	3.32	10.8	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.325	2.4	8.6	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.06	3	9.4	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.942	2.2	7.1	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.68	10	33	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.655	—	—	0.017	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.672	—	—	0.017	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.62	—	—	0.05	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.685	—	—	0.05	mg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.648	—	—	0.1	mg/L	Y	—	J+	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.59	—	—	0.05	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00216	0.00375	0.0246	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00455	0.0072	0.0259	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00242	0.0034	0.042	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0024	0.022	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00227	0.0032	0.034	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00525	0.012	0.052	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00432	0.00684	0.0292	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00455	0.00788	0.0308	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00725	0.0042	0.041	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	2.89E-10	0.0048	0.035	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00227	0.0051	0.031	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0064	0.0045	0.037	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.37	—	—	0.05	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.6	—	—	0.05	mg/L	Y	—	J	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-28.7	15.9	59.4	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.7	19.6	78.5	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.3	18	67	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.7	18	59	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-31.5	17	54	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.3	20	74	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74	—	—	0.053	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.1	—	—	0.053	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.6	—	—	0.053	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.7	—	—	0.053	mg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.4	—	—	0.053	mg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.4	—	—	0.053	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.07	1.36	5.54	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.589	1.17	4.38	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.55	1.7	7	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.05	1.1	3	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.821	1.2	3.8	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.573	1.6	5.2	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	µS/cm	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	1	µS/cm	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	130	—	—	1	µS/cm	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	130	—	—	1	µS/cm	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	1	µS/cm	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.8	—	—	1	µg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.5	—	—	1	µg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.3	—	—	1	µg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.8	—	—	1	µg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.4	—	—	1	µg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.1	—	—	1	µg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.117	0.145	0.492	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.231	0.127	0.483	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.125	0.14	0.5	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.045	0.095	0.36	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.275	0.15	0.47	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.217	0.12	0.48	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.98	—	—	0.133	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.99	—	—	0.133	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.92	—	—	0.1	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.78	—	—	0.1	mg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.92	—	—	0.1	mg/L	Y	—	J	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.02	—	—	0.1	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	3.4	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	107	—	—	3.4	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	3.4	mg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	J	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	2.4	mg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	135	—	—	2.4	mg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.719	—	—	0.33	mg/L	Y	J	J	2013-65	CAPA-12-23763	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.631	—	—	0.33	mg/L	Y	J	J	2013-65	CAPA-12-23802	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.524	—	—	0.33	mg/L	Y	J	J	12-201	CAPA-12-1147	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-39	859	07/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2967	CAPA-11-22896	GELC
R-39	859	04/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.357	—	—	0.33	mg/L	Y	J	J	11-2142	CAPA-11-9340	GELC
R-39	859	01/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-1219	CAPA-11-3026	GELC
R-39	859	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0662	—	—	0.017	mg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0543	—	—	0.017	mg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0341	—	—	0.015	mg/L	Y	J	U	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0752	—	—	0.015	mg/L	Y	—	U	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0248	—	—	0.015	mg/L	Y	J	J	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.02	—	—	0.015	mg/L	Y	J	J	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.208	0.658	2.225	—	pCi/L	Y	U	U	2013-74	CAPA-12-23763	ARSL
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.645	0.708	2.358	—	pCi/L	Y	U	U	2013-74	CAPA-12-23802	ARSL
R-39	859	04/25/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.69	0.614	2.011	—	pCi/L	Y	U	UJ	12-1262	CAPA-12-13232	ARSL
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.63	0.65	2.23	—	pCi/L	Y	U	U	12-244	CAPA-12-1147	ARSL
R-39	859	07/28/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.1252	0.7084	2.2218	—	pCi/L	Y	U	U	11-3020	CAPA-11-22896	ARSL
R-39	859	04/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.5796	0.7728	2.7048	—	pCi/L	Y	U	U	11-2197	CAPA-11-9340	ARSL
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.347	—	—	0.067	µg/L	Y	—	NQ	2013-65	CAPA-12-23766	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.351	—	—	0.067	µg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.307	—	—	0.067	µg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.355	—	—	0.067	µg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.299	—	—	0.067	µg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.389	—	—	0.067	µg/L	Y	—	NQ	11-1220	CAPA-11-3027	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.301	0.0308	0.0457	—	pCi/L	Y	—	NQ	2013-65	CAPA-12-23763	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.296	0.0298	0.0451	—	pCi/L	Y	—	NQ	2013-65	CAPA-12-23802	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.228	0.032	0.052	—	pCi/L	Y	—	NQ	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.348	0.037	0.06	—	pCi/L	Y	—	NQ	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.441	0.048	0.064	—	pCi/L	Y	—	NQ	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.456	0.051	0.055	—	pCi/L	Y	—	NQ	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00776	0.0327	—	pCi/L	Y	U	U	2013-65	CAPA-12-23802	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00963	0.00963	0.0332	—	pCi/L	Y	U	U	2013-65	CAPA-12-23763	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0115	0.0067	0.038	—	pCi/L	Y	U	U	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0179	0.0093	0.028	—	pCi/L	Y	U	U	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0402	0.012	0.044	—	pCi/L	Y	U	U	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00413	0.0066	0.043	—	pCi/L	Y	U	U	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.118	0.0181	0.0307	—	pCi/L	Y	—	NQ	2013-65	CAPA-12-23802	GELC
R-39	859	10/11/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.145	0.0198	0.0311	—	pCi/L	Y	—	NQ	2013-65	CAPA-12-23763	GELC
R-39	859	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.131	0.022	0.061	—	pCi/L	Y	—	NQ	12-201	CAPA-12-1147	GELC
R-39	859	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.124	0.02	0.036	—	pCi/L	Y	—	NQ	10-4140	CAPA-10-24143	GELC
R-39	859	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.189	0.028	0.048	—	pCi/L	Y	—	NQ	10-3296	CAPA-10-17901	GELC
R-39	859	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.261	0.035	0.039	—	pCi/L	Y	—	NQ	10-2176	CAPA-10-12913	GELC
R-39	859	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.14	—	—	1	µg/L	Y	—	NQ	2013-65	CAPA-12-23829	GELC
R-39	859	10/11/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	N	5.61	—	—	1	µg/L	Y	—	U	2013-65	CAPA-12-23766	GELC
R-39	859	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.27	—	—	1	µg/L	Y	—	NQ	12-201	CAPA-12-1146	GELC
R-39	859	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.15	—	—	1	µg/L	Y	—	NQ	11-2967	CAPA-11-22897	GELC
R-39	859	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.89	—	—	1	µg/L	Y	—	NQ	11-2142	CAPA-11-9341	GELC
R-39	859	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	4.82	—	—	1	µg/L	Y	J	U	11-1220	CAPA-11-3027	GELC
R-40 S1	751.59	10/12/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.145	0.69	2.341	—	pCi/L	Y	U	U	2013-74	CAPA-12-23803	ARSL
R-40 S1	751.59	04/26/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.03	0.654	2.09	—	pCi/L	Y	U	UJ	12-1256	CAPA-12-13233	ARSL
R-40 S1	751.59	07/11/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-82.4	48	190	—	pCi/L	Y	U	U	11-2793	CAPA-11-22709	GELC
R-40 S1	751.59	05/05/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.6744	0.6762	2.0608	—	pCi/L	Y	U	U	11-2438	CAPA-11-9304	ARSL
R-40 S1	751.59	01/21/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.8676	0.644	1.8676	—	pCi/L	Y	U	U	11-1211	CAPA-11-2996	ARSL
R-40 S1	751.59	01/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.8032	0.644	1.8676	—	pCi/L	N	U	R	11-1211	CAPA-11-2996	ARSL

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	J-	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	J-	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	J-	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.89	—	—	0.01	SU	Y	H	J-	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	J-	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	J-	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.725	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57	—	—	0.73	mg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.4	—	—	0.73	mg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.9	—	—	0.73	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.5	—	—	0.73	mg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.5	—	—	0.73	mg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.4	—	—	0.73	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0128	0.00951	0.029	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00789	0.004	0.032	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00174	0.0064	0.038	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0263	0.0083	0.032	—	pCi/L	Y	U	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00095	0.0043	0.047	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.77	—	—	1.7	µg/L	Y	J	J	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.38	—	—	1.7	µg/L	Y	J	J	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.6	—	—	1	µg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.7	—	—	1	µg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.5	—	—	1	µg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24	—	—	1	µg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.1	—	—	1	µg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	25	—	—	1	µg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.4	—	—	1	µg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.4	—	—	0.05	mg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.4	—	—	0.05	mg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.8	—	—	0.05	mg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.3	—	—	0.05	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.95	1.51	6.06	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.7	1.4	4.8	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.83	2.2	8.2	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.57	1.2	4.5	—	pCi/L	Y	U	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.202	1.7	5.7	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.92	—	—	0.067	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.85	—	—	0.066	mg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.91	—	—	0.066	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.9	—	—	0.066	mg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2	—	—	0.066	mg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.03	—	—	0.066	mg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.87	—	—	0.066	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.937	1.46	5.44	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.39	1.8	6.4	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.116	1.7	5.7	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.158	1.2	4	—	pCi/L	Y	U	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.701	1.7	5.8	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.204	—	—	0.033	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.241	—	—	0.033	mg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.22	—	—	0.033	mg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.223	—	—	0.033	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.252	—	—	0.033	mg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.264	—	—	0.033	mg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.217	—	—	0.033	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.912	0.828	2.87	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.178	0.51	2.5	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.04	0.9	2.3	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.03	0.46	2.9	—	pCi/L	Y	U	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.35	0.52	2.1	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.07	0.867	2.74	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.12	0.8	2.3	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.77	0.9	2.9	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.673	0.83	2.8	—	pCi/L	Y	U	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.00872	0.79	2.8	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.9	—	—	0.453	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41	—	—	0.45	mg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.4	—	—	0.45	mg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.5	—	—	0.45	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42	—	—	0.45	mg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.4	—	—	0.45	mg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.1	—	—	0.45	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.26	—	—	0.11	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.7	—	—	0.11	mg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.67	—	—	0.11	mg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.74	—	—	0.11	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.91	—	—	0.11	mg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.02	—	—	0.11	mg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.87	—	—	0.11	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.48	—	—	0.165	µg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.53	—	—	0.17	µg/L	Y	—	J	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.33	—	—	0.17	µg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.29	—	—	0.17	µg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.17	µg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.26	—	—	0.17	µg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.35	—	—	0.17	µg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.119	2.88	10.3	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.93	3.2	11	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.5	2.6	9.1	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.16	2.5	8.4	—	pCi/L	Y	U	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	11.5	11	36	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.461	—	—	0.017	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0855	—	—	0.01	mg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.319	—	—	0.05	mg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.333	—	—	0.05	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.388	—	—	0.1	mg/L	Y	J	J	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.363	—	—	0.1	mg/L	Y	J	J	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.359	—	—	0.05	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00556	0.0447	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00984	0.0061	0.043	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00911	0.013	0.02	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.005	0.038	—	pCi/L	Y	U	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0301	0.0099	0.042	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00393	0.0104	0.0531	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00683	0.004	0.042	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0056	0.033	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00746	0.0075	0.034	—	pCi/L	Y	U	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00333	0.0041	0.03	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.61	—	—	0.05	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.52	—	—	0.05	mg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	J	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	J	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.67	—	—	0.05	mg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	29.2	17	62.2	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.6	21	79	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.6	18	57	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	48.6	17	27	—	pCi/L	Y	—	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.3	20	73	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.9	—	—	0.053	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.6	—	—	0.053	mg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.5	—	—	0.053	mg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.3	—	—	0.053	mg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.2	—	—	0.053	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.92	—	—	0.1	mg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.62	1.6	6.51	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.14	1.7	6.4	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.44	1.3	3.5	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.535	1.1	3.5	—	pCi/L	Y	U	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.919	1.8	5.5	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	1	µS/cm	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	122	—	—	1	µS/cm	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	µS/cm	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	1	µS/cm	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	µS/cm	Y	—	NQ	11-2196	CAPA-11-9343	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	122	—	—	1	µS/cm	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120	—	—	1	µS/cm	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.6	—	—	1	µg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.4	—	—	1	µg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	49.5	—	—	1	µg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	49.1	—	—	1	µg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.6	—	—	1	µg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	49.6	—	—	1	µg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.5	—	—	1	µg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0534	0.135	0.499	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.113	0.14	0.49	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.461	0.16	0.47	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00441	0.13	0.49	—	pCi/L	Y	U	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.111	0.13	0.48	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.12	—	—	0.133	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2	—	—	0.1	mg/L	Y	—	J+	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.96	—	—	0.1	mg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.95	—	—	0.1	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.16	—	—	0.1	mg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.17	—	—	0.1	mg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.1	—	—	0.1	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	97.1	—	—	3.4	mg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	J	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	2.4	mg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	128	—	—	2.4	mg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	2.4	mg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.686	—	—	0.33	mg/L	Y	J	J	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/08/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.965	—	—	0.33	mg/L	Y	J	J	11-2774	CAPA-11-22901	GELC
R-40 S2	849.27	07/08/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.487	—	—	0.33	mg/L	Y	J	J	11-2774	CAPA-11-22899	GELC
R-40 S2	849.27	04/26/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2195	CAPA-11-9306	GELC
R-40 S2	849.27	04/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.52	—	—	0.33	mg/L	Y	J	J	11-2195	CAPA-11-9344	GELC
R-40 S2	849.27	01/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.487	—	—	0.33	mg/L	Y	J	J	11-1139	CAPA-11-3030	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0405	—	—	0.017	mg/L	Y	J	J	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0637	—	—	0.015	mg/L	Y	—	U	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0589	—	—	0.015	mg/L	Y	—	U	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.172	—	—	0.015	mg/L	Y	—	U	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0495	—	—	0.015	mg/L	Y	J	U	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0533	—	—	0.015	mg/L	Y	—	U	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.029	—	—	0.015	mg/L	Y	J	U	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.152	0.744	2.418	—	pCi/L	Y	U	U	2013-74	CAPA-12-23804	ARSL
R-40 S2	849.27	05/01/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.044	0.674	2.291	—	pCi/L	Y	U	UJ	12-1271	CAPA-12-13234	ARSL
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.03	0.61	2.09	—	pCi/L	Y	U	U	12-171	CAPA-12-1150	ARSL
R-40 S2	849.27	07/08/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.9016	0.7084	2.3828	—	pCi/L	Y	U	U	11-2800	CAPA-11-22901	ARSL
R-40 S2	849.27	07/08/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.644	0.5152	1.8032	—	pCi/L	Y	U	U	11-2800	CAPA-11-22899	ARSL
R-40 S2	849.27	04/26/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.3202	0.7728	2.7048	—	pCi/L	Y	U	U	11-2197	CAPA-11-9306	ARSL
R-40 S2	849.27	04/26/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.0608	0.805	2.7048	—	pCi/L	Y	U	U	11-2197	CAPA-11-9344	ARSL
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.312	—	—	0.067	µg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.272	—	—	0.067	µg/L	Y	—	NQ	12-133	CAPA-12-1149	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.27	—	—	0.067	µg/L	Y	—	NQ	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.284	—	—	0.067	µg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.283	—	—	0.067	µg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.292	—	—	0.067	µg/L	Y	—	NQ	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.328	—	—	0.067	µg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.214	0.0242	0.0376	—	pCi/L	Y	—	NQ	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.174	0.028	0.051	—	pCi/L	Y	—	NQ	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.255	0.035	0.093	—	pCi/L	Y	—	NQ	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.307	0.037	0.064	—	pCi/L	Y	—	NQ	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.312	0.039	0.053	—	pCi/L	Y	—	NQ	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00528	0.00747	0.0273	—	pCi/L	Y	U	U	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0151	0.0076	0.038	—	pCi/L	Y	U	U	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00396	0.0069	0.044	—	pCi/L	Y	U	U	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0108	0.0063	0.043	—	pCi/L	Y	U	U	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.000241	0.0051	0.042	—	pCi/L	Y	U	U	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.13	0.0178	0.0256	—	pCi/L	Y	—	NQ	2013-70	CAPA-12-23804	GELC
R-40 S2	849.27	10/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0915	0.02	0.06	—	pCi/L	Y	—	NQ	12-133	CAPA-12-1150	GELC
R-40 S2	849.27	07/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.112	0.021	0.056	—	pCi/L	Y	—	NQ	10-3850	CAPA-10-24145	GELC
R-40 S2	849.27	06/03/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.143	0.023	0.048	—	pCi/L	Y	—	NQ	10-3308	CAPA-10-17908	GELC
R-40 S2	849.27	02/23/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.103	0.02	0.038	—	pCi/L	Y	—	NQ	10-2040	CAPA-10-12917	GELC
R-40 S2	849.27	10/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.38	—	—	1	µg/L	Y	—	NQ	2013-70	CAPA-12-23831	GELC
R-40 S2	849.27	10/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.63	—	—	1	µg/L	Y	J	J	12-133	CAPA-12-1149	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.1	—	—	1	µg/L	Y	—	NQ	11-2775	CAPA-11-22903	GELC
R-40 S2	849.27	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.99	—	—	1	µg/L	Y	J	J	11-2775	CAPA-11-22902	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.79	—	—	1	µg/L	Y	J	J	11-2196	CAPA-11-9343	GELC
R-40 S2	849.27	04/26/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.2	—	—	1	µg/L	Y	—	NQ	11-2196	CAPA-11-9307	GELC
R-40 S2	849.27	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.81	—	—	1	µg/L	Y	—	NQ	11-1139	CAPA-11-3029	GELC
R-40 Si	649.67	10/22/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.431	0.679	2.094	—	pCi/L	Y	U	U	2013-217	CAPA-12-23805	ARSL
R-40 Si	649.67	05/07/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.248	0.652	2.195	—	pCi/L	Y	U	UJ	12-1289	CAPA-12-13235	ARSL
R-40 Si	649.67	11/01/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.5	0.66	2.21	—	pCi/L	Y	U	U	12-244	CAPA-12-1124	ARSL
R-40 Si	649.67	10/20/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.805	0.6762	2.1896	—	pCi/L	Y	U	U	11-304	CAPA-10-26917	ARSL
R-40 Si	649.67	10/20/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.8354	0.7084	2.093	—	pCi/L	N	U	R	11-304	CAPA-10-26917	ARSL
R-40 Si	649.67	07/28/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.6046	0.966	1.9964	—	pCi/L	N	—	R	10-3986	CAPA-10-24070	ARSL
R-40 Si	649.67	07/28/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.771	0.6762	1.9964	—	pCi/L	Y	U	U	10-3986	CAPA-10-24070	ARSL
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	J-	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	J-	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	J-	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	J-	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	J-	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.7	—	—	0.725	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.4	—	—	0.73	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.3	—	—	0.73	mg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.9	—	—	0.73	mg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.2	—	—	0.73	mg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.1	—	—	0.73	mg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0152	0.00804	0.0258	—	pCi/L	Y	U	U	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0057	0.0032	0.037	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00169	0.0028	0.022	—	pCi/L	Y	U	U	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00154	0.0031	0.025	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00111	0.004	0.043	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000455	0.0017	0.03	—	pCi/L	Y	U	U	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.6	—	—	1	µg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.1	—	—	1	µg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.6	—	—	1	µg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.9	—	—	1	µg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.2	—	—	1	µg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.7	—	—	1	µg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.9	—	—	15	µg/L	Y	J	J	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.9	—	—	15	µg/L	Y	J	J	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.9	—	—	15	µg/L	Y	J	J	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.5	—	—	0.05	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.6	—	—	0.05	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.2	—	—	0.05	mg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.6	—	—	0.05	mg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.7	—	—	0.05	mg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.5	—	—	0.05	mg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.04	1.77	6.08	—	pCi/L	Y	U	U	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.75	1.7	5.1	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.24	1.7	5.5	—	pCi/L	Y	U	U	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.83	1.4	4.1	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.279	1.1	3.7	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0657	1	3.4	—	pCi/L	Y	U	U	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.07	—	—	0.067	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.11	—	—	0.066	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.98	—	—	0.066	mg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.02	—	—	0.066	mg/L	Y	—	J	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.05	—	—	0.066	mg/L	Y	—	J+	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.05	—	—	0.066	mg/L	Y	—	J+	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.11	—	—	2	µg/L	Y	J	J	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.09	—	—	2	µg/L	Y	J	J	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	4.13	—	—	2	µg/L	Y	J	U	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.3	—	—	2	µg/L	Y	J	J	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.97	—	—	2.5	µg/L	Y	J	J	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.38	—	—	2.5	µg/L	Y	J	J	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.2	1.88	7.28	—	pCi/L	Y	U	U	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.584	1.6	5.5	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.901	1.8	5.5	—	pCi/L	Y	U	U	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.492	1.6	5.1	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.173	1.3	4.2	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.383	1.3	4.3	—	pCi/L	Y	U	U	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.295	—	—	0.033	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.33	—	—	0.033	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.337	—	—	0.033	mg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.306	—	—	0.033	mg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.305	—	—	0.033	mg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.298	—	—	0.033	mg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.45	0.754	2.13	—	pCi/L	Y	U	U	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.484	0.69	2.7	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.439	0.64	2.5	—	pCi/L	Y	U	U	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.871	0.67	2.3	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.627	0.67	2.5	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.124	0.59	2.7	—	pCi/L	Y	U	U	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.91	0.899	2.61	—	pCi/L	Y	—	NQ	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.34	0.88	2.7	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.25	0.78	2.4	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.76	0.79	2.3	—	pCi/L	Y	—	NQ	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.68	0.74	2.6	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.438	0.66	2.4	—	pCi/L	Y	U	U	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.4	—	—	0.453	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.8	—	—	0.45	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.8	—	—	0.45	mg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.3	—	—	0.35	mg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.1	—	—	0.35	mg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.4	—	—	0.35	mg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.95	—	—	0.11	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.07	—	—	0.11	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.08	—	—	0.11	mg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.84	—	—	0.085	mg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.9	—	—	0.085	mg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.98	—	—	0.085	mg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.49	—	—	0.165	µg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.82	—	—	0.17	µg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.85	—	—	0.17	µg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.51	—	—	0.17	µg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.71	—	—	0.1	µg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.29	—	—	0.1	µg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.85	2.96	10.1	—	pCi/L	Y	U	U	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.38	3.3	11	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.44	3.5	12	—	pCi/L	Y	U	U	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.86	2.6	7.7	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-7.32	10	31	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	10.5	10	35	—	pCi/L	Y	U	U	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.43	—	—	0.5	µg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.62	—	—	0.5	µg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.12	—	—	0.5	µg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.59	—	—	0.5	µg/L	Y	J	J	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.08	—	—	0.5	µg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.83	—	—	0.5	µg/L	Y	J	J	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.733	—	—	0.017	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.71	—	—	0.05	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.685	—	—	0.1	mg/L	Y	—	J+	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.575	—	—	0.05	mg/L	Y	—	J-	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.565	—	—	0.05	mg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.555	—	—	0.05	mg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00189	0.00568	0.0215	—	pCi/L	Y	U	U	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	4.23E-10	0.0071	0.032	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00348	0.0055	0.026	—	pCi/L	Y	U	U	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0118	0.0073	0.025	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0475	0.015	0.048	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.002	0.029	—	pCi/L	Y	U	U	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00757	0.00464	0.0256	—	pCi/L	Y	U	U	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	2.12E-10	0.005	0.052	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00506	0.0045	0.023	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-8.3E-10	0.0043	0.024	—	pCi/L	Y	U	U	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00374	0.0046	0.033	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00395	0.0028	0.031	—	pCi/L	Y	U	U	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.95	—	—	0.05	mg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.99	—	—	0.05	mg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.85	—	—	0.05	mg/L	Y	—	J	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.89	—	—	0.05	mg/L	Y	—	J	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.6	19.4	75.4	—	pCi/L	Y	U	U	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-22.8	21	67	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-33.2	18	54	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.6	19	64	—	pCi/L	Y	U	U	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-19.7	17	53	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.23	16	56	—	pCi/L	Y	U	U	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.8	—	—	0.053	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.5	—	—	0.053	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.7	—	—	0.053	mg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.6	—	—	0.053	mg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	61.4	—	—	0.053	mg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.5	—	—	0.053	mg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.2	—	—	0.1	mg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	J+	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	J+	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.974	1.42	5.8	—	pCi/L	Y	U	U	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.142	1.5	5	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-4.8	1.8	4.1	—	pCi/L	Y	U	U	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.63	1.4	4.1	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.127	1.3	4.1	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.46	1.5	5	—	pCi/L	Y	U	U	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	158	—	—	1	µS/cm	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	157	—	—	1	µS/cm	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	158	—	—	1	µS/cm	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	162	—	—	1	µS/cm	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	164	—	—	1	µS/cm	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	165	—	—	1	µS/cm	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	75.2	—	—	1	µg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	74.5	—	—	1	µg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	75.1	—	—	1	µg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	77.5	—	—	1	µg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	75.9	—	—	1	µg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	75	—	—	1	µg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.176	0.139	0.475	—	pCi/L	Y	U	U	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0263	0.13	0.48	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0143	0.14	0.48	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.168	0.12	0.48	—	pCi/L	Y	U	U	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.419	0.15	0.47	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.291	0.11	0.44	—	pCi/L	Y	U	U	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.32	—	—	0.133	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.36	—	—	0.1	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.55	—	—	0.1	mg/L	Y	—	J	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.5	—	—	0.1	mg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.56	—	—	0.1	mg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.64	—	—	0.1	mg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	3.4	mg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	2.4	mg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	132	—	—	2.4	mg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	—	—	2.4	mg/L	Y	—	J	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	2.4	mg/L	Y	—	J	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.626	—	—	0.33	mg/L	Y	J	J	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	07/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.43	—	—	0.33	mg/L	Y	J	J	11-2846	CAPA-11-22904	GELC
R-41 S2	965.3	04/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.428	—	—	0.33	mg/L	Y	J	J	11-2142	CAPA-11-9358	GELC
R-41 S2	965.3	01/12/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-1068	CAPA-11-3032	GELC
R-41 S2	965.3	10/08/10	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.4	—	—	0.33	mg/L	Y	J	U	11-97	CAPA-10-27402	GELC
R-41 S2	965.3	10/08/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.416	—	—	0.33	mg/L	Y	J	U	11-97	CAPA-10-27405	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0369	—	—	0.017	mg/L	Y	J	J	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0245	—	—	0.015	mg/L	Y	J	U	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0316	—	—	0.015	mg/L	Y	J	J	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.035	—	—	0.015	mg/L	Y	J	J	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.036	—	—	0.015	mg/L	Y	J	U	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.034	—	—	0.015	mg/L	Y	J	U	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.381	0.655	2.198	—	pCi/L	Y	U	U	2013-74	CAPA-12-23806	ARSL
R-41 S2	965.3	04/24/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.883	0.689	2.238	—	pCi/L	Y	U	U	12-1238	CAPA-12-13236	ARSL
R-41 S2	965.3	07/15/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.1288	0.7406	2.4794	—	pCi/L	Y	U	U	11-2878	CAPA-11-22904	ARSL
R-41 S2	965.3	04/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.8694	0.7406	2.5116	—	pCi/L	Y	U	U	11-2197	CAPA-11-9358	ARSL
R-41 S2	965.3	01/12/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.8032	0.7084	2.093	—	pCi/L	Y	U	U	11-1122	CAPA-11-3032	ARSL
R-41 S2	965.3	01/12/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.0286	0.7084	2.093	—	pCi/L	N	U	R	11-1122	CAPA-11-3032	ARSL
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.468	—	—	0.067	µg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.492	—	—	0.067	µg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.393	—	—	0.067	µg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.556	—	—	0.067	µg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.648	—	—	0.05	µg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.684	—	—	0.05	µg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.389	0.0316	0.0411	—	pCi/L	Y	—	J	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.511	0.053	0.081	—	pCi/L	Y	—	NQ	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.539	0.054	0.058	—	pCi/L	Y	—	NQ	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.449	0.046	0.052	—	pCi/L	Y	—	NQ	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.436	0.049	0.052	—	pCi/L	Y	—	NQ	10-2176	CAPA-10-12919	GELC
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.553	0.048	0.052	—	pCi/L	Y	—	NQ	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0145	0.00765	0.0299	—	pCi/L	Y	U	U	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0104	0.006	0.038	—	pCi/L	Y	U	U	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0294	0.011	0.039	—	pCi/L	Y	U	U	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0207	0.009	0.035	—	pCi/L	Y	U	U	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0148	0.0075	0.041	—	pCi/L	Y	U	U	10-2176	CAPA-10-12919	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0334	0.0084	0.027	—	pCi/L	Y	—	NQ	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.161	0.02	0.028	—	pCi/L	Y	—	J	2013-66	CAPA-12-23806	GELC
R-41 S2	965.3	08/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.182	0.026	0.049	—	pCi/L	Y	—	NQ	10-4075	CAPA-10-24131	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.211	0.028	0.043	—	pCi/L	Y	—	NQ	10-3368	CAPA-10-17910	GELC
R-41 S2	965.3	06/09/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.189	0.025	0.039	—	pCi/L	Y	—	NQ	10-3368	CAPA-10-17914	GELC
R-41 S2	965.3	02/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.179	0.027	0.037	—	pCi/L	Y	—	NQ	10-2176	CAPA-10-12919	GELC
R-41 S2	965.3	12/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.245	0.026	0.033	—	pCi/L	Y	—	NQ	10-953	CAPA-10-6818	GELC
R-41 S2	965.3	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.69	—	—	1	µg/L	Y	—	NQ	2013-66	CAPA-12-23833	GELC
R-41 S2	965.3	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.04	—	—	1	µg/L	Y	—	NQ	11-2846	CAPA-11-22906	GELC
R-41 S2	965.3	04/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.77	—	—	1	µg/L	Y	—	NQ	11-2142	CAPA-11-9357	GELC
R-41 S2	965.3	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.23	—	—	1	µg/L	Y	—	NQ	11-1069	CAPA-11-3033	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.87	—	—	1	µg/L	Y	—	NQ	11-97	CAPA-10-27404	GELC
R-41 S2	965.3	10/08/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.83	—	—	1	µg/L	Y	—	NQ	11-97	CAPA-10-27403	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	3.08	—	—	3	µg/L	Y	J	J	2013-87	CAPA-12-23807	GELC
R-49 S1	845	04/26/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3	µg/L	Y	UH	UJ	12-1250	CAPA-12-13237	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3.5	µg/L	Y	U	UJ	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3.5	µg/L	Y	U	UJ	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3.5	µg/L	Y	U	UJ	11-2263	CAPA-11-9366	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	J-	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	J-	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	J-	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	J-	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.6	—	—	0.725	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.4	—	—	0.73	mg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.3	—	—	0.73	mg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.2	—	—	0.73	mg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.9	—	—	0.73	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00249	0.00432	0.034	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00664	0.0059	0.034	—	pCi/L	Y	U	U	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00827	0.0065	0.028	—	pCi/L	Y	U	U	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0149	0.0071	0.05	—	pCi/L	Y	U	U	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000721	0.0087	0.029	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.87	—	—	1.7	µg/L	Y	J	J	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.42	—	—	1.7	µg/L	Y	J	J	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.95	—	—	1.7	µg/L	Y	J	J	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.1	—	—	1	µg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.6	—	—	1	µg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.4	—	—	1	µg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.6	—	—	1	µg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21	—	—	1	µg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.2	—	—	0.05	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.5	—	—	0.05	mg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.6	—	—	0.05	mg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.6	—	—	0.05	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0761	1.34	4.82	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.839	1.2	4	—	pCi/L	Y	U	U	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-6.32	2.3	7.7	—	pCi/L	Y	U	U	11-2778	CAPA-11-22697	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.129	1.3	4.3	—	pCi/L	Y	U	U	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.78	1.1	2.9	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.7	—	—	0.067	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.67	—	—	0.066	mg/L	Y	—	J-	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.75	—	—	0.066	mg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.89	—	—	0.066	mg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.75	—	—	0.066	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.75	—	—	2	µg/L	Y	J	J	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	UJ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.18	—	—	2	µg/L	Y	J	J	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.049	1.28	5.05	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0691	1.1	4.3	—	pCi/L	Y	U	U	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.09	1.9	6.6	—	pCi/L	Y	U	U	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.24	1.5	4.6	—	pCi/L	Y	U	U	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.18	1	3.3	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.277	—	—	0.033	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.305	—	—	0.033	mg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.291	—	—	0.033	mg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.334	—	—	0.033	mg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.255	—	—	0.033	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.316	0.548	2.68	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.72	0.94	2.8	—	pCi/L	Y	U	U	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.964	0.7	2.4	—	pCi/L	Y	U	U	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.14	0.88	2.9	—	pCi/L	Y	U	U	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.93	0.84	2	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.9	0.755	2.38	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.83	1.1	2.5	—	pCi/L	Y	—	NQ	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.852	0.78	2.6	—	pCi/L	Y	U	U	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.68	0.9	2.6	—	pCi/L	Y	—	NQ	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.62	1.1	3.3	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.3	—	—	0.453	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.6	—	—	0.45	mg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.3	—	—	0.45	mg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.5	—	—	0.45	mg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.5	—	—	0.45	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.97	—	—	0.11	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.53	—	—	0.11	mg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.59	—	—	0.11	mg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.75	—	—	0.11	mg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.68	—	—	0.11	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.07	—	—	0.165	µg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.9	—	—	0.17	µg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.93	—	—	0.17	µg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.06	—	—	0.17	µg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.13	—	—	0.17	µg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.674	2.58	9.29	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.6	2.4	8.2	—	pCi/L	Y	U	U	12-195	CAPA-12-1153	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.44	2.4	8	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.27	2.5	9	—	pCi/L	Y	U	U	11-92	CAPA-10-27418	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-49 S1	845	07/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.00819	3.1	9.3	—	pCi/L	Y	U	U	10-3907	CAPA-10-24650	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.43	—	—	0.5	µg/L	Y	J	J	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.929	—	—	0.5	µg/L	Y	J	J	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.612	—	—	0.5	µg/L	Y	J	J-	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.879	—	—	0.5	µg/L	Y	J	J	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.16	—	—	0.5	µg/L	Y	J	J	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.56	—	—	0.085	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.63	—	—	0.05	mg/L	Y	—	J	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.515	—	—	0.05	mg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.405	—	—	0.01	mg/L	Y	—	J-	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.555	—	—	0.05	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00544	0.0437	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0124	0.0089	0.043	—	pCi/L	Y	U	U	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00232	0.0052	0.035	—	pCi/L	Y	U	U	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00169	0.0051	0.027	—	pCi/L	Y	U	U	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00575	0.0043	0.021	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00543	0.0519	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00247	0.0043	0.042	—	pCi/L	Y	U	U	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00464	0.0073	0.048	—	pCi/L	Y	U	U	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00506	0.0034	0.043	—	pCi/L	Y	U	U	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0019	0.038	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.7	—	—	0.05	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.69	—	—	0.05	mg/L	Y	—	J	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.9	—	—	0.05	mg/L	Y	—	J	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.89	23.3	49.6	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22.5	25	46	—	pCi/L	Y	U	U	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-32.4	20	64	—	pCi/L	Y	U	U	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13.7	24	81	—	pCi/L	Y	U	U	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.3	17	61	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.5	—	—	0.053	mg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.2	—	—	0.053	mg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.9	—	—	0.053	mg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.4	—	—	0.053	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.6	—	—	0.1	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.1	—	—	0.1	mg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.5	—	—	0.1	mg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.6	—	—	0.1	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.61	1.26	4.37	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.576	1.2	4.9	—	pCi/L	Y	U	U	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.35	1.6	4.9	—	pCi/L	Y	U	U	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.11	1.4	4.2	—	pCi/L	Y	U	U	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.07	1.4	5	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	146	—	—	1	µS/cm	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	149	—	—	1	µS/cm	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	151	—	—	1	µS/cm	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	155	—	—	1	µS/cm	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	1	µS/cm	Y	—	NQ	11-1142	CAPA-11-3037	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.6	—	—	1	µg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.8	—	—	1	µg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	57.6	—	—	1	µg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.1	—	—	1	µg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61.7	—	—	1	µg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0472	0.127	0.436	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.329	0.13	0.48	—	pCi/L	Y	U	U	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.187	0.12	0.48	—	pCi/L	Y	U	U	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0919	0.14	0.5	—	pCi/L	Y	U	U	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.188	0.13	0.48	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.11	—	—	0.133	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.12	—	—	0.1	mg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.07	—	—	0.1	mg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.56	—	—	0.1	mg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.43	—	—	0.1	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	110	—	—	3.4	mg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	2.4	mg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	145	—	—	2.4	mg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.83	—	—	0.33	mg/L	Y	J	J	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.726	—	—	0.33	mg/L	Y	J	J	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.2	—	—	0.33	mg/L	Y	—	NQ	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.666	—	—	0.33	mg/L	Y	J	J	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.15	—	—	0.33	mg/L	Y	—	NQ	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0397	—	—	0.017	mg/L	Y	J	J	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0248	—	—	0.015	mg/L	Y	J	U	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.152	—	—	0.015	mg/L	Y	—	U	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.041	—	—	0.015	mg/L	Y	J	U	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.051	—	—	0.015	mg/L	Y	—	U	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.562	0.738	2.476	—	pCi/L	Y	U	U	2013-118	CAPA-12-23807	ARSL
R-49 S1	845	04/26/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.444	0.659	2.199	—	pCi/L	Y	U	UJ	12-1256	CAPA-12-13237	ARSL
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.3	0.65	2.19	—	pCi/L	Y	U	U	12-244	CAPA-12-1153	ARSL
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.1932	0.7084	2.3828	—	pCi/L	Y	U	U	11-2800	CAPA-11-22697	ARSL
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.1288	0.7406	2.4794	—	pCi/L	Y	U	U	11-2264	CAPA-11-9366	ARSL
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.757	—	—	0.067	µg/L	Y	—	NQ	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.747	—	—	0.067	µg/L	Y	—	NQ	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.861	—	—	0.067	µg/L	Y	—	NQ	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.878	—	—	0.067	µg/L	Y	—	NQ	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.07	—	—	0.067	µg/L	Y	—	NQ	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.653	0.0433	0.0478	—	pCi/L	Y	—	NQ	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.894	0.082	0.049	—	pCi/L	Y	—	NQ	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.729	0.071	0.066	—	pCi/L	Y	—	NQ	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.818	0.086	0.12	—	pCi/L	Y	—	NQ	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.923	0.081	0.05	—	pCi/L	Y	—	NQ	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0202	0.00951	0.0347	—	pCi/L	Y	U	U	2013-87	CAPA-12-23807	GELC
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0363	0.013	0.036	—	pCi/L	Y	—	U	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0149	0.012	0.036	—	pCi/L	Y	U	U	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0111	0.018	0.09	—	pCi/L	Y	U	U	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.025	0.009	0.037	—	pCi/L	Y	U	U	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.234	0.0258	0.0325	—	pCi/L	Y	—	NQ	2013-87	CAPA-12-23807	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-49 S1	845	10/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.494	0.052	0.057	—	pCi/L	Y	—	NQ	12-195	CAPA-12-1153	GELC
R-49 S1	845	07/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.265	0.035	0.04	—	pCi/L	Y	—	NQ	11-2778	CAPA-11-22697	GELC
R-49 S1	845	05/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.279	0.042	0.061	—	pCi/L	Y	—	NQ	11-2263	CAPA-11-9366	GELC
R-49 S1	845	01/19/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.338	0.038	0.035	—	pCi/L	Y	—	NQ	11-1142	CAPA-11-3036	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.58	—	—	1	µg/L	Y	J	J	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.92	—	—	1	µg/L	Y	J	J	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.73	—	—	1	µg/L	Y	J	J	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.78	—	—	1	µg/L	Y	J	J	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.13	—	—	1	µg/L	Y	J	J	11-1142	CAPA-11-3037	GELC
R-49 S1	845	10/15/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.43	—	—	3.3	µg/L	Y	J	J	2013-87	CAPA-12-23834	GELC
R-49 S1	845	10/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.04	—	—	3.3	µg/L	Y	J	J	12-195	CAPA-12-1151	GELC
R-49 S1	845	07/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2778	CAPA-11-22698	GELC
R-49 S1	845	05/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2263	CAPA-11-9367	GELC
R-49 S1	845	01/19/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.96	—	—	3.3	µg/L	Y	J	J	11-1142	CAPA-11-3037	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	J-	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	J-	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	J-	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	J-	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.1	—	—	0.725	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.9	—	—	0.73	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.9	—	—	0.73	mg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.6	—	—	0.73	mg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.6	—	—	0.73	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0124	0.0124	0.0472	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00865	0.0075	0.034	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.014	0.0092	0.015	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0114	0.0043	0.033	—	pCi/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00295	0.0056	0.028	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.5	—	—	1	µg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.3	—	—	1	µg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	20.4	—	—	1	µg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21	—	—	1	µg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.1	—	—	1	µg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.1	—	—	0.05	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13	—	—	0.05	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13	—	—	0.05	mg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.543	1.3	4.65	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.467	1.4	5.4	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.49	1.4	4.5	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-4.66	2	6	—	pCi/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.49	2.1	6.1	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.54	—	—	0.067	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.4	—	—	0.066	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.45	—	—	0.066	mg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.54	—	—	0.066	mg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.34	—	—	0.066	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.91	1.52	5.45	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.17	1.6	7	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.06	1.6	5.3	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.56	1.7	5.1	—	pCi/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.91	1.4	5	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.289	—	—	0.033	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.301	—	—	0.033	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.312	—	—	0.033	mg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.268	—	—	0.033	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.899	0.682	2.35	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.31	0.79	2.5	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0848	0.55	2.5	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.19	1	2.9	—	pCi/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.333	0.65	2.4	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.924	0.855	2.9	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.518	0.66	2.3	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.29	0.88	2.9	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.1	0.89	2.9	—	pCi/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.456	0.71	2.5	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.6	—	—	0.453	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.7	—	—	0.45	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.1	—	—	0.45	mg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.4	—	—	0.45	mg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.2	—	—	0.45	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.63	—	—	0.11	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.45	—	—	0.11	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.23	—	—	0.11	mg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.59	—	—	0.11	mg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.47	—	—	0.11	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.165	µg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.17	µg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.24	—	—	0.17	µg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.17	µg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.66	—	—	0.17	µg/L	Y	—	J	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-7.35	3.08	9.56	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.34	2.9	9.8	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2	2.6	8.2	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.72	3.4	11	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.31	3	9.8	—	pCi/L	Y	U	U	11-92	CAPA-10-27423	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.537	—	—	0.5	µg/L	Y	J	J	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.901	—	—	0.5	µg/L	Y	J	J	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.541	—	—	0.5	µg/L	Y	J	J	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.754	—	—	0.5	µg/L	Y	J	J	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.665	—	—	0.5	µg/L	Y	J	U	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.69	—	—	0.017	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.67	—	—	0.05	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.725	—	—	0.05	mg/L	Y	—	J-	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.566	—	—	0.01	mg/L	Y	—	J-	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.635	—	—	0.05	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00523	0.00905	0.0502	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00264	0.0032	0.035	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00732	0.0086	0.031	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.002	0.002	0.031	—	pCi/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00906	0.0051	0.025	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00522	0.00905	0.0834	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00286	0.0041	0.034	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0018	0.045	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.002	0.0035	0.051	—	pCi/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0023	0.041	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.44	—	—	0.05	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.32	—	—	0.05	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.33	—	—	0.05	mg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.59	—	—	0.05	mg/L	Y	—	J	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.47	—	—	0.05	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.26	18.4	68.1	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-30.6	17	61	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-28.3	18	58	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-9.01	16	49	—	pCi/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	30	19	71	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.6	—	—	0.053	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.7	—	—	0.053	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.1	—	—	0.053	mg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.2	—	—	0.053	mg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.8	—	—	0.053	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.72	—	—	0.1	mg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.2	1.56	5.14	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.48	1.6	5.1	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.53	1.5	5.2	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0712	1.4	4.5	—	pCi/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.88	1.9	5.5	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	139	—	—	1	µS/cm	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	1	µS/cm	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	µS/cm	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.4	—	—	1	µg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.2	—	—	1	µg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.8	—	—	1	µg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.4	—	—	1	µg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.1	—	—	1	µg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.238	0.148	0.488	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0951	0.14	0.48	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.185	0.12	0.48	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.385	0.16	0.5	—	pCi/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.149	0.13	0.49	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.73	—	—	0.133	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.49	—	—	0.1	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.46	—	—	0.1	mg/L	Y	—	J+	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.78	—	—	0.1	mg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.54	—	—	0.1	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	3.4	mg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	2.4	mg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	138	—	—	2.4	mg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.09	—	—	0.035	mg/L	Y	J	J	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.18	mg/L	Y	U	UJ	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0376	—	—	0.035	mg/L	Y	J	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.064	—	—	0.033	mg/L	Y	J	U	11-1219	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.891	—	—	0.33	mg/L	Y	J	J	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.458	—	—	0.33	mg/L	Y	J	J	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-1219	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.569	0.825	2.581	—	pCi/L	Y	U	U	2013-253	CAPA-12-23808	ARSL
R-49 S2	905.6	05/01/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.414	0.662	2.209	—	pCi/L	Y	U	UJ	12-1271	CAPA-12-13405	ARSL
R-49 S2	905.6	05/01/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.094	0.628	2.127	—	pCi/L	Y	U	UJ	12-1271	CAPA-12-13238	ARSL
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	5.62	1.12	2.18	—	pCi/L	Y	—	NQ	12-244	CAPA-12-1156	ARSL
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.483	0.644	2.2218	—	pCi/L	Y	U	U	11-2942	CAPA-11-22909	ARSL
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.093	0.805	2.6726	—	pCi/L	Y	U	U	11-2264	CAPA-11-9378	ARSL
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.376	—	—	0.067	µg/L	Y	—	NQ	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.33	—	—	0.067	µg/L	Y	—	NQ	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.293	—	—	0.067	µg/L	Y	—	NQ	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.338	—	—	0.067	µg/L	Y	—	NQ	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.357	—	—	0.067	µg/L	Y	—	NQ	11-1220	CAPA-11-3038	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.265	0.0409	0.109	—	pCi/L	Y	—	J	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.186	0.032	0.066	—	pCi/L	Y	—	NQ	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.232	0.026	0.034	—	pCi/L	Y	—	NQ	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.282	0.039	0.095	—	pCi/L	Y	—	NQ	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.249	0.032	0.051	—	pCi/L	Y	—	NQ	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0116	0.0116	0.068	—	pCi/L	Y	U	U	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0049	0.049	—	pCi/L	Y	U	U	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0185	0.0063	0.021	—	pCi/L	Y	U	U	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00453	0.0078	0.073	—	pCi/L	Y	U	U	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00956	0.0072	0.038	—	pCi/L	Y	U	U	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.141	0.0274	0.0739	—	pCi/L	Y	—	J	2013-234	CAPA-12-23808	GELC
R-49 S2	905.6	10/27/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0993	0.021	0.078	—	pCi/L	Y	—	NQ	12-201	CAPA-12-1156	GELC
R-49 S2	905.6	07/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.118	0.016	0.026	—	pCi/L	Y	—	NQ	11-2926	CAPA-11-22909	GELC
R-49 S2	905.6	04/29/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.168	0.028	0.05	—	pCi/L	Y	—	NQ	11-2250	CAPA-11-9378	GELC
R-49 S2	905.6	01/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.121	0.02	0.037	—	pCi/L	Y	—	NQ	11-1220	CAPA-11-3039	GELC
R-49 S2	905.6	10/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.67	—	—	1	µg/L	Y	J	J	2013-234	CAPA-12-23835	GELC
R-49 S2	905.6	10/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.69	—	—	1	µg/L	Y	J	J	12-201	CAPA-12-1155	GELC
R-49 S2	905.6	07/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.38	—	—	1	µg/L	Y	J	J	11-2926	CAPA-11-22908	GELC
R-49 S2	905.6	04/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.83	—	—	1	µg/L	Y	J	J	11-2250	CAPA-11-9377	GELC
R-49 S2	905.6	01/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	4.11	—	—	1	µg/L	Y	J	U	11-1220	CAPA-11-3038	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	J-	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	J-	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	J-	11-2973	CAPA-11-22914	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	J-	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.21	—	—	0.01	SU	Y	H	J-	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	J-	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59	—	—	0.725	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58	—	—	0.73	mg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.5	—	—	0.73	mg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.6	—	—	0.73	mg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.6	—	—	0.73	mg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.5	—	—	0.73	mg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.73	mg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0081	0.00604	0.0368	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00562	0.0056	0.046	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00643	0.0037	0.035	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00712	0.0098	0.013	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00186	0.0081	0.014	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00414	0.0059	0.042	—	pCi/L	Y	U	U	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00632	0.0038	0.026	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0665	—	—	0.017	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0177	—	—	0.016	mg/L	Y	J	J+	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0331	—	—	0.016	mg/L	Y	J	J	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.1	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.8	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	29	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	119	—	—	1	µg/L	N	—	R	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.4	—	—	1	µg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.9	—	—	1	µg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.6	—	—	1	µg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.7	—	—	1	µg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.2	—	—	0.05	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.9	—	—	0.05	mg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	N	—	R	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.5	—	—	0.05	mg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.6	—	—	0.05	mg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.47	1.6	5.41	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.203	1.5	5.7	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.06	1.6	6.5	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.14	1.4	4.8	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	4.51	1.9	7.5	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.07	1.4	4.9	—	pCi/L	Y	U	U	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.831	1.5	5.1	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	—	0.067	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.93	—	—	0.066	mg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.97	—	—	0.066	mg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.97	—	—	0.066	mg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.97	—	—	0.066	mg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.05	—	—	0.066	mg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.02	—	—	0.066	mg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.69	—	—	2	µg/L	Y	J	J	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.57	—	—	2	µg/L	Y	J	J	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.09	—	—	2	µg/L	Y	J	J	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	5.79	—	—	2	µg/L	Y	J	U	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	6.06	—	—	2	µg/L	Y	J	U	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.38	—	—	2	µg/L	Y	J	J	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.676	1.43	5.41	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.55	1.4	4.8	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.265	1.9	7.1	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.172	1.7	5.6	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.57	1.6	6.3	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-4	1.7	4.4	—	pCi/L	Y	U	U	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.621	1.6	5.4	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.252	—	—	0.033	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.252	—	—	0.033	mg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.241	—	—	0.033	mg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.247	—	—	0.033	mg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.247	—	—	0.033	mg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.276	—	—	0.033	mg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.258	—	—	0.033	mg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.595	0.685	2.61	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.19	0.56	2.5	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.125	0.55	2.6	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0533	0.54	2.5	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.207	0.5	2.3	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.507	0.38	2.8	—	pCi/L	Y	U	U	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.436	0.57	2.2	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.387	0.541	1.96	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.8	0.74	2.2	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.82	0.81	2.5	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.698	0.63	2.2	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.514	0.78	2.8	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.94	0.93	2.9	—	pCi/L	Y	U	U	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.86	0.8	2.5	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.3	—	—	0.453	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.6	—	—	0.45	mg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.5	—	—	0.45	mg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.1	—	—	0.45	mg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.4	—	—	0.45	mg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42	—	—	0.45	mg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.7	—	—	0.35	mg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.76	—	—	0.11	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.35	—	—	0.11	mg/L	N	—	R	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.85	—	—	0.11	mg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.82	—	—	0.11	mg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.7	—	—	0.11	mg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.89	—	—	0.11	mg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.78	—	—	0.11	mg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.76	—	—	0.085	mg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.26	—	—	0.165	µg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.74	—	—	0.17	µg/L	Y	—	J	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.63	—	—	0.17	µg/L	Y	—	J	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.17	µg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.17	µg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.17	µg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.3	—	—	0.17	µg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.954	2.82	10.3	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.94	3.6	12	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.48	2.9	9.5	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.45	3.6	11	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.365	2.5	8.3	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.85	2.9	9.9	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/19/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.36	3.1	11	—	pCi/L	Y	U	U	11-206	CAPA-10-27437	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.575	—	—	0.5	µg/L	Y	J	J	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.59	—	—	0.5	µg/L	Y	J	U	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	2.33	—	—	0.5	µg/L	Y	—	U	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.01	—	—	0.5	µg/L	Y	J	J	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.2	—	—	0.5	µg/L	Y	J	J	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.666	—	—	0.5	µg/L	Y	J	J	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.601	—	—	0.5	µg/L	Y	J	J	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.32	—	—	0.017	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.328	—	—	0.05	mg/L	Y	—	U	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.32	—	—	0.05	mg/L	Y	—	U	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0254	—	—	0.01	mg/L	Y	J	J	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0254	—	—	0.01	mg/L	Y	J	J	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.329	—	—	0.1	mg/L	Y	J	J-	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.252	—	—	0.05	mg/L	Y	—	J-	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00197	0.00342	0.0224	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00338	0.013	0.059	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00338	0.014	0.059	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0113	0.006	0.039	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0036	0.044	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00251	0.0044	0.04	—	pCi/L	Y	U	U	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00404	0.0035	0.022	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0138	0.00654	0.0267	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0034	0.057	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0169	0.009	0.057	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00773	0.0077	0.063	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00453	0.0032	0.056	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0151	0.0072	0.064	—	pCi/L	Y	U	U	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00404	0.004	0.04	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.39	—	—	0.05	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.44	—	—	0.05	mg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	10.3	—	—	0.05	mg/L	N	—	R	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	J	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	J	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	J	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.53	—	—	0.05	mg/L	Y	—	J	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.64	19.3	75.8	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.72	19	77	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-15.1	21	78	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-6.82	18	59	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-47.8	23	67	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.1	18	65	—	pCi/L	Y	U	U	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27.4	22	84	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76	—	—	0.053	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.6	—	—	0.053	mg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.1	—	—	0.053	mg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.8	—	—	0.053	mg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.5	—	—	0.053	mg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70	—	—	0.053	mg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.2	—	—	0.1	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	59.1	—	—	0.1	mg/L	N	—	R	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.27	1.37	4.69	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.269	1.3	5.4	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.49	1.6	5.7	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.19	2	6	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.804	1.4	4.5	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.543	1.6	4.9	—	pCi/L	Y	U	U	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.402	1.6	5.5	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	1	µS/cm	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	µS/cm	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	1	µS/cm	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	µS/cm	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	µS/cm	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	1	µS/cm	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.4	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	69.3	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	71.4	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	83.5	—	—	1	µg/L	N	—	R	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	71.1	—	—	1	µg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67	—	—	1	µg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	77.1	—	—	1	µg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	93.3	—	—	1	µg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.021	0.135	0.485	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.229	0.15	0.49	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.178	0.14	0.49	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0109	0.13	0.5	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.241	0.12	0.51	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.322	0.16	0.53	—	pCi/L	Y	U	U	11-2362	CAPA-11-9405	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0105	0.13	0.48	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.17	—	—	0.133	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.66	—	—	0.1	mg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.7	—	—	0.1	mg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.61	—	—	0.1	mg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.64	—	—	0.1	mg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.09	—	—	0.1	mg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.24	—	—	0.1	mg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	2.4	mg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	2.4	mg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.687	—	—	0.33	mg/L	Y	J	J	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.491	—	—	0.33	mg/L	Y	J	U	12-146	CAPA-12-1160	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.356	—	—	0.33	mg/L	Y	J	U	12-146	CAPA-12-1159	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2972	CAPA-11-22913	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2972	CAPA-11-22912	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.433	—	—	0.33	mg/L	Y	J	J	11-2361	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-1057	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.082	—	—	0.017	mg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0608	—	—	0.015	mg/L	Y	—	U	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0557	—	—	0.015	mg/L	Y	—	U	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.236	—	—	0.015	mg/L	Y	—	J	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.225	—	—	0.015	mg/L	Y	—	J	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0339	—	—	0.015	mg/L	Y	J	U	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.043	—	—	0.015	mg/L	Y	J	U	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.226	0.698	2.208	—	pCi/L	Y	U	U	2013-61	CAPA-12-23809	ARSL
R-51 S1	914.96	04/23/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.577	0.711	2.172	—	pCi/L	Y	U	U	12-1239	CAPA-12-13239	ARSL
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.06	0.66	2.25	—	pCi/L	Y	U	U	12-171	CAPA-12-1159	ARSL
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.58	0.67	2.21	—	pCi/L	Y	U	U	12-171	CAPA-12-1160	ARSL
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.0948	0.6762	2.3184	—	pCi/L	Y	U	U	11-3020	CAPA-11-22913	ARSL
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.6744	0.7084	2.3828	—	pCi/L	Y	U	U	11-3020	CAPA-11-22912	ARSL
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.2236	0.7728	2.415	—	pCi/L	Y	U	U	11-2438	CAPA-11-9405	ARSL
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.233	—	—	0.067	µg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.261	—	—	0.067	µg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.253	—	—	0.067	µg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.241	—	—	0.067	µg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.247	—	—	0.067	µg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.225	—	—	0.067	µg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.338	—	—	0.067	µg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.158	0.0219	0.04	—	pCi/L	Y	—	J	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.159	0.027	0.054	—	pCi/L	Y	—	NQ	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.201	0.029	0.051	—	pCi/L	Y	—	NQ	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.198	0.034	0.083	—	pCi/L	Y	—	NQ	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.184	0.031	0.072	—	pCi/L	Y	—	NQ	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.171	0.027	0.086	—	pCi/L	Y	—	NQ	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.202	0.024	0.035	—	pCi/L	Y	—	NQ	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00843	0.00843	0.029	—	pCi/L	Y	U	U	2013-60	CAPA-12-23809	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00376	0.0053	0.037	—	pCi/L	Y	U	U	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.008	0.04	—	pCi/L	Y	U	U	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0061	0.044	—	pCi/L	Y	U	U	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.02	0.01	0.051	—	pCi/L	Y	U	U	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00823	0.01	0.066	—	pCi/L	Y	U	U	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.011	0.0058	0.026	—	pCi/L	Y	U	U	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0682	0.0136	0.0272	—	pCi/L	Y	—	NQ	2013-60	CAPA-12-23809	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0821	0.017	0.059	—	pCi/L	Y	—	NQ	12-148	CAPA-12-1159	GELC
R-51 S1	914.96	10/21/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0933	0.019	0.063	—	pCi/L	Y	—	NQ	12-148	CAPA-12-1160	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0891	0.021	0.064	—	pCi/L	Y	—	NQ	11-2974	CAPA-11-22913	GELC
R-51 S1	914.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0877	0.021	0.056	—	pCi/L	Y	—	NQ	11-2974	CAPA-11-22912	GELC
R-51 S1	914.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.103	0.02	0.045	—	pCi/L	Y	—	NQ	11-2362	CAPA-11-9405	GELC
R-51 S1	914.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0585	0.011	0.025	—	pCi/L	Y	—	NQ	11-1058	CAPA-11-3043	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.38	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	10.6	—	—	1	µg/L	N	—	R	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.7	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	10/21/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.9	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.91	—	—	1	µg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.48	—	—	1	µg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.48	—	—	1	µg/L	Y	—	NQ	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.03	—	—	1	µg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S1	914.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.97	—	—	3.3	µg/L	Y	J	J	2013-60	CAPA-12-23836	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	44.5	—	—	3.3	µg/L	N	—	R	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	RE	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-147	CAPA-12-1158	GELC
R-51 S1	914.96	10/21/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.66	—	—	3.3	µg/L	Y	J	J	12-147	CAPA-12-1162	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.2	—	—	3.3	µg/L	Y	—	NQ	11-2973	CAPA-11-22914	GELC
R-51 S1	914.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.2	—	—	3.3	µg/L	Y	—	NQ	11-2973	CAPA-11-22910	GELC
R-51 S1	914.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.55	—	—	3.3	µg/L	Y	J	J	11-2362	CAPA-11-9404	GELC
R-51 S1	914.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	19.9	—	—	3.3	µg/L	Y	—	NQ	11-1058	CAPA-11-3042	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	J-	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	J-	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	—	—	0.01	SU	Y	H	J-	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.28	—	—	0.01	SU	Y	H	J-	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.725	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.6	—	—	0.73	mg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.7	—	—	0.73	mg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.1	—	—	0.73	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.1	—	—	0.73	mg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00306	0.00685	0.0418	—	pCi/L	Y	U	U	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0071	0.0053	0.039	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00789	0.01	0.015	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0121	0.0057	0.041	—	pCi/L	Y	U	U	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00581	0.0029	0.022	—	pCi/L	Y	U	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.278	—	—	0.017	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0629	—	—	0.016	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.7	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.1	—	—	1	µg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.4	—	—	1	µg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22	—	—	1	µg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	20.4	—	—	1	µg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11	—	—	0.05	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.7	—	—	0.05	mg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.25	1.42	5.07	—	pCi/L	Y	U	U	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.66	1.7	5.1	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.147	1.6	5.3	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.738	1.3	4	—	pCi/L	Y	U	U	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.34	1.7	4.7	—	pCi/L	Y	U	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.77	—	—	0.067	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.86	—	—	0.066	mg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	—	0.066	mg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.02	—	—	0.066	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.9	—	—	0.066	mg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.55	—	—	2	µg/L	Y	J	J	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	5.47	—	—	2	µg/L	Y	J	U	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.24	—	—	2	µg/L	Y	J	J	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.17	—	—	2	µg/L	Y	J	J	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.485	1.43	5.94	—	pCi/L	Y	U	U	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.86	1.7	7	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.169	2	6.5	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.4	1.6	5.7	—	pCi/L	Y	U	U	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.14	1.6	5.8	—	pCi/L	Y	U	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.182	—	—	0.033	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.232	—	—	0.033	mg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.181	—	—	0.033	mg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.217	—	—	0.033	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.214	—	—	0.033	mg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.57	0.809	2.39	—	pCi/L	Y	U	U	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.549	0.37	2.4	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.521	0.67	2.4	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.818	0.64	2.2	—	pCi/L	Y	U	U	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.15	0.86	1.9	—	pCi/L	Y	—	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.33	0.946	2.78	—	pCi/L	Y	—	NQ	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.81	1	2.7	—	pCi/L	Y	—	NQ	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.84	0.81	2.5	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.945	0.82	2.8	—	pCi/L	Y	U	U	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.29	0.91	2.8	—	pCi/L	Y	U	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.9	—	—	0.453	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.2	—	—	0.45	mg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.4	—	—	0.45	mg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.2	—	—	0.45	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38	—	—	0.35	mg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.9	—	—	0.11	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.79	—	—	0.11	mg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.72	—	—	0.11	mg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.85	—	—	0.11	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.73	—	—	0.085	mg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.834	—	—	0.165	µg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.3	—	—	0.17	µg/L	Y	—	J	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.97	—	—	0.17	µg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.17	µg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.17	µg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0581	2.98	10.8	—	pCi/L	Y	U	U	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.66	2.4	8.9	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.3	3.6	11	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.18	3.6	12	—	pCi/L	Y	U	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/19/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.81	3.1	10	—	pCi/L	Y	U	U	11-206	CAPA-10-27440	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.265	—	—	0.017	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.271	—	—	0.05	mg/L	Y	—	J	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0381	—	—	0.01	mg/L	Y	J	J	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.27	—	—	0.1	mg/L	Y	J	J-	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.205	—	—	0.05	mg/L	Y	J	J-	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00693	0.00612	0.0263	—	pCi/L	Y	U	U	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.000329	0.0073	0.052	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00402	0.0049	0.035	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0023	0.036	—	pCi/L	Y	U	U	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0172	0.011	0.023	—	pCi/L	Y	U	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00654	0.0312	—	pCi/L	Y	U	U	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00701	0.0068	0.05	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.004	0.049	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0185	0.0066	0.059	—	pCi/L	Y	U	U	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00429	0.0053	0.043	—	pCi/L	Y	U	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.75	—	—	0.05	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	J	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.73	—	—	0.05	mg/L	Y	—	J	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.69	—	—	0.05	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.71	—	—	0.05	mg/L	Y	—	J	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.807	20.7	84.7	—	pCi/L	Y	U	U	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.2	20	67	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-53.3	21	56	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20.7	15	50	—	pCi/L	Y	U	U	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-22.6	21	69	—	pCi/L	Y	U	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79	—	—	0.053	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.2	—	—	0.053	mg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.2	—	—	0.053	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.4	—	—	0.1	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.6	—	—	0.1	mg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.445	1.41	5.5	—	pCi/L	Y	U	U	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.756	1	4.5	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.68	1.9	7.1	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.02	1.3	4.6	—	pCi/L	Y	U	U	11-2362	CAPA-11-9446	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.03	1.7	4.7	—	pCi/L	Y	U	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	—	1	µS/cm	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	µS/cm	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	1	µS/cm	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	µS/cm	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.6	—	—	1	µg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	48.7	—	—	1	µg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.2	—	—	1	µg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.6	—	—	1	µg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0759	0.139	0.48	—	pCi/L	Y	U	U	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0716	0.14	0.49	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0253	0.13	0.48	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0107	0.16	0.54	—	pCi/L	Y	U	U	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.192	0.14	0.47	—	pCi/L	Y	U	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.86	—	—	0.133	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.29	—	—	0.1	mg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.42	—	—	0.1	mg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.34	—	—	0.1	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.45	—	—	0.1	mg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	2.4	mg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	132	—	—	2.4	mg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.702	—	—	0.33	mg/L	Y	J	J	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.615	—	—	0.33	mg/L	Y	J	J	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2972	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.455	—	—	0.33	mg/L	Y	J	J	11-2361	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.426	—	—	0.33	mg/L	Y	J	J	11-1057	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0759	—	—	0.017	mg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0356	—	—	0.015	mg/L	Y	J	U	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.183	—	—	0.015	mg/L	Y	—	J	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0433	—	—	0.015	mg/L	Y	J	U	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.021	—	—	0.015	mg/L	Y	J	U	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.344	0.683	2.291	—	pCi/L	Y	U	U	2013-61	CAPA-12-23810	ARSL
R-51 S2	1030.96	04/23/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.35	0.658	2.207	—	pCi/L	Y	U	U	12-1239	CAPA-12-13240	ARSL
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.04	0.65	2.2	—	pCi/L	Y	U	U	12-171	CAPA-12-1164	ARSL
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.8032	0.7084	2.2862	—	pCi/L	Y	U	U	11-3020	CAPA-11-22928	ARSL
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.6422	0.7084	2.1574	—	pCi/L	Y	U	U	11-2438	CAPA-11-9446	ARSL
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.229	—	—	0.067	µg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.308	—	—	0.067	µg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.277	—	—	0.067	µg/L	Y	—	NQ	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.301	—	—	0.067	µg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.368	—	—	0.067	µg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.164	0.0213	0.037	—	pCi/L	Y	—	NQ	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.137	0.035	0.078	—	pCi/L	Y	—	J+	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.175	0.033	0.094	—	pCi/L	Y	—	J+	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.173	0.027	0.083	—	pCi/L	Y	—	NQ	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.245	0.027	0.037	—	pCi/L	Y	—	NQ	11-1058	CAPA-11-3045	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00781	0.00689	0.0269	—	pCi/L	Y	U	U	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0058	0.013	0.058	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00566	0.0098	0.058	—	pCi/L	Y	U	U	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0197	0.0089	0.064	—	pCi/L	Y	U	U	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00928	0.0066	0.028	—	pCi/L	Y	U	U	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0695	0.0132	0.0252	—	pCi/L	Y	—	NQ	2013-60	CAPA-12-23810	GELC
R-51 S2	1030.96	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0329	0.023	0.092	—	pCi/L	Y	U	U	12-152	CAPA-12-1164	GELC
R-51 S2	1030.96	07/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.124	0.029	0.073	—	pCi/L	Y	—	J+	11-2974	CAPA-11-22928	GELC
R-51 S2	1030.96	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.083	0.017	0.043	—	pCi/L	Y	—	NQ	11-2362	CAPA-11-9446	GELC
R-51 S2	1030.96	01/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.133	0.019	0.026	—	pCi/L	Y	—	NQ	11-1058	CAPA-11-3045	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.53	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.04	—	—	1	µg/L	Y	—	NQ	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5.65	—	—	1	µg/L	Y	—	U	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.37	—	—	1	µg/L	Y	—	NQ	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.8	—	—	1	µg/L	Y	—	NQ	11-1058	CAPA-11-3046	GELC
R-51 S2	1030.96	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.76	—	—	3.3	µg/L	Y	J	J	2013-60	CAPA-12-23837	GELC
R-51 S2	1030.96	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.25	—	—	3.3	µg/L	Y	J	J	12-152	CAPA-12-1166	GELC
R-51 S2	1030.96	07/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.03	—	—	3.3	µg/L	Y	J	J	11-2973	CAPA-11-22929	GELC
R-51 S2	1030.96	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2362	CAPA-11-9445	GELC
R-51 S2	1030.96	01/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.82	—	—	3.3	µg/L	Y	J	J	11-1058	CAPA-11-3046	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.29	—	—	0.01	SU	Y	H	J-	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.28	—	—	0.01	SU	Y	H	J-	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.42	—	—	0.01	SU	Y	H	J-	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.46	—	—	0.01	SU	Y	H	J-	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.9	—	—	0.725	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.9	—	—	0.73	mg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.7	—	—	0.73	mg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.7	—	—	0.73	mg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.4	—	—	0.73	mg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0136	0.00814	0.037	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0021	0.0056	0.033	—	pCi/L	Y	U	U	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0161	0.0093	0.02	—	pCi/L	Y	U	U	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00787	0.007	0.053	—	pCi/L	Y	U	U	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00526	0.004	0.036	—	pCi/L	Y	U	U	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.3	—	—	1	µg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.1	—	—	1	µg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.6	—	—	1	µg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.1	—	—	1	µg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.3	—	—	1	µg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15.4	—	—	15	µg/L	Y	J	J	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.4	—	—	15	µg/L	Y	J	J	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.1	—	—	0.05	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.6	—	—	0.05	mg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.4	—	—	0.05	mg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.3	—	—	0.05	mg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.757	1.15	4.46	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.02	1.3	4.9	—	pCi/L	Y	U	U	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.06	2.2	6.9	—	pCi/L	Y	U	U	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.21	1.6	5.3	—	pCi/L	Y	U	U	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.644	1.1	3.5	—	pCi/L	Y	U	U	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.64	—	—	0.067	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.42	—	—	0.066	mg/L	Y	—	J-	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.55	—	—	0.066	mg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.58	—	—	0.066	mg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.31	—	—	0.066	mg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.68	1.26	5.85	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.579	1.4	4.9	—	pCi/L	Y	U	U	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-5.96	2.2	3.9	—	pCi/L	Y	U	U	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.546	1.1	3.9	—	pCi/L	Y	U	U	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.36	1.1	3.2	—	pCi/L	Y	U	U	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.291	—	—	0.033	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.293	—	—	0.033	mg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.29	—	—	0.033	mg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.25	—	—	0.033	mg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.279	—	—	0.033	mg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.65	0.87	2.66	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.88	0.91	2.5	—	pCi/L	Y	U	U	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.123	0.44	2.2	—	pCi/L	Y	U	U	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.13	0.63	1.7	—	pCi/L	Y	U	U	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.88	0.98	1.8	—	pCi/L	Y	—	U	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.84	0.717	2.18	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.24	0.69	2.2	—	pCi/L	Y	U	U	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.344	0.76	2.7	—	pCi/L	Y	U	U	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.85	0.86	2.3	—	pCi/L	Y	—	NQ	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.1	0.82	2.3	—	pCi/L	Y	—	NQ	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46	—	—	0.453	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.9	—	—	0.45	mg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.5	—	—	0.45	mg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.1	—	—	0.45	mg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.4	—	—	0.35	mg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.25	—	—	0.11	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.27	—	—	0.11	mg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.13	—	—	0.11	mg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.11	—	—	0.11	mg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.96	—	—	0.085	mg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.165	µg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.83	—	—	0.17	µg/L	Y	—	J	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.35	—	—	0.17	µg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.73	—	—	0.17	µg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.23	—	—	0.17	µg/L	Y	—	J	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.16	2.52	8.99	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.66	2.7	9.5	—	pCi/L	Y	U	U	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.322	2.3	7.5	—	pCi/L	Y	U	U	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.66	2.6	8.4	—	pCi/L	Y	U	U	11-129	CAPA-10-27451	GELC
R-52 S1	1035.2	08/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.76	3.3	9.9	—	pCi/L	Y	U	U	10-4009	CAPA-10-24167	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.801	—	—	0.5	µg/L	Y	J	J	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.3	—	—	0.5	µg/L	Y	J	U	12-252	CAPA-12-1186	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.561	—	—	0.5	µg/L	Y	J	J	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.35	—	—	0.5	µg/L	Y	J	J	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.7	—	—	0.085	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.625	—	—	0.05	mg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.735	—	—	0.05	mg/L	Y	—	J-	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.58	—	—	0.05	mg/L	Y	—	J-	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.407	—	—	0.05	mg/L	Y	—	J-	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00586	0.00586	0.0333	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0096	0.035	—	pCi/L	Y	U	U	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0065	0.035	—	pCi/L	Y	U	U	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0116	0.0067	0.03	—	pCi/L	Y	U	U	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00721	0.008	0.026	—	pCi/L	Y	U	U	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00293	0.00655	0.0396	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00913	0.0068	0.048	—	pCi/L	Y	U	U	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00205	0.0046	0.05	—	pCi/L	Y	U	U	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00775	0.0039	0.049	—	pCi/L	Y	U	U	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0144	0.0059	0.048	—	pCi/L	Y	U	U	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.87	—	—	0.05	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.95	—	—	0.05	mg/L	Y	—	J	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.73	—	—	0.05	mg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.81	—	—	0.05	mg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.9	—	—	0.05	mg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.11	16.3	66.4	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.716	19	72	—	pCi/L	Y	U	U	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.7	21	80	—	pCi/L	Y	U	U	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.51	16	28	—	pCi/L	Y	U	U	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.4	19	64	—	pCi/L	Y	U	U	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.8	—	—	0.053	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.9	—	—	0.053	mg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.1	—	—	0.053	mg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.1	—	—	0.053	mg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13	—	—	0.1	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.00901	1.14	4.48	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.26	1.3	4.3	—	pCi/L	Y	U	U	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0739	1.7	5.5	—	pCi/L	Y	U	U	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.6	1.2	3.4	—	pCi/L	Y	U	U	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.534	1.3	4.4	—	pCi/L	Y	U	U	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	1	µS/cm	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	µS/cm	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	1	µS/cm	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	148	—	—	1	µS/cm	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	57.3	—	—	1	µg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.5	—	—	1	µg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.2	—	—	1	µg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	64.5	—	—	1	µg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.4	—	—	1	µg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0247	0.125	0.475	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.266	0.12	0.49	—	pCi/L	Y	U	U	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.276	0.11	0.49	—	pCi/L	Y	U	U	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.281	0.11	0.46	—	pCi/L	Y	U	U	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.077	0.13	0.49	—	pCi/L	Y	U	U	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.37	—	—	0.133	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.37	—	—	0.1	mg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.19	—	—	0.1	mg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.85	—	—	0.1	mg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.54	—	—	0.1	mg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	2.4	mg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	2.4	mg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.503	—	—	0.33	mg/L	Y	J	J	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.585	—	—	0.33	mg/L	Y	J	J	12-251	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2869	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.502	—	—	0.33	mg/L	Y	J	J	11-2299	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.56	—	—	0.33	mg/L	Y	J	J	11-1095	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0539	—	—	0.017	mg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.117	—	—	0.015	mg/L	Y	—	U	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0647	—	—	0.015	mg/L	Y	—	U	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.031	—	—	0.015	mg/L	Y	J	J	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.384	0.72	2.431	—	pCi/L	Y	U	U	2013-127	CAPA-12-23811	ARSL
R-52 S1	1035.2	04/27/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.66	0.634	2.083	—	pCi/L	Y	U	UJ	12-1258	CAPA-12-13241	ARSL
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0	0.65	2.2	—	pCi/L	Y	U	U	12-244	CAPA-12-1187	ARSL
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.6118	0.805	2.6404	—	pCi/L	Y	U	U	11-2878	CAPA-11-22933	ARSL
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.0626	0.6762	2.1252	—	pCi/L	Y	U	U	11-2438	CAPA-11-9464	ARSL
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.258	0.0318	0.0526	—	pCi/L	Y	—	NQ	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.313	0.033	0.049	—	pCi/L	Y	—	NQ	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.268	0.033	0.048	—	pCi/L	Y	—	NQ	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.335	0.041	0.08	—	pCi/L	Y	—	NQ	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.37	0.036	0.035	—	pCi/L	Y	—	NQ	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00739	0.00739	0.0382	—	pCi/L	Y	U	U	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0264	0.0082	0.026	—	pCi/L	Y	—	NQ	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0175	0.0083	0.03	—	pCi/L	Y	U	U	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0191	0.0087	0.062	—	pCi/L	Y	U	U	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0244	0.0075	0.026	—	pCi/L	Y	U	U	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.132	0.0207	0.0358	—	pCi/L	Y	—	NQ	2013-157	CAPA-12-23811	GELC
R-52 S1	1035.2	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.147	0.02	0.022	—	pCi/L	Y	—	NQ	12-253	CAPA-12-1187	GELC
R-52 S1	1035.2	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.153	0.022	0.037	—	pCi/L	Y	—	NQ	11-2870	CAPA-11-22933	GELC
R-52 S1	1035.2	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.151	0.024	0.042	—	pCi/L	Y	—	NQ	11-2300	CAPA-11-9464	GELC
R-52 S1	1035.2	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.172	0.021	0.025	—	pCi/L	Y	—	NQ	11-1096	CAPA-11-3082	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.75	—	—	1	µg/L	Y	—	NQ	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.75	—	—	1	µg/L	Y	—	NQ	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.75	—	—	1	µg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.23	—	—	1	µg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.61	—	—	1	µg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S1	1035.2	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.92	—	—	3.3	µg/L	Y	J	J	2013-157	CAPA-12-23838	GELC
R-52 S1	1035.2	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.08	—	—	3.3	µg/L	Y	J	J	12-252	CAPA-12-1186	GELC
R-52 S1	1035.2	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	12.4	—	—	3.3	µg/L	Y	—	NQ	11-2870	CAPA-11-22931	GELC
R-52 S1	1035.2	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	12.6	—	—	3.3	µg/L	Y	—	NQ	11-2300	CAPA-11-9463	GELC
R-52 S1	1035.2	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	17.8	—	—	3.3	µg/L	Y	—	NQ	11-1096	CAPA-11-3081	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	—	0.01	SU	Y	H	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.85	—	—	0.01	SU	Y	H	J-	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.69	—	—	0.01	SU	Y	H	J-	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	J-	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	J-	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.7	—	—	0.725	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.5	—	—	0.73	mg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60	—	—	0.73	mg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57	—	—	0.73	mg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.9	—	—	0.73	mg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00989	0.007	0.0338	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00578	0.0043	0.03	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00278	0.0074	0.02	—	pCi/L	Y	U	U	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0053	0.054	—	pCi/L	Y	U	U	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00064	0.0045	0.036	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.3	—	—	1	µg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.8	—	—	1	µg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.8	—	—	1	µg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.5	—	—	1	µg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.8	—	—	1	µg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.8	—	—	0.05	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.4	—	—	0.05	mg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.5	—	—	0.05	mg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.709	1.91	4.23	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.11	1.9	7.6	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.47	1.4	3.9	—	pCi/L	Y	U	U	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.646	1.4	4.7	—	pCi/L	Y	U	U	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-5.35	2.2	7.5	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.2	—	—	0.067	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.09	—	—	0.066	mg/L	Y	—	J-	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.18	—	—	0.066	mg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.15	—	—	0.066	mg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.12	—	—	0.066	mg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.05	1.2	4.25	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.13	1.6	7.4	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.724	1.6	4.9	—	pCi/L	Y	U	U	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.13	1.5	5.4	—	pCi/L	Y	U	U	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.232	1.6	5.2	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.233	—	—	0.033	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.235	—	—	0.033	mg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.232	—	—	0.033	mg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.188	—	—	0.033	mg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.213	—	—	0.033	mg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.506	0.556	2.14	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.14	0.7	2.1	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.603	0.61	2.3	—	pCi/L	Y	U	U	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.115	0.42	2.1	—	pCi/L	Y	U	U	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.19	0.72	2.2	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.761	0.52	1.74	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.73	0.82	2.6	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.35	0.78	2.4	—	pCi/L	Y	U	U	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.33	0.78	2.1	—	pCi/L	Y	—	U	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.54	0.8	2.6	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42	—	—	0.453	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.3	—	—	0.45	mg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.6	—	—	0.45	mg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.1	—	—	0.45	mg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.4	—	—	0.35	mg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	99.1	—	—	30	µg/L	Y	J	J	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.05	—	—	0.11	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.89	—	—	0.11	mg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.83	—	—	0.11	mg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.97	—	—	0.11	mg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.82	—	—	0.085	mg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.39	—	—	0.17	µg/L	Y	—	J	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.971	—	—	0.17	µg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.24	—	—	0.17	µg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.48	—	—	0.17	µg/L	Y	—	U	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.31	2.62	9.46	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.285	3.4	12	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.26	2.4	7.7	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.1	2.5	8.8	—	pCi/L	Y	U	U	11-129	CAPA-10-27453	GELC
R-52 S2	1107	08/05/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.677	2.9	9.4	—	pCi/L	Y	U	U	10-4009	CAPA-10-24658	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.674	—	—	0.5	µg/L	Y	J	J	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.2	—	—	0.5	µg/L	Y	J	U	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.511	—	—	0.5	µg/L	Y	J	J	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.534	—	—	0.5	µg/L	Y	J	J	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.17	—	—	0.5	µg/L	Y	J	J	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.402	—	—	0.017	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.421	—	—	0.05	mg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.417	—	—	0.05	mg/L	Y	—	J-	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.394	—	—	0.05	mg/L	Y	—	J-	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.314	—	—	0.05	mg/L	Y	—	J-	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00252	0.00436	0.0286	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0033	0.014	0.038	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00865	0.01	0.037	—	pCi/L	Y	U	U	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0146	0.0052	0.029	—	pCi/L	Y	U	U	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0105	0.0064	0.029	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0101	0.00616	0.034	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0047	0.052	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00432	0.0043	0.053	—	pCi/L	Y	U	U	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0109	0.0052	0.046	—	pCi/L	Y	U	U	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-2.5E-09	0.0091	0.053	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.91	—	—	0.05	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	J	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.67	—	—	0.05	mg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.71	—	—	0.05	mg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.72	—	—	0.05	mg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.08	17.2	66	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27.9	21	100	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.7	20	69	—	pCi/L	Y	U	U	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-22.4	21	70	—	pCi/L	Y	U	U	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	19.5	21	76	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.2	—	—	0.053	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.8	—	—	0.053	mg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.7	—	—	0.053	mg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.5	—	—	0.053	mg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.9	—	—	0.053	mg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.9	—	—	0.1	mg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.19	1.37	5.53	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.217	1.7	7.3	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.14	1.4	3.9	—	pCi/L	Y	U	U	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.2	1.4	4.1	—	pCi/L	Y	U	U	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.92	1.7	5	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	µS/cm	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	1	µS/cm	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	µS/cm	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	129	—	—	1	µS/cm	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	1	µS/cm	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.9	—	—	1	µg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	49.9	—	—	1	µg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	46.9	—	—	1	µg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	48.2	—	—	1	µg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	49.6	—	—	1	µg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.355	0.15	0.486	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.205	0.12	0.49	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0349	0.13	0.49	—	pCi/L	Y	U	U	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.458	0.16	0.49	—	pCi/L	Y	U	U	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0843	0.14	0.49	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.53	—	—	0.133	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.68	—	—	0.1	mg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.62	—	—	0.1	mg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3	—	—	0.1	mg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3	—	—	0.1	mg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-52 S2	1107	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	2.4	mg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	2.4	mg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.488	—	—	0.33	mg/L	Y	J	J	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.489	—	—	0.33	mg/L	Y	J	J	12-251	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2869	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.357	—	—	0.33	mg/L	Y	J	J	11-2299	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-1095	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0663	—	—	0.017	mg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0169	—	—	0.015	mg/L	Y	J	U	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.061	—	—	0.015	mg/L	Y	—	U	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.028	—	—	0.015	mg/L	Y	J	J	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.671	0.661	2.26	—	pCi/L	Y	U	U	2013-127	CAPA-12-23812	ARSL
R-52 S2	1107	04/27/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.195	0.589	1.986	—	pCi/L	Y	U	UJ	12-1258	CAPA-12-13242	ARSL
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.74	0.62	2.03	—	pCi/L	Y	U	U	12-244	CAPA-12-1189	ARSL
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.3542	0.7084	2.3828	—	pCi/L	Y	U	U	11-2878	CAPA-11-22936	ARSL
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.0948	0.6762	2.3184	—	pCi/L	Y	U	U	11-2438	CAPA-11-9475	ARSL
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.207	0.0244	0.0435	—	pCi/L	Y	—	NQ	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.235	0.026	0.044	—	pCi/L	Y	—	NQ	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.193	0.026	0.047	—	pCi/L	Y	—	NQ	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.214	0.031	0.08	—	pCi/L	Y	—	NQ	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.252	0.027	0.034	—	pCi/L	Y	—	NQ	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00917	0.00684	0.0316	—	pCi/L	Y	U	U	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00635	0.0048	0.023	—	pCi/L	Y	U	U	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0142	0.0064	0.029	—	pCi/L	Y	U	U	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00381	0.0066	0.061	—	pCi/L	Y	U	U	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0236	0.0073	0.025	—	pCi/L	Y	U	U	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.109	0.0175	0.0296	—	pCi/L	Y	—	NQ	2013-157	CAPA-12-23812	GELC
R-52 S2	1107	11/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.105	0.016	0.019	—	pCi/L	Y	—	NQ	12-253	CAPA-12-1189	GELC
R-52 S2	1107	07/18/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.117	0.019	0.036	—	pCi/L	Y	—	NQ	11-2870	CAPA-11-22936	GELC
R-52 S2	1107	05/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.139	0.023	0.042	—	pCi/L	Y	—	NQ	11-2300	CAPA-11-9475	GELC
R-52 S2	1107	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0919	0.014	0.024	—	pCi/L	Y	—	NQ	11-1096	CAPA-11-3084	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.98	—	—	1	µg/L	Y	—	NQ	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.25	—	—	1	µg/L	Y	—	NQ	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.79	—	—	1	µg/L	Y	—	NQ	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.04	—	—	1	µg/L	Y	—	NQ	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.23	—	—	1	µg/L	Y	—	NQ	11-1096	CAPA-11-3086	GELC
R-52 S2	1107	10/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.9	—	—	3.3	µg/L	Y	J	J	2013-157	CAPA-12-23839	GELC
R-52 S2	1107	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-252	CAPA-12-1190	GELC
R-52 S2	1107	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2870	CAPA-11-22934	GELC
R-52 S2	1107	05/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2300	CAPA-11-9477	GELC
R-52 S2	1107	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-1096	CAPA-11-3086	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	J-	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	J-	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	J-	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	J-	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.1	—	—	0.725	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.9	—	—	0.73	mg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.4	—	—	0.73	mg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.5	—	—	0.73	mg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.5	—	—	0.73	mg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0041	0.00502	0.028	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0164	0.0059	0.032	—	pCi/L	Y	U	U	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00796	0.0069	0.015	—	pCi/L	Y	U	U	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00859	0.014	0.044	—	pCi/L	Y	U	U	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00295	0.0033	0.025	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24	—	—	1	µg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.5	—	—	1	µg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.6	—	—	1	µg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.5	—	—	1	µg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.5	—	—	1	µg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.6	—	—	0.05	mg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.7	—	—	0.05	mg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.22	1.63	6.27	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.535	1.2	4.6	—	pCi/L	Y	U	U	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.86	1.7	6.4	—	pCi/L	Y	U	U	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.335	1.1	3.7	—	pCi/L	Y	U	U	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.24	2.1	7.3	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.78	—	—	0.067	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.78	—	—	0.066	mg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.81	—	—	0.066	mg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.94	—	—	0.066	mg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.75	—	—	0.066	mg/L	Y	—	J+	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.68	—	—	2	µg/L	Y	J	J	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.07	—	—	2	µg/L	Y	J	J	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.157	1.61	6.16	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.402	1.5	5.7	—	pCi/L	Y	U	U	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0599	1.7	5.7	—	pCi/L	Y	U	U	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.24	1.6	4.6	—	pCi/L	Y	U	U	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.23	1.3	4.6	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.241	—	—	0.033	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.267	—	—	0.033	mg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.274	—	—	0.033	mg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.247	—	—	0.033	mg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.78	0.92	2.19	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.213	0.67	3	—	pCi/L	Y	U	U	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.75	0.78	1.8	—	pCi/L	Y	U	U	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.531	0.61	2.9	—	pCi/L	Y	U	U	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.397	0.57	2.2	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.53	0.734	2.33	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.12	0.99	2.8	—	pCi/L	Y	—	NQ	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.87	1.1	2.3	—	pCi/L	Y	—	NQ	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.3	0.85	3	—	pCi/L	Y	U	U	11-2351	CAPA-11-9483	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.882	0.84	2.9	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.1	—	—	0.453	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39	—	—	0.45	mg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.6	—	—	0.45	mg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.5	—	—	0.45	mg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.7	—	—	0.35	mg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.17	—	—	0.11	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.03	—	—	0.11	mg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.06	—	—	0.11	mg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.09	—	—	0.11	mg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.98	—	—	0.085	mg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.165	µg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.26	—	—	0.17	µg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.17	µg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.17	µg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.39	—	—	0.17	µg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.38	3.12	11.8	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.39	2.4	8.9	—	pCi/L	Y	U	U	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.273	2.1	7.3	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.015	3.5	11	—	pCi/L	Y	U	U	11-129	CAPA-10-27456	GELC
R-53 S1	849.2	07/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-8.2	2.9	7.6	—	pCi/L	Y	U	U	10-3845	CAPA-10-24174	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.985	—	—	0.5	µg/L	Y	J	J	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.5	—	—	0.5	µg/L	Y	J	J	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.4	—	—	0.5	µg/L	Y	J	J	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.49	—	—	0.5	µg/L	Y	J	J	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.846	—	—	0.5	µg/L	Y	J	J	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.348	—	—	0.017	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.356	—	—	0.05	mg/L	Y	—	J	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.342	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.471	—	—	0.1	mg/L	Y	J	J-	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.337	—	—	0.05	mg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0106	0.00768	0.0242	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00693	0.0068	0.027	—	pCi/L	Y	U	U	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00554	0.0099	0.032	—	pCi/L	Y	U	U	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00394	0.0039	0.031	—	pCi/L	Y	U	U	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00596	0.0071	0.022	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00213	0.00476	0.0288	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00802	0.0044	0.027	—	pCi/L	Y	U	U	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00553	0.0032	0.045	—	pCi/L	Y	U	U	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00394	0.0056	0.05	—	pCi/L	Y	U	U	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00432	0.0053	0.041	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.71	—	—	0.05	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.68	—	—	0.05	mg/L	Y	—	J	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.56	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.75	—	—	0.05	mg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35.4	14.4	63.8	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.34	16	62	—	pCi/L	Y	U	U	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.2	22	71	—	pCi/L	Y	U	U	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.29	15	55	—	pCi/L	Y	U	U	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-24.5	15	42	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.6	—	—	0.053	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.3	—	—	0.053	mg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.8	—	—	0.053	mg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.1	—	—	0.053	mg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0302	1.1	4.51	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.28	1	3.4	—	pCi/L	Y	U	U	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.46	1.5	4.9	—	pCi/L	Y	U	U	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.935	1.2	3.5	—	pCi/L	Y	U	U	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.704	1.5	4.7	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	µS/cm	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	µS/cm	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	1	µS/cm	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	129	—	—	1	µS/cm	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	—	1	µS/cm	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	47.3	—	—	1	µg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.3	—	—	1	µg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	45.2	—	—	1	µg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	43.5	—	—	1	µg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.3	—	—	1	µg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.39	0.161	0.496	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.253	0.13	0.48	—	pCi/L	Y	U	U	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0757	0.12	0.42	—	pCi/L	Y	U	U	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.254	0.16	0.53	—	pCi/L	Y	U	U	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0751	0.14	0.49	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.75	—	—	0.133	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.86	—	—	0.1	mg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.82	—	—	0.1	mg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.06	—	—	0.1	mg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.88	—	—	0.1	mg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	3.4	mg/L	Y	—	J	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	2.4	mg/L	Y	—	J	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	2.4	mg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.787	—	—	0.33	mg/L	Y	J	J	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.521	—	—	0.33	mg/L	Y	J	J	12-176	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2835	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.414	—	—	0.33	mg/L	Y	J	J	11-2349	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.35	—	—	0.33	mg/L	Y	J	J	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0279	—	—	0.017	mg/L	Y	J	J	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0634	—	—	0.015	mg/L	Y	—	U	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.201	—	—	0.015	mg/L	Y	—	J	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0599	—	—	0.015	mg/L	Y	—	U	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.038	—	—	0.015	mg/L	Y	J	J	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.905	0.74	2.44	—	pCi/L	Y	U	U	2013-74	CAPA-12-23813	ARSL

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-53 S1	849.2	04/24/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.485	0.674	2.245	—	pCi/L	Y	U	U	12-1238	CAPA-12-13243	ARSL
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.31	0.59	1.96	—	pCi/L	Y	U	U	12-179	CAPA-12-1192	ARSL
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.3864	0.7084	2.3828	—	pCi/L	Y	U	U	11-2878	CAPA-11-22939	ARSL
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.5796	0.4508	1.5134	—	pCi/L	Y	U	U	11-2438	CAPA-11-9483	ARSL
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.447	—	—	0.067	µg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.456	—	—	0.067	µg/L	Y	—	NQ	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.445	—	—	0.067	µg/L	Y	—	NQ	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.509	—	—	0.067	µg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.505	—	—	0.067	µg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.329	0.0317	0.0499	—	pCi/L	Y	—	NQ	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.358	0.042	0.05	—	pCi/L	Y	—	NQ	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.238	0.03	0.058	—	pCi/L	Y	—	NQ	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.376	0.04	0.058	—	pCi/L	Y	—	NQ	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.277	0.034	0.05	—	pCi/L	Y	—	NQ	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0105	0.00929	0.0362	—	pCi/L	Y	U	U	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0037	0.037	—	pCi/L	Y	U	U	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00973	0.0057	0.031	—	pCi/L	Y	U	U	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00556	0.0068	0.045	—	pCi/L	Y	U	U	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0221	0.011	0.037	—	pCi/L	Y	U	U	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.148	0.0212	0.034	—	pCi/L	Y	—	NQ	2013-66	CAPA-12-23813	GELC
R-53 S1	849.2	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.153	0.024	0.059	—	pCi/L	Y	—	NQ	12-178	CAPA-12-1192	GELC
R-53 S1	849.2	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.129	0.022	0.035	—	pCi/L	Y	—	NQ	11-2836	CAPA-11-22939	GELC
R-53 S1	849.2	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.178	0.024	0.03	—	pCi/L	Y	—	NQ	11-2351	CAPA-11-9483	GELC
R-53 S1	849.2	01/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.11	0.019	0.035	—	pCi/L	Y	—	NQ	11-1105	CAPA-11-3089	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.05	—	—	1	µg/L	Y	—	NQ	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.55	—	—	1	µg/L	Y	J	J	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.57	—	—	1	µg/L	Y	J	J	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.48	—	—	1	µg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.52	—	—	1	µg/L	Y	J	J	11-1105	CAPA-11-3088	GELC
R-53 S1	849.2	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.23	—	—	3.3	µg/L	Y	J	J	2013-66	CAPA-12-23840	GELC
R-53 S1	849.2	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.19	—	—	3.3	µg/L	Y	J	J	12-177	CAPA-12-1191	GELC
R-53 S1	849.2	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	11.6	—	—	3.3	µg/L	Y	—	U	11-2835	CAPA-11-22937	GELC
R-53 S1	849.2	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	15.1	—	—	3.3	µg/L	Y	—	NQ	11-2350	CAPA-11-9484	GELC
R-53 S1	849.2	01/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	65	—	—	3.3	µg/L	Y	—	NQ	11-1105	CAPA-11-3088	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	—	—	0.01	SU	Y	H	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	J-	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	J-	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	J-	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	J-	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	J-	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	J-	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	J-	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	J-	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.7	—	—	0.725	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.5	—	—	0.73	mg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.5	—	—	0.73	mg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.3	—	—	0.73	mg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.8	—	—	0.73	mg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57	—	—	0.73	mg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.5	—	—	0.73	mg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.9	—	—	0.73	mg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.9	—	—	0.73	mg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00264	0.00457	0.036	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.017	0.0094	0.038	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0083	0.0042	0.032	—	pCi/L	Y	U	U	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00954	0.0092	0.014	—	pCi/L	Y	U	U	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00759	0.0091	0.019	—	pCi/L	Y	U	U	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00765	0.0081	0.039	—	pCi/L	Y	U	U	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0053	0.0065	0.054	—	pCi/L	Y	U	U	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0039	0.0044	0.036	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00072	0.0022	0.035	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.4	—	—	1	µg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.9	—	—	1	µg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.6	—	—	1	µg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.8	—	—	1	µg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.7	—	—	1	µg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.7	—	—	1	µg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.3	—	—	1	µg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.8	—	—	1	µg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.5	—	—	1	µg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11	—	—	0.05	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.7	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.3	—	—	0.05	mg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11	—	—	0.05	mg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.7	—	—	0.05	mg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.02	1.49	4.78	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.2	1.6	5.1	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.86	2	7.1	—	pCi/L	Y	U	U	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.72	1.4	3.4	—	pCi/L	Y	U	U	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.02	1.5	4.5	—	pCi/L	Y	U	U	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.11	1.4	5.1	—	pCi/L	Y	U	U	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.34	1.9	6.4	—	pCi/L	Y	U	U	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.284	1.5	4.8	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.451	1.4	4.7	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.75	—	—	0.067	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.73	—	—	0.066	mg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.82	—	—	0.066	mg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.79	—	—	0.066	mg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.8	—	—	0.066	mg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.86	—	—	0.066	mg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.87	—	—	0.066	mg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.74	—	—	0.066	mg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.73	—	—	0.066	mg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.74	—	—	2	µg/L	Y	J	J	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2835	CAPA-11-22942	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.03	—	—	2	µg/L	Y	J	J	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.61	—	—	2	µg/L	Y	J	J	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.88	—	—	2	µg/L	Y	J	J	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.09	1.29	5.46	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.03	1.2	4.8	—	pCi/L	Y	U	U	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.32	1.5	6.4	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.877	1.4	4.2	—	pCi/L	Y	U	U	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.13	1.2	4.6	—	pCi/L	Y	U	U	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.38	1.5	5.4	—	pCi/L	Y	U	U	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.323	1.7	6	—	pCi/L	Y	U	U	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.43	1.5	4.5	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.466	1.3	4.3	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.213	—	—	0.033	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.253	—	—	0.033	mg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.258	—	—	0.033	mg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.246	—	—	0.033	mg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.243	—	—	0.033	mg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.259	—	—	0.033	mg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.259	—	—	0.033	mg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.221	—	—	0.033	mg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.228	—	—	0.033	mg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.63	0.771	2.1	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.359	0.66	2.6	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.278	0.72	2.9	—	pCi/L	Y	U	U	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.72	0.79	2	—	pCi/L	Y	U	U	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.16	0.87	2.1	—	pCi/L	Y	—	U	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.669	0.53	2.8	—	pCi/L	Y	U	U	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.837	0.79	2.8	—	pCi/L	Y	U	U	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.863	0.59	1.9	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.434	0.65	2.5	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.25	0.849	2.83	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.99	0.85	2.7	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.78	0.94	2.3	—	pCi/L	Y	—	NQ	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.1	0.89	2.3	—	pCi/L	Y	—	NQ	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.15	0.83	2.4	—	pCi/L	Y	U	U	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.589	0.77	2.9	—	pCi/L	Y	U	U	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.45	1	2.9	—	pCi/L	Y	—	NQ	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.0616	0.73	2.6	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.213	0.81	2.8	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.6	—	—	0.453	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.5	—	—	0.45	mg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.8	—	—	0.45	mg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.2	—	—	0.45	mg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.6	—	—	0.45	mg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.6	—	—	0.45	mg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.7	—	—	0.45	mg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.2	—	—	0.35	mg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40	—	—	0.35	mg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.21	—	—	0.11	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.07	—	—	0.11	mg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.08	—	—	0.11	mg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.04	—	—	0.11	mg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.05	—	—	0.11	mg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.26	—	—	0.11	mg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.21	—	—	0.11	mg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.15	—	—	0.085	mg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.06	—	—	0.085	mg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.165	µg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.17	µg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.01	—	—	0.17	µg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.17	µg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.03	—	—	0.17	µg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.17	µg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.17	µg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.36	—	—	0.17	µg/L	Y	—	U	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.62	—	—	0.17	µg/L	Y	—	U	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.02	2.46	9.15	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.55	3.2	11	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.272	2.4	8.6	—	pCi/L	Y	U	U	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.787	2.8	9	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.982	3.1	10	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	10/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.33	3.1	10	—	pCi/L	Y	U	U	11-129	CAPA-10-27464	GELC
R-53 S2	959.7	07/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.992	2.5	8.1	—	pCi/L	Y	U	U	10-3845	CAPA-10-24179	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.326	—	—	0.017	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.349	—	—	0.05	mg/L	Y	—	J	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.336	—	—	0.05	mg/L	Y	—	J	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.329	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.316	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.346	—	—	0.1	mg/L	Y	J	J-	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.435	—	—	0.1	mg/L	Y	J	J-	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.24	—	—	0.05	mg/L	Y	J	J-	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.247	—	—	0.05	mg/L	Y	J	J-	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00349	0.0281	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00875	0.011	0.051	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00855	0.0069	0.039	—	pCi/L	Y	U	U	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00216	0.0037	0.037	—	pCi/L	Y	U	U	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00356	0.0031	0.031	—	pCi/L	Y	U	U	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0099	0.0041	0.028	—	pCi/L	Y	U	U	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0135	0.0058	0.03	—	pCi/L	Y	U	U	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0135	0.0078	0.025	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0121	0.0059	0.026	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00604	0.0333	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00257	0.0081	0.038	—	pCi/L	Y	U	U	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00291	0.0051	0.049	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0172	0.0081	0.053	—	pCi/L	Y	U	U	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	8.48E-10	0.0067	0.044	—	pCi/L	Y	U	U	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00053	0.0053	0.046	—	pCi/L	Y	U	U	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00386	0.0027	0.049	—	pCi/L	Y	U	U	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00241	0.0054	0.048	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00226	0.006	0.045	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.88	—	—	0.05	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.79	—	—	0.05	mg/L	Y	—	J	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	J	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.67	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.7	—	—	0.05	mg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.87	—	—	0.05	mg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.81	—	—	0.05	mg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.79	—	—	0.05	mg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-29.1	16.3	61.6	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.18	16	66	—	pCi/L	Y	U	U	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	24.5	15	52	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-2.2	14	46	—	pCi/L	Y	U	U	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	11.8	19	71	—	pCi/L	Y	U	U	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17.3	18	58	—	pCi/L	Y	U	U	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	7.51	22	78	—	pCi/L	Y	U	U	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.2	20	64	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-14.5	17	50	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.9	—	—	0.053	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72	—	—	0.053	mg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.5	—	—	0.053	mg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.9	—	—	0.053	mg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71	—	—	0.053	mg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.4	—	—	0.053	mg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.1	—	—	0.053	mg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.8	—	—	0.053	mg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.99	—	—	0.1	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.84	—	—	0.1	mg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.83	—	—	0.1	mg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.6	—	—	0.1	mg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.62	—	—	0.1	mg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	10	—	—	0.1	mg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.85	—	—	0.1	mg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10	—	—	0.1	mg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.43	1.29	3.82	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.751	1.1	4.1	—	pCi/L	Y	U	U	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.11	1.6	6.1	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.39	1.5	4.3	—	pCi/L	Y	U	U	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.6	1.4	3.9	—	pCi/L	Y	U	U	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.12	1.4	4.3	—	pCi/L	Y	U	U	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.92	1.2	2.8	—	pCi/L	Y	U	U	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.674	1.3	4.2	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.18	1.6	4.7	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	1	µS/cm	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	119	—	—	1	µS/cm	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	151	—	—	1	µS/cm	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120	—	—	1	µS/cm	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	µS/cm	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	1	µS/cm	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	µS/cm	Y	—	NQ	11-2350	CAPA-11-9492	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	118	—	—	1	µS/cm	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120	—	—	1	µS/cm	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	47.7	—	—	1	µg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	45.2	—	—	1	µg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	45	—	—	1	µg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	45.2	—	—	1	µg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.9	—	—	1	µg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	46	—	—	1	µg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	45.1	—	—	1	µg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	46.9	—	—	1	µg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	46.5	—	—	1	µg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0375	0.135	0.489	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.167	0.14	0.48	—	pCi/L	Y	U	U	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.251	0.11	0.48	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0344	0.12	0.45	—	pCi/L	Y	U	U	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00652	0.12	0.46	—	pCi/L	Y	U	U	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.152	0.15	0.53	—	pCi/L	Y	U	U	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.348	0.15	0.48	—	pCi/L	Y	U	U	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00184	0.13	0.48	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0829	0.13	0.47	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.68	—	—	0.133	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.91	—	—	0.1	mg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.85	—	—	0.1	mg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.83	—	—	0.1	mg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.79	—	—	0.1	mg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2	—	—	0.1	mg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.97	—	—	0.1	mg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.97	—	—	0.1	mg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.91	—	—	0.1	mg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	107	—	—	3.4	mg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	J	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	J	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	2.4	mg/L	Y	—	J	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	2.4	mg/L	Y	—	J	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	2.4	mg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	2.4	mg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.677	—	—	0.33	mg/L	Y	J	J	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.479	—	—	0.33	mg/L	Y	J	J	12-176	CAPA-12-1197	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.485	—	—	0.33	mg/L	Y	J	J	12-176	CAPA-12-1196	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2835	CAPA-11-22941	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2835	CAPA-11-22945	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.366	—	—	0.33	mg/L	Y	J	J	11-2349	CAPA-11-9494	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.368	—	—	0.33	mg/L	Y	J	J	11-2349	CAPA-11-9491	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-1101	CAPA-11-3094	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-1101	CAPA-11-3092	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0632	—	—	0.017	mg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0365	—	—	0.015	mg/L	Y	J	U	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.052	—	—	0.015	mg/L	Y	—	U	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0798	—	—	0.015	mg/L	Y	—	U	11-2835	CAPA-11-22943	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.198	—	—	0.015	mg/L	Y	—	J	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0477	—	—	0.015	mg/L	Y	J	U	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0508	—	—	0.015	mg/L	Y	—	U	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.014	0.725	2.342	—	pCi/L	Y	U	U	2013-74	CAPA-12-23814	ARSL
R-53 S2	959.7	04/24/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.239	0.689	2.172	—	pCi/L	Y	U	U	12-1238	CAPA-12-13244	ARSL
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.34	0.62	2.08	—	pCi/L	Y	U	U	12-179	CAPA-12-1197	ARSL
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.21	0.64	2.18	—	pCi/L	Y	U	U	12-179	CAPA-12-1196	ARSL
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.6744	0.9016	3.0268	—	pCi/L	Y	U	U	11-2878	CAPA-11-22945	ARSL
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.8372	0.644	2.1574	—	pCi/L	Y	U	U	11-2878	CAPA-11-22941	ARSL
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.0626	0.7406	2.5438	—	pCi/L	Y	U	U	11-2438	CAPA-11-9491	ARSL
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.4186	0.2576	0.8372	—	pCi/L	Y	U	U	11-2438	CAPA-11-9494	ARSL
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.341	—	—	0.067	µg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.363	—	—	0.067	µg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.348	—	—	0.067	µg/L	Y	—	NQ	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.337	—	—	0.067	µg/L	Y	—	NQ	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.344	—	—	0.067	µg/L	Y	—	NQ	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.404	—	—	0.067	µg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.406	—	—	0.067	µg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.521	—	—	0.067	µg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.452	—	—	0.067	µg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.188	0.0228	0.0442	—	pCi/L	Y	—	NQ	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.212	0.03	0.048	—	pCi/L	Y	—	NQ	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.178	0.029	0.053	—	pCi/L	Y	—	NQ	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.218	0.029	0.058	—	pCi/L	Y	—	NQ	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.238	0.033	0.065	—	pCi/L	Y	—	NQ	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.218	0.029	0.058	—	pCi/L	Y	—	NQ	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.228	0.029	0.06	—	pCi/L	Y	—	NQ	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.293	0.03	0.035	—	pCi/L	Y	—	NQ	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.321	0.033	0.035	—	pCi/L	Y	—	NQ	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00982	0.0321	—	pCi/L	Y	U	U	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0157	0.0079	0.039	—	pCi/L	Y	U	U	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00708	0.0071	0.035	—	pCi/L	Y	U	U	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00733	0.0052	0.035	—	pCi/L	Y	U	U	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0163	0.0098	0.031	—	pCi/L	Y	U	U	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00554	0.0068	0.045	—	pCi/L	Y	U	U	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0255	0.01	0.046	—	pCi/L	Y	U	U	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00649	0.0038	0.026	—	pCi/L	Y	U	U	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0175	0.0063	0.026	—	pCi/L	Y	U	U	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	10/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.108	0.0186	0.0301	—	pCi/L	Y	—	NQ	2013-66	CAPA-12-23814	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0888	0.018	0.056	—	pCi/L	Y	—	NQ	12-178	CAPA-12-1197	GELC
R-53 S2	959.7	10/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.14	0.024	0.062	—	pCi/L	Y	—	NQ	12-178	CAPA-12-1196	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.147	0.023	0.035	—	pCi/L	Y	—	NQ	11-2836	CAPA-11-22945	GELC
R-53 S2	959.7	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.13	0.023	0.039	—	pCi/L	Y	—	NQ	11-2836	CAPA-11-22941	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.094	0.018	0.031	—	pCi/L	Y	—	NQ	11-2351	CAPA-11-9494	GELC
R-53 S2	959.7	05/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0941	0.02	0.03	—	pCi/L	Y	—	NQ	11-2351	CAPA-11-9491	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.135	0.018	0.025	—	pCi/L	Y	—	NQ	11-1102	CAPA-11-3094	GELC
R-53 S2	959.7	01/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.121	0.017	0.024	—	pCi/L	Y	—	NQ	11-1102	CAPA-11-3092	GELC
R-53 S2	959.7	10/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.79	—	—	1	µg/L	Y	—	NQ	2013-66	CAPA-12-23841	GELC
R-53 S2	959.7	10/25/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.34	—	—	1	µg/L	Y	—	NQ	12-177	CAPA-12-1199	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-53 S2	959.7	10/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.92	—	—	1	µg/L	Y	J	J	12-177	CAPA-12-1195	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.69	—	—	1	µg/L	Y	J	J	11-2835	CAPA-11-22943	GELC
R-53 S2	959.7	07/14/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.73	—	—	1	µg/L	Y	J	J	11-2835	CAPA-11-22942	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.47	—	—	1	µg/L	Y	—	NQ	11-2350	CAPA-11-9493	GELC
R-53 S2	959.7	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.7	—	—	1	µg/L	Y	—	NQ	11-2350	CAPA-11-9492	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.43	—	—	1	µg/L	Y	—	NQ	11-1102	CAPA-11-3095	GELC
R-53 S2	959.7	01/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.32	—	—	1	µg/L	Y	—	NQ	11-1102	CAPA-11-3090	GELC
R-54 S1	830	10/24/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.932	0.696	2.256	—	pCi/L	Y	U	U	2013-253	CAPA-12-23815	ARSL
R-54 S1	830	05/04/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.124	0.66	2.25	—	pCi/L	Y	U	UJ	12-1292	CAPA-12-13245	ARSL
R-54 S1	830	05/04/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.358	0.658	2.202	—	pCi/L	Y	U	UJ	12-1292	CAPA-12-13406	ARSL
R-54 S1	830	11/02/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.43	0.67	2.3	—	pCi/L	Y	U	U	12-301	CAPA-12-1168	ARSL
R-54 S1	830	07/12/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.5134	0.7406	2.5438	—	pCi/L	Y	U	U	11-2800	CAPA-11-22972	ARSL
R-54 S1	830	05/04/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.4186	0.644	2.2218	—	pCi/L	Y	U	U	11-2438	CAPA-11-9499	ARSL
R-54 S2	915	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	—	—	0.01	SU	Y	H	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	J-	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.24	—	—	0.01	SU	Y	H	J-	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	J-	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	—	—	0.01	SU	Y	H	J-	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.1	—	—	0.725	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58	—	—	0.73	mg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.73	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.1	—	—	0.73	mg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.5	—	—	0.73	mg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00334	0.00748	0.0381	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00573	0.0074	0.03	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0169	0.0074	0.029	—	pCi/L	Y	U	U	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00735	0.0052	0.037	—	pCi/L	Y	U	U	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000299	0.0024	0.025	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.65	—	—	1.7	µg/L	Y	J	J	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.04	—	—	1.7	µg/L	Y	J	J	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	11.1	—	—	1	µg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	9.78	—	—	1	µg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	9.64	—	—	1	µg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	9.57	—	—	1	µg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	10.4	—	—	1	µg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.4	—	—	0.05	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.9	—	—	0.05	mg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.1	—	—	0.05	mg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.28	1.65	5.69	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.466	1.4	5.5	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.312	1.6	5	—	pCi/L	Y	U	U	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.131	1.5	5	—	pCi/L	Y	U	U	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.88	1.3	3.9	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.85	—	—	0.067	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.88	—	—	0.066	mg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	—	0.066	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-54 S2	915	05/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.98	—	—	0.066	mg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.86	—	—	0.066	mg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.125	1.61	6.12	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.222	1.5	5.9	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.5	1.5	5.4	—	pCi/L	Y	U	U	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.77	1.8	6.9	—	pCi/L	Y	U	U	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.206	1.4	4.6	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.226	—	—	0.033	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.224	—	—	0.033	mg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.226	—	—	0.033	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.26	—	—	0.033	mg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.219	—	—	0.033	mg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.99	0.447	2.79	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.53	0.86	2.5	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.84	0.78	2.8	—	pCi/L	Y	U	U	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.33	0.91	2.8	—	pCi/L	Y	U	U	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.373	0.46	1.9	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.523	0.764	2.71	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.934	0.73	2.5	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.751	0.87	3	—	pCi/L	Y	U	U	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.226	0.82	2.9	—	pCi/L	Y	U	U	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.86	0.92	3	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.8	—	—	0.453	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.7	—	—	0.45	mg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.7	—	—	0.45	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.8	—	—	0.45	mg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43	—	—	0.35	mg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	30.3	—	—	30	µg/L	Y	J	J	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.79	—	—	0.11	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.14	—	—	0.11	mg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.94	—	—	0.11	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.16	—	—	0.11	mg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.1	—	—	0.085	mg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.3	—	—	0.165	µg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.17	µg/L	Y	—	J	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.17	µg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.17	µg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.17	µg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-7.15	3.51	11.2	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.915	3.2	11	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.982	2.6	8.2	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.417	2.6	8.7	—	pCi/L	Y	U	U	11-142	CAPA-10-27446	GELC
R-54 S2	915	07/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.433	3.2	11	—	pCi/L	Y	U	U	10-3860	CAPA-10-24165	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.79	—	—	0.5	µg/L	Y	J	J	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.2	—	—	0.5	µg/L	Y	J	U	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.703	—	—	0.5	µg/L	Y	J	J	11-2329	CAPA-11-9501	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.685	—	—	0.5	µg/L	Y	J	J	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.371	—	—	0.017	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.383	—	—	0.05	mg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.389	—	—	0.05	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.33	—	—	0.01	mg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.293	—	—	0.05	mg/L	Y	—	J-	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00908	0.00677	0.0291	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00432	0.011	0.049	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0101	0.0062	0.038	—	pCi/L	Y	U	U	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00387	0.0039	0.03	—	pCi/L	Y	U	U	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00227	0.0051	0.025	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00907	0.00676	0.0483	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00432	0.0043	0.068	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0036	0.052	—	pCi/L	Y	U	U	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00581	0.0034	0.049	—	pCi/L	Y	U	U	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00681	0.0051	0.045	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.87	—	—	0.05	mg/L	Y	—	J	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.65	—	—	0.05	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.7	—	—	0.05	mg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.03	—	—	0.05	mg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.1	20.9	81.9	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.9	22	88	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-22.6	17	56	—	pCi/L	Y	U	U	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.3	20	65	—	pCi/L	Y	U	U	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.6	17	53	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.4	—	—	0.053	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.6	—	—	0.053	mg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.8	—	—	0.053	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.7	—	—	0.053	mg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.7	—	—	0.053	mg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10	—	—	0.1	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.36	—	—	0.1	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.03	1.86	6.43	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.16	1.5	7	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.242	1.2	4.2	—	pCi/L	Y	U	U	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.74	1.5	5.6	—	pCi/L	Y	U	U	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.746	1.4	4.3	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	1	µS/cm	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	—	1	µS/cm	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	µS/cm	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	129	—	—	1	µS/cm	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	1	µS/cm	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	57.1	—	—	1	µg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.5	—	—	1	µg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.8	—	—	1	µg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52	—	—	1	µg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.5	—	—	1	µg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0176	0.129	0.489	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00481	0.13	0.47	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.229	0.14	0.46	—	pCi/L	Y	U	U	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.084	0.13	0.5	—	pCi/L	Y	U	U	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.09	0.14	0.48	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.72	—	—	0.133	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.99	—	—	0.1	mg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.9	—	—	0.1	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.13	—	—	0.1	mg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.99	—	—	0.1	mg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	3.4	mg/L	Y	—	NQ	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	2.4	mg/L	Y	—	J	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	2.4	mg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.725	—	—	0.33	mg/L	Y	J	J	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	12-229	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.455	—	—	0.33	mg/L	Y	J	J	11-2797	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.437	—	—	0.33	mg/L	Y	J	J	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.415	—	—	0.33	mg/L	Y	J	J	11-1068	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.514	0.757	2.525	—	pCi/L	Y	U	U	2013-253	CAPA-12-23816	ARSL
R-54 S2	915	05/04/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.083	0.636	2.166	—	pCi/L	Y	U	UJ	12-1292	CAPA-12-13246	ARSL
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.33	0.65	2.2	—	pCi/L	Y	U	U	12-244	CAPA-12-1172	ARSL
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.1288	0.7406	2.5438	—	pCi/L	Y	U	U	11-2800	CAPA-11-22976	ARSL
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.6118	0.6762	2.2862	—	pCi/L	Y	U	U	11-2438	CAPA-11-9500	ARSL
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.361	—	—	0.067	µg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.307	—	—	0.067	µg/L	Y	—	U	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.37	—	—	0.067	µg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.434	—	—	0.067	µg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.433	—	—	0.067	µg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.262	0.0332	0.0785	—	pCi/L	Y	—	NQ	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.24	0.027	0.048	—	pCi/L	Y	—	NQ	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.269	0.03	0.04	—	pCi/L	Y	—	NQ	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.259	0.03	0.053	—	pCi/L	Y	—	NQ	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.278	0.03	0.036	—	pCi/L	Y	—	NQ	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00418	0.0139	0.049	—	pCi/L	Y	U	U	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0116	0.007	0.025	—	pCi/L	Y	U	U	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0179	0.0064	0.022	—	pCi/L	Y	U	U	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0178	0.0077	0.041	—	pCi/L	Y	U	U	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	2.7E-10	0.0045	0.027	—	pCi/L	Y	U	U	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.115	0.0219	0.0533	—	pCi/L	Y	—	NQ	2013-223	CAPA-12-23816	GELC
R-54 S2	915	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0993	0.015	0.021	—	pCi/L	Y	—	NQ	12-231	CAPA-12-1172	GELC
R-54 S2	915	07/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0887	0.016	0.024	—	pCi/L	Y	—	NQ	11-2799	CAPA-11-22976	GELC
R-54 S2	915	05/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.121	0.019	0.028	—	pCi/L	Y	—	NQ	11-2329	CAPA-11-9500	GELC
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.138	0.019	0.025	—	pCi/L	Y	—	NQ	11-1069	CAPA-11-3050	GELC
R-54 S2	915	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.68	—	—	1	µg/L	Y	—	NQ	2013-223	CAPA-12-23843	GELC
R-54 S2	915	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.83	—	—	1	µg/L	Y	J	J	12-230	CAPA-12-1170	GELC
R-54 S2	915	07/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.02	—	—	1	µg/L	Y	—	NQ	11-2798	CAPA-11-22977	GELC
R-54 S2	915	05/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.11	—	—	1	µg/L	Y	—	NQ	11-2329	CAPA-11-9501	GELC
R-54 S2	915	01/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.04	—	—	1	µg/L	Y	—	NQ	11-1069	CAPA-11-3051	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	NQ	2013-221	CAMO-12-23869	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-55 S1	860	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	J-	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.31	—	—	0.01	SU	Y	H	J-	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	J-	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	J-	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.9	—	—	0.725	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72	—	—	0.73	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73	—	—	0.73	mg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.9	—	—	0.73	mg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.6	—	—	0.73	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0056	0.0056	0.0382	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00484	0.007	0.052	—	pCi/L	Y	U	U	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0162	0.011	0.031	—	pCi/L	Y	U	U	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00254	0.0057	0.052	—	pCi/L	Y	U	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00635	0.0029	0.025	—	pCi/L	Y	U	U	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.81	—	—	1.7	µg/L	Y	J	J	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	35.6	—	—	1	µg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.4	—	—	1	µg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.5	—	—	1	µg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	35.1	—	—	1	µg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	34.7	—	—	1	µg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.8	—	—	15	µg/L	Y	J	J	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.4	—	—	15	µg/L	Y	J	J	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.7	—	—	15	µg/L	Y	J	J	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.5	—	—	15	µg/L	Y	J	J	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.5	—	—	15	µg/L	Y	J	J	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.4	—	—	0.05	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.8	—	—	0.05	mg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.6	—	—	0.05	mg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.382	1.42	5.39	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.03	1.6	5.6	—	pCi/L	Y	U	U	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.398	1.4	4.7	—	pCi/L	Y	U	U	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.62	1.3	3.7	—	pCi/L	Y	U	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.321	1.3	4.1	—	pCi/L	Y	U	U	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.81	—	—	0.067	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.62	—	—	0.066	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.74	—	—	0.066	mg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.4	—	—	0.066	mg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.83	—	—	0.066	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.6	—	—	2	µg/L	Y	J	J	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7	—	—	2	µg/L	Y	J	J	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.42	—	—	2	µg/L	Y	J	J	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.76	—	—	2	µg/L	Y	J	J	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.58	1.77	6.19	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.68	1.7	6	—	pCi/L	Y	U	U	12-210	CAPA-12-1201	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.02	1.2	4.3	—	pCi/L	Y	U	U	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.182	1	3.2	—	pCi/L	Y	U	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.42	1.5	4.4	—	pCi/L	Y	U	U	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.35	—	—	0.033	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.341	—	—	0.033	mg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.202	—	—	0.033	mg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.362	—	—	0.033	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.19	0.5	2.93	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.86	0.84	2.1	—	pCi/L	Y	U	U	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.59	0.63	2.5	—	pCi/L	Y	U	U	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.233	0.68	2.9	—	pCi/L	Y	U	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.343	0.52	2.2	—	pCi/L	Y	U	U	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.251	0.58	2.33	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.63	0.68	2.4	—	pCi/L	Y	U	U	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.26	0.83	2.5	—	pCi/L	Y	U	U	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.22	0.93	2.8	—	pCi/L	Y	—	NQ	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.67	0.78	2.3	—	pCi/L	Y	—	NQ	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.7	—	—	0.453	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.8	—	—	0.45	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.4	—	—	0.45	mg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.3	—	—	0.45	mg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.1	—	—	0.45	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.52	—	—	0.11	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.33	—	—	0.11	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.47	—	—	0.11	mg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.21	—	—	0.11	mg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.26	—	—	0.11	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.24	—	—	0.165	µg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22	—	—	0.17	µg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.955	—	—	0.17	µg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.17	µg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.15	—	—	0.17	µg/L	Y	—	U	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.464	3.43	12.1	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.15	3.1	12	—	pCi/L	Y	U	U	12-210	CAPA-12-1201	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.02	2.6	8.9	—	pCi/L	Y	U	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.69	2.5	7.9	—	pCi/L	Y	U	U	11-1295	CAPA-11-4718	GELC
R-55 S1	860	09/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.27	2.5	8.8	—	pCi/L	Y	U	U	10-4498	CAPA-10-26320	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.809	—	—	0.5	µg/L	Y	J	J	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.37	—	—	0.5	µg/L	Y	J	J	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.723	—	—	0.5	µg/L	Y	J	J	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.934	—	—	0.5	µg/L	Y	J	J	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.971	—	—	0.5	µg/L	Y	J	J	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.825	—	—	0.017	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.755	—	—	0.05	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.775	—	—	0.05	mg/L	Y	—	J-	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.627	—	—	0.01	mg/L	Y	—	J-	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.675	—	—	0.05	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00206	0.00356	0.0234	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00118	0.0047	0.051	—	pCi/L	Y	U	U	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00205	0.0029	0.031	—	pCi/L	Y	U	U	11-2851	CAPA-11-23022	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0019	0.03	—	pCi/L	Y	U	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00357	0.0036	0.02	—	pCi/L	Y	U	U	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00411	0.0278	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00418	0.006	0.049	—	pCi/L	Y	U	U	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00615	0.0068	0.042	—	pCi/L	Y	U	U	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0227	0.0072	0.048	—	pCi/L	Y	U	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-8.5E-10	0.0044	0.032	—	pCi/L	Y	U	U	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.56	—	—	0.05	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.64	—	—	0.05	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.68	—	—	0.05	mg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.65	—	—	0.05	mg/L	Y	—	J	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.01	21.1	80.7	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.9	24	89	—	pCi/L	Y	U	U	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-28	19	63	—	pCi/L	Y	U	U	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.6	15	56	—	pCi/L	Y	U	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	46.8	17	43	—	pCi/L	Y	UI	R	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.6	—	—	0.053	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.3	—	—	0.053	mg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.9	—	—	0.053	mg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.8	—	—	0.053	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.468	1.51	5.68	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.05	1.8	7.4	—	pCi/L	Y	U	U	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.105	1.5	5.2	—	pCi/L	Y	U	U	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.258	1.6	5.1	—	pCi/L	Y	U	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.78	1.3	4.8	—	pCi/L	Y	U	U	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	µS/cm	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	178	—	—	1	µS/cm	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	—	—	1	µS/cm	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	1	µS/cm	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	µS/cm	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	76.8	—	—	1	µg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	74.5	—	—	1	µg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	76.9	—	—	1	µg/L	Y	—	J	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	72.5	—	—	1	µg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	73.4	—	—	1	µg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.336	0.153	0.487	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0691	0.12	0.48	—	pCi/L	Y	U	U	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.256	0.11	0.49	—	pCi/L	Y	U	U	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.301	0.15	0.49	—	pCi/L	Y	U	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0936	0.12	0.47	—	pCi/L	Y	U	U	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.91	—	—	0.133	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.8	—	—	0.1	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.62	—	—	0.1	mg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-55 S1	860	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.02	—	—	0.1	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	157	—	—	3.4	mg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	157	—	—	2.4	mg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	2.4	mg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0372	—	—	0.035	mg/L	Y	J	J	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.18	mg/L	Y	U	U	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.789	—	—	0.33	mg/L	Y	J	J	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.592	—	—	0.33	mg/L	Y	J	J	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.533	—	—	0.33	mg/L	Y	J	J	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.876	—	—	0.33	mg/L	Y	J	J	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.914	0.742	2.419	—	pCi/L	Y	U	U	2013-252	CAMO-12-23862	ARSL
R-55 S1	860	04/26/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.901	0.718	2.114	—	pCi/L	Y	U	UJ	12-1257	CAPA-12-13349	ARSL
R-55 S1	860	04/26/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.26	0.609	2.048	—	pCi/L	Y	U	UJ	12-1257	CAPA-12-13263	ARSL
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.52	0.67	2.22	—	pCi/L	Y	U	U	12-244	CAPA-12-1201	ARSL
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.4186	0.6762	2.2862	—	pCi/L	Y	U	U	11-2878	CAPA-11-23022	ARSL
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.0948	0.7728	2.7048	—	pCi/L	Y	U	U	11-2264	CAPA-11-9505	ARSL
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.748	—	—	0.067	µg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.752	—	—	0.067	µg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.649	—	—	0.067	µg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.645	—	—	0.067	µg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.639	—	—	0.067	µg/L	Y	—	NQ	11-1295	CAPA-11-4719	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.473	0.0359	0.0417	—	pCi/L	Y	—	J	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.514	0.055	0.052	—	pCi/L	Y	—	NQ	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.436	0.041	0.037	—	pCi/L	Y	—	NQ	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.466	0.41	0.073	—	pCi/L	Y	—	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.441	0.041	0.034	—	pCi/L	Y	—	NQ	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00879	0.0106	0.0303	—	pCi/L	Y	U	U	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0382	0.012	0.038	—	pCi/L	Y	—	NQ	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0291	0.0091	0.02	—	pCi/L	Y	—	NQ	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.3	0.26	0.056	—	pCi/L	Y	—	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.036	0.0091	0.025	—	pCi/L	Y	—	NQ	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.225	0.0247	0.0284	—	pCi/L	Y	—	J	2013-221	CAMO-12-23862	GELC
R-55 S1	860	10/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.213	0.03	0.06	—	pCi/L	Y	—	NQ	12-210	CAPA-12-1201	GELC
R-55 S1	860	07/15/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.173	0.023	0.022	—	pCi/L	Y	—	NQ	11-2851	CAPA-11-23022	GELC
R-55 S1	860	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.243	0.21	0.038	—	pCi/L	Y	—	U	11-2230	CAPA-11-9505	GELC
R-55 S1	860	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.213	0.024	0.025	—	pCi/L	Y	—	NQ	11-1295	CAPA-11-4718	GELC
R-55 S1	860	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.34	—	—	1	µg/L	Y	—	NQ	2013-221	CAMO-12-23869	GELC
R-55 S1	860	10/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.3	—	—	1	µg/L	Y	—	NQ	12-210	CAPA-12-1200	GELC
R-55 S1	860	07/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.6	—	—	1	µg/L	Y	—	NQ	11-2851	CAPA-11-23021	GELC
R-55 S1	860	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.17	—	—	1	µg/L	Y	—	NQ	11-2230	CAPA-11-9503	GELC
R-55 S1	860	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.89	—	—	1	µg/L	Y	J	J	11-1295	CAPA-11-4719	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.47	—	—	0.01	SU	Y	H	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.5	—	—	0.01	SU	Y	H	J-	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	J-	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	J-	11-2230	CAPA-11-9507	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.46	—	—	0.01	SU	Y	H	J-	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.2	—	—	0.725	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.7	—	—	0.73	mg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.5	—	—	0.73	mg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.5	—	—	0.73	mg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.7	—	—	0.73	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00571	0.0389	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00826	0.0099	0.043	—	pCi/L	Y	U	U	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00977	0.0094	0.014	—	pCi/L	Y	U	U	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00558	0.0062	0.038	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00367	0.012	0.032	—	pCi/L	Y	U	U	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.47	—	—	1.7	µg/L	Y	J	J	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.6	—	—	1	µg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36	—	—	1	µg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	35.1	—	—	1	µg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	32.1	—	—	1	µg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.8	—	—	1	µg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.6	—	—	15	µg/L	Y	J	J	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.9	—	—	15	µg/L	Y	J	J	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.4	—	—	15	µg/L	Y	J	J	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	µg/L	Y	J	J	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.1	—	—	0.05	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19	—	—	0.05	mg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.7	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18	—	—	0.05	mg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.05	1.36	5.23	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.137	1.4	4.5	—	pCi/L	Y	U	U	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.48	1.7	5.9	—	pCi/L	Y	U	U	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.74	1.5	5.6	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.9	1.4	3.6	—	pCi/L	Y	U	U	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.84	—	—	0.067	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.8	—	—	0.066	mg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.75	—	—	0.066	mg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.69	—	—	0.066	mg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.62	—	—	0.066	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.73	—	—	2	µg/L	Y	J	J	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.26	—	—	2	µg/L	Y	J	J	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.03	—	—	2	µg/L	Y	J	J	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.38	1.37	5.75	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.157	1.4	5.3	—	pCi/L	Y	U	U	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.36	1.6	6.1	—	pCi/L	Y	U	U	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.705	1.5	4.6	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.65	1.6	4.3	—	pCi/L	Y	U	U	11-1272	CAPA-11-4726	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.386	—	—	0.033	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.359	—	—	0.033	mg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.316	—	—	0.033	mg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.373	—	—	0.033	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0725	0.526	2.65	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.1	0.69	2.1	—	pCi/L	Y	U	U	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.55	0.92	1.9	—	pCi/L	Y	—	U	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0946	0.66	2.8	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.09	0.89	2.3	—	pCi/L	Y	U	U	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.17	0.852	2.59	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.62	0.73	2.2	—	pCi/L	Y	U	U	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.94	0.9	2.4	—	pCi/L	Y	—	NQ	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.773	0.89	3	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.65	1.1	2.1	—	pCi/L	Y	—	NQ	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.7	—	—	0.453	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.7	—	—	0.45	mg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.5	—	—	0.45	mg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.3	—	—	0.45	mg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.7	—	—	0.45	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.88	—	—	0.11	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.7	—	—	0.11	mg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.18	—	—	0.11	mg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.44	—	—	0.11	mg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.39	—	—	0.11	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.39	—	—	0.165	µg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.35	—	—	0.17	µg/L	—	—	J	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.17	µg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.31	—	—	0.17	µg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.4	—	—	0.17	µg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.01	2.94	10.7	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.32	2.4	8.3	—	pCi/L	Y	U	U	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.219	3.4	11	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.977	2.5	8.4	—	pCi/L	Y	U	U	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	09/14/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.3	3.1	11	—	pCi/L	Y	U	U	10-4567	CAPA-10-26324	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.573	—	—	0.5	µg/L	Y	J	J	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.26	—	—	0.5	µg/L	Y	J	U	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.04	—	—	0.5	µg/L	Y	J	J	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.906	—	—	0.5	µg/L	Y	J	J	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.786	—	—	0.017	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.725	—	—	0.05	mg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.775	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.495	—	—	0.01	mg/L	Y	—	J-	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.56	—	—	0.05	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00213	0.00639	0.0242	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0131	0.014	0.037	—	pCi/L	Y	U	U	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00424	0.0037	0.036	—	pCi/L	Y	U	U	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00557	0.0056	0.029	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00222	0.0038	0.025	—	pCi/L	Y	U	U	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00213	0.00563	0.0288	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.008	0.052	—	pCi/L	Y	U	U	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00636	0.0056	0.052	—	pCi/L	Y	U	U	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00185	0.0067	0.047	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00443	0.0054	0.04	—	pCi/L	Y	U	U	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.81	—	—	0.05	mg/L	Y	—	J	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.82	—	—	0.05	mg/L	Y	—	J	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-32	19.6	65.5	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	19.3	16	37	—	pCi/L	Y	U	U	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.6	24	78	—	pCi/L	Y	U	U	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.3	22	73	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.23	22	71	—	pCi/L	Y	U	U	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.8	—	—	0.053	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.3	—	—	0.053	mg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.7	—	—	0.053	mg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.5	—	—	0.053	mg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.5	—	—	0.053	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.6	—	—	0.1	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.13	1.4	6.03	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.98	1.3	5.4	—	pCi/L	Y	U	U	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.746	2.3	7.3	—	pCi/L	Y	U	U	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.313	1.6	5.5	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.484	1.4	4.6	—	pCi/L	Y	U	U	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	µS/cm	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	1	µS/cm	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	—	1	µS/cm	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	µS/cm	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	µS/cm	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	93.9	—	—	1	µg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	96.2	—	—	1	µg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	73.6	—	—	1	µg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	86.6	—	—	1	µg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	81.1	—	—	1	µg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0917	0.135	0.48	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.324	0.15	0.49	—	pCi/L	Y	U	U	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0411	0.13	0.49	—	pCi/L	Y	U	U	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.215	0.15	0.5	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.147	0.14	0.47	—	pCi/L	Y	U	U	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.44	—	—	0.133	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.45	—	—	0.1	mg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.67	—	—	0.1	mg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.39	—	—	0.1	mg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.8	—	—	0.1	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	J	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	148	—	—	2.4	mg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	2.4	mg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.853	—	—	0.33	mg/L	Y	J	J	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.501	—	—	0.33	mg/L	Y	J	J	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2835	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.464	—	—	0.33	mg/L	Y	J	J	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.914	—	—	0.33	mg/L	Y	J	U	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	7.023	1.362	2.481	—	pCi/L	Y	—	NQ	2013-252	CAMO-12-23863	ARSL
R-55 S2	994.4	04/26/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.673	0.651	2.141	—	pCi/L	Y	U	UJ	12-1257	CAPA-12-13264	ARSL
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.74	0.66	2.17	—	pCi/L	Y	U	U	12-244	CAPA-12-1204	ARSL
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.5474	0.644	2.1574	—	pCi/L	Y	U	U	11-2878	CAPA-11-23024	ARSL
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.8694	0.6762	2.2862	—	pCi/L	Y	U	U	11-2264	CAPA-11-9508	ARSL
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.718	—	—	0.067	µg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.555	—	—	0.067	µg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.578	—	—	0.067	µg/L	Y	—	NQ	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.683	—	—	0.067	µg/L	Y	—	NQ	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.6	—	—	0.067	µg/L	Y	—	NQ	11-1272	CAPA-11-4729	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.369	0.0288	0.0351	—	pCi/L	Y	—	NQ	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.432	0.04	0.042	—	pCi/L	Y	—	NQ	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.47	0.052	0.074	—	pCi/L	Y	—	NQ	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.372	0.047	0.094	—	pCi/L	Y	—	NQ	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.445	0.043	0.038	—	pCi/L	Y	—	NQ	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00986	0.0078	0.0255	—	pCi/L	Y	U	U	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0345	0.0087	0.022	—	pCi/L	Y	—	NQ	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0124	0.0072	0.04	—	pCi/L	Y	U	U	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00895	0.009	0.072	—	pCi/L	Y	U	U	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0237	0.009	0.028	—	pCi/L	Y	U	U	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.229	0.0218	0.0239	—	pCi/L	Y	—	NQ	2013-221	CAMO-12-23863	GELC
R-55 S2	994.4	10/31/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.182	0.022	0.018	—	pCi/L	Y	—	NQ	12-225	CAPA-12-1204	GELC
R-55 S2	994.4	07/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.167	0.027	0.044	—	pCi/L	Y	—	NQ	11-2836	CAPA-11-23024	GELC
R-55 S2	994.4	04/28/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.188	0.031	0.049	—	pCi/L	Y	—	NQ	11-2230	CAPA-11-9508	GELC
R-55 S2	994.4	02/01/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.239	0.027	0.028	—	pCi/L	Y	—	NQ	11-1272	CAPA-11-4726	GELC
R-55 S2	994.4	10/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.14	—	—	1	µg/L	Y	—	NQ	2013-221	CAMO-12-23870	GELC
R-55 S2	994.4	10/31/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.48	—	—	1	µg/L	Y	—	NQ	12-225	CAPA-12-1205	GELC
R-55 S2	994.4	07/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.92	—	—	1	µg/L	Y	J	J	11-2835	CAPA-11-23026	GELC
R-55 S2	994.4	04/28/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.97	—	—	1	µg/L	Y	J	J	11-2230	CAPA-11-9507	GELC
R-55 S2	994.4	02/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.32	—	—	1	µg/L	Y	J	J	11-1272	CAPA-11-4729	GELC
R-55i	510	10/25/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.37	0.78	2.2	—	pCi/L	Y	—	NQ	2013-252	CAMO-12-23864	ARSL
R-55i	510	04/30/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.902	0.675	2.189	—	pCi/L	Y	U	UJ	12-1261	CAPA-12-13348	ARSL
R-55i	510	04/30/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.622	0.592	1.945	—	pCi/L	Y	U	UJ	12-1261	CAPA-12-13265	ARSL
R-55i	510	11/01/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.15	0.67	2.26	—	pCi/L	Y	U	U	12-244	CAPA-12-1225	ARSL
R-55i	510	11/01/11	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	N	-13.4	35	130	—	pCi/L	Y	U	U	12-243	CAPA-12-1225	GELC
R-55i	510	11/01/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.6	0.65	2.14	—	pCi/L	Y	U	U	12-244	CAPA-12-1224	ARSL
R-55i	510	11/01/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-6.73	35	130	—	pCi/L	Y	U	U	12-243	CAPA-12-1224	GELC
R-55i	510	07/18/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.3524	0.9016	3.0268	—	pCi/L	Y	U	U	11-2878	CAPA-11-22978	ARSL
R-55i	510	05/10/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.4186	0.644	2.2218	—	pCi/L	Y	U	U	11-2438	CAPA-11-10606	ARSL
R-56 S1	945	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	J-	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	J-	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	J-	11-2392	CAPA-11-9511	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-56 S1	945	02/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	—	0.01	SU	Y	H	J-	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.4	—	—	0.725	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.8	—	—	0.73	mg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.2	—	—	0.73	mg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.7	—	—	0.73	mg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66	—	—	0.73	mg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00456	0.0311	—	pCi/L	Y	U	U	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00836	0.0042	0.032	—	pCi/L	Y	U	U	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0168	0.01	0.029	—	pCi/L	Y	U	U	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00183	0.0032	0.037	—	pCi/L	Y	U	U	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00136	0.0023	0.023	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.7	—	—	1	µg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.4	—	—	1	µg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	32.9	—	—	1	µg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	32.5	—	—	1	µg/L	Y	—	J	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	32.1	—	—	1	µg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.1	—	—	0.05	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.7	—	—	0.05	mg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.2	—	—	0.05	mg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.6	—	—	0.05	mg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.1	—	—	0.05	mg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.466	1.3	4.73	—	pCi/L	Y	U	U	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.346	1.6	6	—	pCi/L	Y	U	U	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.96	1.9	6.2	—	pCi/L	Y	U	U	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.72	2	7	—	pCi/L	Y	U	U	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0054	1.4	4.8	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.49	—	—	0.067	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.33	—	—	0.066	mg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.066	mg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.44	—	—	0.066	mg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.38	—	—	0.066	mg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.98	1.23	5.27	—	pCi/L	Y	U	U	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.505	1.2	4.6	—	pCi/L	Y	U	U	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.96	2.2	8.1	—	pCi/L	Y	U	U	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.593	1.2	4.1	—	pCi/L	Y	U	U	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.83	1.6	5.7	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.327	—	—	0.033	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.311	—	—	0.033	mg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.31	—	—	0.033	mg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.357	—	—	0.033	mg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.333	—	—	0.033	mg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.141	0.622	2.69	—	pCi/L	Y	U	U	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0268	0.65	2.8	—	pCi/L	Y	U	UJ	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0239	0.48	2.3	—	pCi/L	Y	U	U	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.07	0.79	2.6	—	pCi/L	Y	U	U	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.112	0.41	2.3	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.59	0.871	2.51	—	pCi/L	Y	—	NQ	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.145	0.55	2.1	—	pCi/L	Y	U	U	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.6	0.77	2.5	—	pCi/L	Y	U	U	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.97	1.1	3	—	pCi/L	Y	—	NQ	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.32	0.91	3	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.8	—	—	0.453	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.6	—	—	0.45	mg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.1	—	—	0.45	mg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.5	—	—	0.45	mg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.9	—	—	0.45	mg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.15	—	—	0.11	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.61	—	—	0.11	mg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.28	—	—	0.11	mg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.24	—	—	0.11	mg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.18	—	—	0.11	mg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.91	—	—	0.165	µg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.75	—	—	0.17	µg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.76	—	—	0.17	µg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.01	—	—	0.17	µg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.96	—	—	0.17	µg/L	Y	—	J	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.639	2.33	8.28	—	pCi/L	Y	U	U	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.156	2.6	9.5	—	pCi/L	Y	U	U	12-266	CAPA-12-1207	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.71	2.9	9.2	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC
R-56 S1	945	08/19/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.409	2.8	9.3	—	pCi/L	Y	U	U	10-4233	CAPA-10-24868	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.901	—	—	0.5	µg/L	Y	J	J	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.96	—	—	0.5	µg/L	Y	J	J	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.799	—	—	0.5	µg/L	Y	J	J	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.828	—	—	0.5	µg/L	Y	J	J	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.91	—	—	0.5	µg/L	Y	J	U	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.855	—	—	0.085	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.788	—	—	0.01	mg/L	Y	—	J-	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.812	—	—	0.1	mg/L	Y	—	U	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.926	—	—	0.1	mg/L	Y	—	J-	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.57	—	—	0.05	mg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00544	0.00666	0.0309	—	pCi/L	Y	U	U	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00894	0.014	0.034	—	pCi/L	Y	U	U	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00215	0.0048	0.032	—	pCi/L	Y	U	U	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.014	0.0058	0.037	—	pCi/L	Y	U	U	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00418	0.0089	0.023	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00272	0.00608	0.0368	—	pCi/L	Y	U	U	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0073	0.047	—	pCi/L	Y	U	U	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00861	0.0068	0.045	—	pCi/L	Y	U	U	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0066	0.059	—	pCi/L	Y	U	U	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00418	0.0051	0.038	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.91	—	—	0.05	mg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.81	—	—	0.05	mg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.64	—	—	0.05	mg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	J	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.27	15.8	64.2	—	pCi/L	Y	U	U	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.76	15	60	—	pCi/L	Y	U	U	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-54.8	21	60	—	pCi/L	Y	U	U	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.325	19	61	—	pCi/L	Y	U	U	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	40.3	20	76	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.8	—	—	0.053	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72	—	—	0.053	mg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	N	66.8	—	—	0.053	mg/L	Y	—	U	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.8	—	—	0.053	mg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.165	1.12	4.24	—	pCi/L	Y	U	U	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.855	0.92	3.4	—	pCi/L	Y	U	U	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.973	1.5	5.2	—	pCi/L	Y	U	U	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.04	1.2	3.8	—	pCi/L	Y	U	U	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.63	1.5	5	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	150	—	—	1	µS/cm	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	148	—	—	1	µS/cm	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	151	—	—	1	µS/cm	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	149	—	—	1	µS/cm	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	57.7	—	—	1	µg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	62.5	—	—	1	µg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61	—	—	1	µg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58	—	—	1	µg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	57.9	—	—	1	µg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.223	0.108	0.349	—	pCi/L	Y	U	U	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0637	0.14	0.49	—	pCi/L	Y	U	U	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0507	0.14	0.51	—	pCi/L	Y	U	U	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.136	0.16	0.55	—	pCi/L	Y	U	U	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0257	0.14	0.49	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.45	—	—	0.133	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.19	—	—	0.1	mg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.97	—	—	0.1	mg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.23	—	—	0.1	mg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.03	—	—	0.1	mg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	111	—	—	3.4	mg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	2.4	mg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	2.4	mg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.564	—	—	0.33	mg/L	Y	J	J	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.534	—	—	0.33	mg/L	Y	J	J	12-264	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2899	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.337	—	—	0.33	mg/L	Y	J	J	11-2391	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.878	—	—	0.33	mg/L	Y	J	J	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0394	—	—	0.017	mg/L	Y	J	J	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0228	—	—	0.015	mg/L	Y	J	J	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0334	—	—	0.015	mg/L	Y	J	U	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0547	—	—	0.015	mg/L	Y	—	U	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.033	—	—	0.015	mg/L	Y	J	J	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.346	0.626	2.097	—	pCi/L	Y	U	U	2013-217	CAPA-12-23817	ARSL
R-56 S1	945	04/25/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.827	0.645	2.094	—	pCi/L	Y	U	UJ	12-1262	CAPA-12-13247	ARSL
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.97	0.69	2.24	—	pCi/L	Y	U	U	12-301	CAPA-12-1207	ARSL

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.4508	0.5796	1.9964	—	pCi/L	Y	U	U	11-2942	CAPA-11-23029	ARSL
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.5778	0.7406	2.4794	—	pCi/L	Y	U	U	11-2438	CAPA-11-9510	ARSL
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.832	—	—	0.067	µg/L	Y	—	NQ	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.645	—	—	0.067	µg/L	Y	—	NQ	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.592	—	—	0.067	µg/L	Y	—	NQ	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.666	—	—	0.067	µg/L	Y	—	NQ	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.651	—	—	0.067	µg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.455	0.0366	0.0471	—	pCi/L	Y	—	J	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.397	0.042	0.061	—	pCi/L	Y	—	NQ	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.464	0.044	0.041	—	pCi/L	Y	—	NQ	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.363	0.041	0.071	—	pCi/L	Y	—	NQ	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.438	0.041	0.036	—	pCi/L	Y	—	NQ	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0132	0.00937	0.0342	—	pCi/L	Y	U	U	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00594	0.0042	0.032	—	pCi/L	Y	U	U	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0487	0.012	0.022	—	pCi/L	Y	—	NQ	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0169	0.009	0.054	—	pCi/L	Y	U	U	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0112	0.0068	0.027	—	pCi/L	Y	U	U	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.222	0.025	0.0321	—	pCi/L	Y	—	J	2013-179	CAPA-12-23817	GELC
R-56 S1	945	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.185	0.025	0.027	—	pCi/L	Y	—	NQ	12-266	CAPA-12-1207	GELC
R-56 S1	945	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.231	0.027	0.025	—	pCi/L	Y	—	NQ	11-2900	CAPA-11-23029	GELC
R-56 S1	945	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.183	0.026	0.037	—	pCi/L	Y	—	NQ	11-2392	CAPA-11-9510	GELC
R-56 S1	945	02/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.216	0.025	0.026	—	pCi/L	Y	—	NQ	11-1282	CAPA-11-4722	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.21	—	—	1	µg/L	Y	J	J	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.1	—	—	1	µg/L	Y	J	J	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.81	—	—	1	µg/L	Y	J	J	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	4.15	—	—	1	µg/L	Y	J	U	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.45	—	—	1	µg/L	Y	J	J	11-1282	CAPA-11-4723	GELC
R-56 S1	945	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.5	—	—	3.3	µg/L	Y	J	J	2013-179	CAPA-12-23844	GELC
R-56 S1	945	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-265	CAPA-12-1206	GELC
R-56 S1	945	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.03	—	—	3.3	µg/L	Y	J	J	11-2900	CAPA-11-23028	GELC
R-56 S1	945	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	14.1	—	—	3.3	µg/L	Y	—	U	11-2392	CAPA-11-9511	GELC
R-56 S1	945	02/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	106	—	—	3.3	µg/L	Y	—	NQ	11-1282	CAPA-11-4723	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	—	—	0.01	SU	Y	H	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.28	—	—	0.01	SU	Y	H	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	—	—	0.01	SU	Y	H	J-	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	—	—	0.01	SU	Y	H	J-	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	J-	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	J-	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	J-	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.6	—	—	0.725	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.1	—	—	0.725	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.6	—	—	0.73	mg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.7	—	—	0.73	mg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.1	—	—	0.73	mg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.6	—	—	0.73	mg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.5	—	—	0.73	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00368	0.0355	—	pCi/L	Y	U	U	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00487	0.00487	0.0332	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0187	0.0094	0.036	—	pCi/L	Y	U	U	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0024	0.0042	0.037	—	pCi/L	Y	U	U	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00442	0.0044	0.03	—	pCi/L	Y	U	U	11-2900	CAPA-11-23032	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00565	0.0068	0.038	—	pCi/L	Y	U	U	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00783	0.0044	0.024	—	pCi/L	Y	U	U	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.7	—	—	1	µg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.8	—	—	1	µg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.5	—	—	1	µg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.3	—	—	1	µg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.3	—	—	1	µg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.7	—	—	1	µg/L	Y	—	J	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.4	—	—	1	µg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.8	—	—	0.05	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.1	—	—	0.05	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.81	1.32	5.28	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.73	1.28	4.12	—	pCi/L	Y	U	U	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.993	1.2	4.3	—	pCi/L	Y	U	U	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.94	1.6	6.6	—	pCi/L	Y	U	U	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.255	1.5	4.9	—	pCi/L	Y	U	U	11-2900	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.444	1.9	6.4	—	pCi/L	Y	U	U	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.655	1.3	4.1	—	pCi/L	Y	U	U	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.88	—	—	0.067	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.86	—	—	0.067	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.86	—	—	0.066	mg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.86	—	—	0.066	mg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.02	—	—	0.066	mg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.09	—	—	0.066	mg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.27	—	—	0.066	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.53	0.946	3.11	—	pCi/L	Y	U	U	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.697	1.24	4.94	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.107	1.3	4.9	—	pCi/L	Y	U	U	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.04	1.2	3.6	—	pCi/L	Y	U	U	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.85	1.6	5.7	—	pCi/L	Y	U	U	11-2900	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.59	2.2	7.7	—	pCi/L	Y	U	U	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.85	1.2	4.4	—	pCi/L	Y	U	U	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.321	—	—	0.033	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.299	—	—	0.033	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.291	—	—	0.033	mg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.293	—	—	0.033	mg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.295	—	—	0.033	mg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.321	—	—	0.033	mg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.333	—	—	0.033	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.992	0.714	2.42	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.13	0.808	2.64	—	pCi/L	Y	U	U	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.878	0.62	2.1	—	pCi/L	Y	U	UJ	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.794	0.68	2.4	—	pCi/L	Y	U	UJ	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.634	0.48	1.6	—	pCi/L	Y	U	U	11-2900	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.27	0.86	2.8	—	pCi/L	Y	U	U	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.363	0.61	2.5	—	pCi/L	Y	U	U	11-1290	CAPA-11-4731	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.7	0.619	1.84	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.71	0.966	2.83	—	pCi/L	Y	—	NQ	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	2.79	0.8	2.1	—	pCi/L	Y	—	NQ	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.848	0.62	2.1	—	pCi/L	Y	U	U	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.79	0.93	3	—	pCi/L	Y	U	U	11-2900	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.55	0.98	3	—	pCi/L	Y	U	U	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.32	0.8	2.2	—	pCi/L	Y	—	NQ	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.4	—	—	0.453	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.9	—	—	0.453	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.8	—	—	0.45	mg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.7	—	—	0.45	mg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.5	—	—	0.45	mg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.3	—	—	0.45	mg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.3	—	—	0.45	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	71.2	—	—	30	µg/L	Y	J	J	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	47.8	—	—	30	µg/L	Y	J	J	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	69.3	—	—	30	µg/L	Y	J	J	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.37	—	—	0.11	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.34	—	—	0.11	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.45	—	—	0.11	mg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.45	—	—	0.11	mg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.51	—	—	0.11	mg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.56	—	—	0.11	mg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.64	—	—	0.11	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.9	—	—	0.165	µg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.89	—	—	0.165	µg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.61	—	—	0.17	µg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.64	—	—	0.17	µg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.54	—	—	0.17	µg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.14	—	—	0.17	µg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.73	—	—	0.17	µg/L	Y	—	J	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.77	2.5	7.79	—	pCi/L	Y	U	U	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.23	2.31	8.53	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.38	2.4	7.7	—	pCi/L	Y	U	U	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.26	3.1	12	—	pCi/L	Y	U	U	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.21	2.5	7.9	—	pCi/L	Y	U	U	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	08/13/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.25	2.4	8.7	—	pCi/L	Y	U	U	10-4168	CAPA-10-24872	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.72	—	—	0.5	µg/L	Y	J	J	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.634	—	—	0.5	µg/L	Y	J	J	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.731	—	—	0.5	µg/L	Y	J	J	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.601	—	—	0.5	µg/L	Y	J	J	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.7	—	—	0.5	µg/L	Y	J	J	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.614	—	—	0.5	µg/L	Y	J	J	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.909	—	—	0.5	µg/L	Y	J	J	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.377	—	—	0.017	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.381	—	—	0.017	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.384	—	—	0.05	mg/L	Y	—	J-	12-265	CAPA-12-1210	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.387	—	—	0.05	mg/L	Y	—	J-	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.475	—	—	0.1	mg/L	Y	J	U	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.682	—	—	0.1	mg/L	Y	—	J-	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.51	—	—	0.05	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00264	0.00457	0.0254	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00659	0.0306	—	pCi/L	Y	U	U	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00278	0.0083	0.032	—	pCi/L	Y	U	U	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0144	0.01	0.033	—	pCi/L	Y	U	U	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0046	0.008	0.035	—	pCi/L	Y	U	U	11-2900	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00713	0.0041	0.037	—	pCi/L	Y	U	U	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00414	0.0041	0.023	—	pCi/L	Y	U	U	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00528	0.0421	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00538	0.0364	—	pCi/L	Y	U	U	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0028	0.044	—	pCi/L	Y	U	U	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0041	0.045	—	pCi/L	Y	U	U	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00689	0.0069	0.048	—	pCi/L	Y	U	U	11-2900	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0166	0.0064	0.06	—	pCi/L	Y	U	U	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00414	0.0051	0.037	—	pCi/L	Y	U	U	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.87	—	—	0.05	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.85	—	—	0.05	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.85	—	—	0.05	mg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.87	—	—	0.05	mg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.88	—	—	0.05	mg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.85	—	—	0.05	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-4.23	17.8	69.3	—	pCi/L	Y	U	U	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.13	16.6	65.6	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	17.2	23	90	—	pCi/L	Y	U	U	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.54	17	62	—	pCi/L	Y	U	U	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16	18	52	—	pCi/L	Y	U	U	11-2900	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.32	27	87	—	pCi/L	Y	U	U	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.64	18	65	—	pCi/L	Y	U	U	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.6	—	—	0.053	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.1	—	—	0.053	mg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.7	—	—	0.053	mg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	N	68.4	—	—	0.053	mg/L	Y	—	U	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.9	—	—	0.053	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.25	1.59	5.46	—	pCi/L	Y	U	U	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.71	0.996	4.56	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.00886	1.4	5.5	—	pCi/L	Y	U	U	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.16	1.2	4.9	—	pCi/L	Y	U	U	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.48	1.7	5.3	—	pCi/L	Y	U	U	11-2900	CAPA-11-23032	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.621	2.1	7.2	—	pCi/L	Y	U	U	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.739	1.1	3.5	—	pCi/L	Y	U	U	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	1	µS/cm	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	137	—	—	1	µS/cm	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.5	—	—	1	µg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.7	—	—	1	µg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.5	—	—	1	µg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.8	—	—	1	µg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.4	—	—	1	µg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	55.6	—	—	1	µg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.8	—	—	1	µg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.299	0.126	0.487	—	pCi/L	Y	U	U	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0463	0.13	0.483	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.166	0.15	0.48	—	pCi/L	Y	U	U	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.143	0.14	0.47	—	pCi/L	Y	U	U	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.106	0.13	0.47	—	pCi/L	Y	U	U	11-2900	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.325	0.12	0.41	—	pCi/L	Y	U	U	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0885	0.14	0.49	—	pCi/L	Y	U	U	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.6	—	—	0.133	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.49	—	—	0.133	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3	—	—	0.1	mg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.92	—	—	0.1	mg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.72	—	—	0.1	mg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.41	—	—	0.1	mg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.95	—	—	0.1	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	111	—	—	3.4	mg/L	Y	—	NQ	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	2.4	mg/L	Y	—	NQ	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	148	—	—	2.4	mg/L	Y	—	NQ	11-1290	CAPA-11-4730	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.688	—	—	0.33	mg/L	Y	J	J	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.755	—	—	0.33	mg/L	Y	J	J	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.569	—	—	0.33	mg/L	Y	J	J	12-264	CAPA-12-1212	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.562	—	—	0.33	mg/L	Y	J	J	12-264	CAPA-12-1213	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2899	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2391	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.933	—	—	0.33	mg/L	Y	J	J	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0658	—	—	0.017	mg/L	Y	—	NQ	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0525	—	—	0.017	mg/L	Y	—	NQ	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.12	—	—	0.015	mg/L	Y	—	U	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0532	—	—	0.015	mg/L	Y	—	U	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.064	—	—	0.015	mg/L	Y	—	U	11-1290	CAPA-11-4730	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.025	0.641	2.183	—	pCi/L	Y	U	U	2013-217	CAPA-12-23818	ARSL
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.799	0.661	2.155	—	pCi/L	Y	U	U	2013-217	CAPA-12-23764	ARSL
R-56 S2	1046.6	04/25/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.903	0.631	2.035	—	pCi/L	Y	U	UJ	12-1262	CAPA-12-13248	ARSL
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.55	0.64	2.11	—	pCi/L	Y	U	U	12-301	CAPA-12-1213	ARSL
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.57	0.6	2.05	—	pCi/L	Y	U	U	12-301	CAPA-12-1212	ARSL
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.0322	0.644	2.2218	—	pCi/L	Y	U	U	11-2942	CAPA-11-23032	ARSL
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.2576	0.7084	2.4472	—	pCi/L	Y	U	U	11-2438	CAPA-11-9514	ARSL
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.293	0.032	0.0525	—	pCi/L	Y	—	NQ	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.277	0.0311	0.0528	—	pCi/L	Y	—	NQ	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.257	0.032	0.069	—	pCi/L	Y	—	NQ	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.294	0.036	0.076	—	pCi/L	Y	—	NQ	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.344	0.035	0.041	—	pCi/L	Y	—	NQ	11-2900	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.365	0.043	0.079	—	pCi/L	Y	—	NQ	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.437	0.042	0.038	—	pCi/L	Y	—	NQ	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0111	0.00976	0.0381	—	pCi/L	Y	U	U	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00742	0.00742	0.0383	—	pCi/L	Y	U	U	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0067	0.0048	0.036	—	pCi/L	Y	U	U	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00741	0.0074	0.04	—	pCi/L	Y	U	U	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0252	0.009	0.022	—	pCi/L	Y	—	U	11-2900	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0227	0.0094	0.061	—	pCi/L	Y	U	U	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0303	0.0087	0.028	—	pCi/L	Y	—	NQ	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.141	0.0227	0.0359	—	pCi/L	Y	—	NQ	2013-179	CAPA-12-23764	GELC
R-56 S2	1046.6	10/18/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.161	0.0235	0.0357	—	pCi/L	Y	—	NQ	2013-179	CAPA-12-23818	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.133	0.022	0.031	—	pCi/L	Y	—	NQ	12-266	CAPA-12-1213	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.132	0.023	0.034	—	pCi/L	Y	—	NQ	12-266	CAPA-12-1212	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.195	0.023	0.025	—	pCi/L	Y	—	NQ	11-2900	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.168	0.026	0.041	—	pCi/L	Y	—	NQ	11-2392	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.215	0.025	0.027	—	pCi/L	Y	—	NQ	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.89	—	—	1	µg/L	Y	J	J	2013-179	CAPA-12-23845	GELC
R-56 S2	1046.6	10/18/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.33	—	—	1	µg/L	Y	J	J	2013-179	CAPA-12-23767	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.77	—	—	1	µg/L	Y	J	J	12-265	CAPA-12-1211	GELC
R-56 S2	1046.6	11/02/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.79	—	—	1	µg/L	Y	J	J	12-265	CAPA-12-1210	GELC
R-56 S2	1046.6	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.33	—	—	1	µg/L	Y	J	J	11-2900	CAPA-11-23030	GELC
R-56 S2	1046.6	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	4.04	—	—	1	µg/L	Y	J	U	11-2392	CAPA-11-9513	GELC
R-56 S2	1046.6	02/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.88	—	—	1	µg/L	Y	J	J	11-1290	CAPA-11-4730	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	J-	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	J-	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.63	—	—	0.01	SU	Y	H	J-	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	J-	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.9	—	—	0.725	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.7	—	—	0.73	mg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.1	—	—	0.73	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.2	—	—	0.73	mg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.4	—	—	0.73	mg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00888	0.00662	0.0404	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0086	0.0061	0.035	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00234	0.004	0.032	—	pCi/L	Y	U	U	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00941	0.0098	0.038	—	pCi/L	Y	U	U	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00657	0.0046	0.062	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.13	—	—	1.7	µg/L	Y	J	J	2013-60	CAPA-12-23846	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.3	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.9	—	—	1	µg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.9	—	—	1	µg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.4	—	—	1	µg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.8	—	—	1	µg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.5	—	—	0.05	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.3	—	—	0.05	mg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.6	—	—	0.05	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.6	—	—	0.05	mg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.5	—	—	0.05	mg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.116	1.3	4.77	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.87	1.6	5.7	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.668	2	6.7	—	pCi/L	Y	U	U	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.58	1.7	4.9	—	pCi/L	Y	U	U	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.66	1.2	4.3	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.21	—	—	0.067	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.22	—	—	0.066	mg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.24	—	—	0.066	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.33	—	—	0.066	mg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.5	—	—	0.066	mg/L	Y	—	J+	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.37	—	—	2	µg/L	Y	J	J	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.31	—	—	2	µg/L	Y	J	J	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.55	—	—	2.5	µg/L	Y	J	J	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.05	1.27	5.32	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.656	1.4	5.9	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.353	1.7	5.6	—	pCi/L	Y	U	U	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.234	1.6	5.2	—	pCi/L	Y	U	U	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.518	1.2	4.1	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.27	—	—	0.033	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.291	—	—	0.033	mg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.287	—	—	0.033	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.335	—	—	0.033	mg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.303	—	—	0.033	mg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.59	0.894	2.79	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.341	0.65	2.7	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.38	0.73	2.1	—	pCi/L	Y	U	U	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.274	0.69	2.8	—	pCi/L	Y	U	U	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.247	0.49	2.2	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.35	0.825	2.7	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.705	0.73	2.5	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.8	0.88	2.4	—	pCi/L	Y	—	NQ	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.84	0.99	2.9	—	pCi/L	Y	U	U	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.06	0.9	2.8	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.8	—	—	0.453	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.3	—	—	0.45	mg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.7	—	—	0.45	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.9	—	—	0.45	mg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.1	—	—	0.35	mg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.65	—	—	0.11	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.43	—	—	0.11	mg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.58	—	—	0.11	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.62	—	—	0.11	mg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.36	—	—	0.085	mg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	19.1	—	—	2	µg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	41.7	—	—	2	µg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	64.7	—	—	2	µg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	78.6	—	—	2	µg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	13.7	—	—	2	µg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.57	—	—	0.165	µg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.21	—	—	0.17	µg/L	Y	—	J	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.16	—	—	0.17	µg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.33	—	—	0.17	µg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.83	—	—	0.1	µg/L	Y	—	J	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.57	2.81	9.56	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.713	2.5	9	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.99	2.2	7.8	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.35	—	—	0.5	µg/L	Y	J	J	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2.1	—	—	0.5	µg/L	Y	—	U	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.41	—	—	0.5	µg/L	Y	J	J	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.62	—	—	0.5	µg/L	Y	J	J	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.678	—	—	0.5	µg/L	Y	J	J	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.489	—	—	0.017	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.505	—	—	0.05	mg/L	Y	—	J	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.462	—	—	0.05	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.499	—	—	0.1	mg/L	Y	J	J	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.605	—	—	0.05	mg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.003	0.0067	0.0341	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00704	0.0086	0.061	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	1.43E-10	0.0034	0.036	—	pCi/L	Y	U	U	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0032	0.036	—	pCi/L	Y	U	U	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00781	0.01	0.035	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0104	0.0405	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00352	0.0061	0.06	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00963	0.0076	0.05	—	pCi/L	Y	U	U	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00454	0.0079	0.058	—	pCi/L	Y	U	U	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0026	0.0069	0.035	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.64	—	—	0.05	mg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.56	—	—	0.05	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.58	—	—	0.05	mg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	24.2	21.1	72.7	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.15	21	75	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-25.2	19	59	—	pCi/L	Y	U	U	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.5	19	66	—	pCi/L	Y	U	U	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.7	17	62	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.6	—	—	0.053	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.1	—	—	0.053	mg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.6	—	—	0.053	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68	—	—	0.053	mg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.9	—	—	0.053	mg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	E	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0937	1.42	5.38	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.68	1.5	5	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.44	1.5	4.9	—	pCi/L	Y	U	U	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.39	1.4	5.7	—	pCi/L	Y	U	U	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.321	1.1	3.8	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	1	µS/cm	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	1	µS/cm	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	1	µS/cm	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	139	—	—	1	µS/cm	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	62.4	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.5	—	—	1	µg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.4	—	—	1	µg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61.4	—	—	1	µg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.4	—	—	1	µg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.105	0.133	0.472	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0365	0.14	0.49	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0686	0.1	0.4	—	pCi/L	Y	U	U	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.106	0.15	0.52	—	pCi/L	Y	U	U	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.248	0.14	0.46	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.74	—	—	0.133	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.69	—	—	0.1	mg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.53	—	—	0.1	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.76	—	—	0.1	mg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.21	—	—	0.1	mg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	3.4	mg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	2.4	mg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	2.4	mg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.871	—	—	0.33	mg/L	Y	J	J	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.466	—	—	0.33	mg/L	Y	J	J	12-156	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.517	—	—	0.33	mg/L	Y	J	J	11-2826	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.693	—	—	0.33	mg/L	Y	J	J	11-2367	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.472	—	—	0.33	mg/L	Y	J	J	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.075	—	—	0.017	mg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0566	—	—	0.015	mg/L	Y	—	U	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.196	—	—	0.015	mg/L	Y	—	U	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.042	—	—	0.015	mg/L	Y	J	U	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.25	0.676	2.308	—	pCi/L	Y	U	U	2013-61	CAPA-12-23819	ARSL

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-57 S1	910	04/23/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.449	0.72	2.235	—	pCi/L	Y	U	U	12-1239	CAPA-12-13249	ARSL
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.24	0.63	2.16	—	pCi/L	Y	U	U	12-171	CAPA-12-1215	ARSL
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.0948	0.6118	2.0286	—	pCi/L	Y	U	U	11-2878	CAPA-11-23035	ARSL
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.8372	0.8694	2.9624	—	pCi/L	Y	U	U	11-2438	CAPA-11-9515	ARSL
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.306	—	—	0.067	µg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.369	—	—	0.067	µg/L	Y	—	NQ	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.369	—	—	0.067	µg/L	Y	—	U	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.372	—	—	0.067	µg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.35	—	—	0.05	µg/L	Y	—	U	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.266	0.0302	0.0508	—	pCi/L	Y	—	NQ	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.232	0.032	0.052	—	pCi/L	Y	—	NQ	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.243	0.03	0.056	—	pCi/L	Y	—	NQ	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.223	0.03	0.075	—	pCi/L	Y	—	NQ	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.321	0.035	0.058	—	pCi/L	Y	—	NQ	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00357	0.00799	0.0369	—	pCi/L	Y	U	U	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0155	0.0078	0.038	—	pCi/L	Y	U	U	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00311	0.0054	0.03	—	pCi/L	Y	U	U	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00715	0.0051	0.058	—	pCi/L	Y	U	U	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00836	0.0049	0.035	—	pCi/L	Y	U	U	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.136	0.0229	0.0346	—	pCi/L	Y	—	NQ	2013-60	CAPA-12-23819	GELC
R-57 S1	910	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.106	0.02	0.061	—	pCi/L	Y	—	NQ	12-157	CAPA-12-1215	GELC
R-57 S1	910	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.088	0.017	0.033	—	pCi/L	Y	—	NQ	11-2828	CAPA-11-23035	GELC
R-57 S1	910	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.145	0.024	0.039	—	pCi/L	Y	—	NQ	11-2368	CAPA-11-9515	GELC
R-57 S1	910	07/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.126	0.019	0.04	—	pCi/L	Y	—	NQ	10-3534	CAPA-10-22387	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.12	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.77	—	—	1	µg/L	Y	J	J	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.05	—	—	1	µg/L	Y	—	NQ	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.27	—	—	1	µg/L	Y	J	J	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.06	—	—	1	µg/L	Y	—	NQ	10-3534	CAPA-10-22388	GELC
R-57 S1	910	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.05	—	—	3.3	µg/L	Y	J	J	2013-60	CAPA-12-23846	GELC
R-57 S1	910	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.28	—	—	3.3	µg/L	Y	J	J	12-157	CAPA-12-1216	GELC
R-57 S1	910	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.43	—	—	3.3	µg/L	Y	J	J	11-2827	CAPA-11-23033	GELC
R-57 S1	910	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	29.2	—	—	3.3	µg/L	Y	—	NQ	11-2368	CAPA-11-9517	GELC
R-57 S1	910	07/01/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-3534	CAPA-10-22388	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.89	—	—	0.01	SU	Y	H	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.68	—	—	0.01	SU	Y	H	J-	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.65	—	—	0.01	SU	Y	H	J-	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	H	J-	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	J-	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.3	—	—	0.725	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	0.73	mg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.6	—	—	0.73	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.7	—	—	0.73	mg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63	—	—	0.73	mg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00251	0.00752	0.0342	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00903	0.0045	0.037	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00261	0.0045	0.035	—	pCi/L	Y	U	U	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0132	0.0057	0.038	—	pCi/L	Y	U	U	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00392	0.0037	0.025	—	pCi/L	Y	U	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.1	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.2	—	—	1	µg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.6	—	—	1	µg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.5	—	—	1	µg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	20	—	—	1	µg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.1	—	—	0.05	mg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.3	—	—	0.05	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.9	—	—	0.05	mg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.03	1.42	4.95	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.349	1.3	4.7	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.75	1.6	4.8	—	pCi/L	Y	U	U	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.45	1.9	6.2	—	pCi/L	Y	U	U	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.93	1.8	5.6	—	pCi/L	Y	U	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.02	—	—	0.067	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.11	—	—	0.066	mg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.16	—	—	0.066	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.25	—	—	0.066	mg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.066	mg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.15	—	—	2	µg/L	Y	J	J	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.27	—	—	2	µg/L	Y	J	J	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.23	—	—	2	µg/L	Y	J	J	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.86	—	—	2.5	µg/L	Y	J	J	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.08	1.8	7.24	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.11	1.3	5.8	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.51	1.7	6	—	pCi/L	Y	U	U	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.897	1.6	5.6	—	pCi/L	Y	U	U	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.04	1.3	5.5	—	pCi/L	Y	U	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.266	—	—	0.033	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.288	—	—	0.033	mg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.311	—	—	0.033	mg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.302	—	—	0.033	mg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.289	0.596	2.43	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.593	0.7	2.6	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.34	0.92	2.2	—	pCi/L	Y	—	U	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.454	0.7	2.8	—	pCi/L	Y	U	U	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.48	0.98	2.4	—	pCi/L	Y	—	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.05	0.76	2.27	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.84	0.77	2.3	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.21	0.81	2.3	—	pCi/L	Y	U	U	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.18	0.82	2.7	—	pCi/L	Y	U	U	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.06	0.64	2.1	—	pCi/L	Y	U	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.3	—	—	0.453	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.7	—	—	0.45	mg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.4	—	—	0.45	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.3	—	—	0.45	mg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46	—	—	0.35	mg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	40.6	—	—	30	µg/L	Y	J	J	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2827	CAPA-11-23037	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	35.8	—	—	30	µg/L	Y	J	J	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.46	—	—	0.11	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.39	—	—	0.11	mg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.46	—	—	0.11	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.39	—	—	0.11	mg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.49	—	—	0.085	mg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.28	—	—	2	µg/L	Y	J	J	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	8.34	—	—	2	µg/L	Y	J	J	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	10.8	—	—	2	µg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	16.5	—	—	2	µg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	9.42	—	—	2	µg/L	Y	J	J	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.29	—	—	0.165	µg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.63	—	—	0.17	µg/L	Y	—	J	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.39	—	—	0.17	µg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.42	—	—	0.17	µg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.89	—	—	0.1	µg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.72	3.03	10.8	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.54	3	10	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.51	3.5	12	—	pCi/L	Y	U	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.898	—	—	0.5	µg/L	Y	J	J	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.49	—	—	0.5	µg/L	Y	J	U	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.917	—	—	0.5	µg/L	Y	J	J	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.763	—	—	0.5	µg/L	Y	J	J	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.464	—	—	0.017	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.478	—	—	0.05	mg/L	Y	—	J	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.435	—	—	0.05	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.447	—	—	0.1	mg/L	Y	J	J	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.745	—	—	0.05	mg/L	Y	—	J	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00543	0.00405	0.0206	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0053	0.065	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00231	0.004	0.035	—	pCi/L	Y	U	U	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0111	0.005	0.035	—	pCi/L	Y	U	U	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00217	0.0065	0.033	—	pCi/L	Y	U	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00543	0.00543	0.0245	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00375	0.0065	0.063	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00694	0.0052	0.048	—	pCi/L	Y	U	U	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00221	0.0022	0.056	—	pCi/L	Y	U	U	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00434	0.0069	0.03	—	pCi/L	Y	U	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.65	—	—	0.05	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.62	—	—	0.05	mg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.59	—	—	0.05	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.44	—	—	0.05	mg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.58	—	—	0.05	mg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20.9	18.3	67.2	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.0773	21	81	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23	18	56	—	pCi/L	Y	U	U	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.3	21	78	—	pCi/L	Y	U	U	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-24.1	23	75	—	pCi/L	Y	U	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.4	—	—	0.053	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.7	—	—	0.053	mg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.1	—	—	0.053	mg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70	—	—	0.053	mg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.7	—	—	0.1	mg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.12	1.46	5.76	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.55	1.6	4.6	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.74	1.9	7	—	pCi/L	Y	U	U	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.569	1.5	5.2	—	pCi/L	Y	U	U	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.49	1.9	5.5	—	pCi/L	Y	U	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	137	—	—	1	µS/cm	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	µS/cm	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.8	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.9	—	—	1	µg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.7	—	—	1	µg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.2	—	—	1	µg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61.7	—	—	1	µg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.18	0.141	0.476	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0591	0.14	0.49	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00844	0.12	0.47	—	pCi/L	Y	U	U	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.337	0.13	0.41	—	pCi/L	Y	U	U	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.127	0.12	0.49	—	pCi/L	Y	U	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.41	—	—	0.133	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.53	—	—	0.1	mg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.46	—	—	0.1	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.69	—	—	0.1	mg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.56	—	—	0.1	mg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	2.4	mg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	157	—	—	2.4	mg/L	Y	—	J	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.888	—	—	0.33	mg/L	Y	J	J	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.347	—	—	0.33	mg/L	Y	J	J	12-156	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2826	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.537	—	—	0.33	mg/L	Y	J	J	11-2367	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.353	—	—	0.33	mg/L	Y	J	J	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0753	—	—	0.017	mg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0727	—	—	0.015	mg/L	Y	—	U	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.204	—	—	0.015	mg/L	Y	—	J	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0323	—	—	0.015	mg/L	Y	J	U	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.041	—	—	0.015	mg/L	Y	J	U	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.537	0.693	2.302	—	pCi/L	Y	U	U	2013-61	CAPA-12-23820	ARSL
R-57 S2	971.5	04/23/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.938	0.694	2.246	—	pCi/L	Y	U	U	12-1239	CAPA-12-13250	ARSL

TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0	0.64	2.18	—	pCi/L	Y	U	U	12-171	CAPA-12-1218	ARSL
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.161	0.644	2.254	—	pCi/L	Y	U	U	11-2878	CAPA-11-23039	ARSL
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.9338	0.5796	2.0286	—	pCi/L	Y	U	U	11-2438	CAPA-11-9518	ARSL
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.33	—	—	0.067	µg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.35	—	—	0.067	µg/L	Y	—	NQ	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.319	—	—	0.067	µg/L	Y	—	U	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.311	—	—	0.067	µg/L	Y	—	NQ	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.454	—	—	0.05	µg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.22	0.0246	0.038	—	pCi/L	Y	—	NQ	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.204	0.031	0.055	—	pCi/L	Y	—	NQ	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.156	0.021	0.042	—	pCi/L	Y	—	NQ	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.217	0.031	0.082	—	pCi/L	Y	—	NQ	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.295	0.031	0.036	—	pCi/L	Y	—	NQ	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0187	0.00962	0.0276	—	pCi/L	Y	U	U	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0057	0.04	—	pCi/L	Y	U	U	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0165	0.0064	0.023	—	pCi/L	Y	U	U	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00392	0.0088	0.063	—	pCi/L	Y	U	U	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0081	0.007	0.024	—	pCi/L	Y	U	U	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0756	0.0142	0.0258	—	pCi/L	Y	—	NQ	2013-60	CAPA-12-23820	GELC
R-57 S2	971.5	10/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0951	0.02	0.064	—	pCi/L	Y	—	NQ	12-157	CAPA-12-1218	GELC
R-57 S2	971.5	07/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.111	0.016	0.025	—	pCi/L	Y	—	NQ	11-2828	CAPA-11-23039	GELC
R-57 S2	971.5	05/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.12	0.021	0.043	—	pCi/L	Y	—	NQ	11-2368	CAPA-11-9518	GELC
R-57 S2	971.5	06/25/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.128	0.018	0.027	—	pCi/L	Y	—	NQ	10-3489	CAPA-10-22406	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.94	—	—	1	µg/L	Y	—	NQ	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.65	—	—	1	µg/L	Y	J	J	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.41	—	—	1	µg/L	Y	J	J	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.91	—	—	1	µg/L	Y	J	J	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.04	—	—	1	µg/L	Y	—	NQ	10-3489	CAPA-10-22405	GELC
R-57 S2	971.5	10/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.44	—	—	3.3	µg/L	Y	J	J	2013-60	CAPA-12-23847	GELC
R-57 S2	971.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.55	—	—	3.3	µg/L	Y	J	J	12-157	CAPA-12-1220	GELC
R-57 S2	971.5	07/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.21	—	—	3.3	µg/L	Y	J	J	11-2827	CAPA-11-23037	GELC
R-57 S2	971.5	05/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.31	—	—	3.3	µg/L	Y	J	J	11-2368	CAPA-11-9519	GELC
R-57 S2	971.5	06/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-3489	CAPA-10-22405	GELC

Appendix D

Groundwater Results Greater Than Half of Screening Levels

Zone	Location	Screen Top Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Prep Code	Analysis Type Code	Field Quality Control Code	Detect Flag	Report Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Intermediate	03-B-13	21.5	10/23/12	Metals	Aluminum	Al	F[a]	INIT[b]	REG[c]	Y[d]	3040	68	µg/L	1	—[e]	NQ[f]	NQ	Y	SW-846:6010B	GELC[g]	5000	NMWQCC GW STD[h]	0.61
Intermediate	03-B-13	21.5	10/23/12	Metals	Iron	Fe	F	INIT	REG	Y	1930	30	µg/L	1	—	NQ	NQ	Y	SW-846:6010B	GELC	1000	NMWQCC GW STD	1.93
Intermediate	03-B-13	21.5	10/23/12	SVOC[i]	Dioxane[1,4-]	123-91-1	UF[j]	DL[k]	REG	Y	441	31.3	µg/L	10	—	NQ	NQ	Y	SW-846:8270C	GELC	6.7	EPA TAP SCRN LVL[l]	65.82
Intermediate	03-B-13	21.5	10/23/12	VOC[m]	Dichloroethene[1,1-]	75-35-4	UF	INIT	REG	Y	3.96	0.3	µg/L	1	—	NQ	NQ	Y	SW-846:8260B	GELC	5	NMWQCC GW STD	0.79
Intermediate	03-B-13	21.5	10/23/12	VOC	Dichloroethene[1,1-]	75-35-4	UF	DL	REG	Y	2.65	1.5	µg/L	5	J[n]	J[o]	J_LAB[p]	N[q]	SW-846:8260B	GELC	5	NMWQCC GW STD	0.53
Intermediate	03-B-13	21.5	10/23/12	VOC	Trichloroethane[1,1,1-]	71-55-6	UF	DL	REG	Y	117	1.5	µg/L	5	—	NQ	NQ	Y	SW-846:8260B	GELC	60	NMWQCC GW STD	1.95
Intermediate	03-B-13	21.5	10/23/12	VOC	Trichloroethane[1,1,1-]	71-55-6	UF	INIT	REG	Y	183	0.3	µg/L	1	E[r]	R[s]	V7[t]	N	SW-846:8260B	GELC	60	NMWQCC GW STD	3.05
Intermediate	R-37 S1	929.3	10/23/12	SVOC	Dioxane[1,4-]	123-91-1	UF	INIT	REG	Y	3.52	3.19	µg/L	1	J	J	J_LAB	Y	SW-846:8270C	GELC	6.7	EPA TAP SCRN LVL	0.53

[a] F = Filtered.

[b] INIT = Initial.

[c] REG = Regular.

[d] Y = Yes.

[e] — = None.

[f] NQ = Not qualified.

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

[h] NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.

[i] SVOC = Semivolatile organic compound.

[j] UF = Unfiltered.

[k] DL = Dilution.

[l] EPA TAP SCRN LVL = U.S. Environmental Protection Agency regional screening level for tap water.

[m] VOC = Volatile organic compound.

[n] In this column, J = The associated numerical value is an estimated quantity.

[o] In this column, J = The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.

[p] J_LAB = The analytical laboratory qualified the detected result as estimated (J) because the result was less the practical quantitation limit but greater than the method detection limit.

[q] N = No.

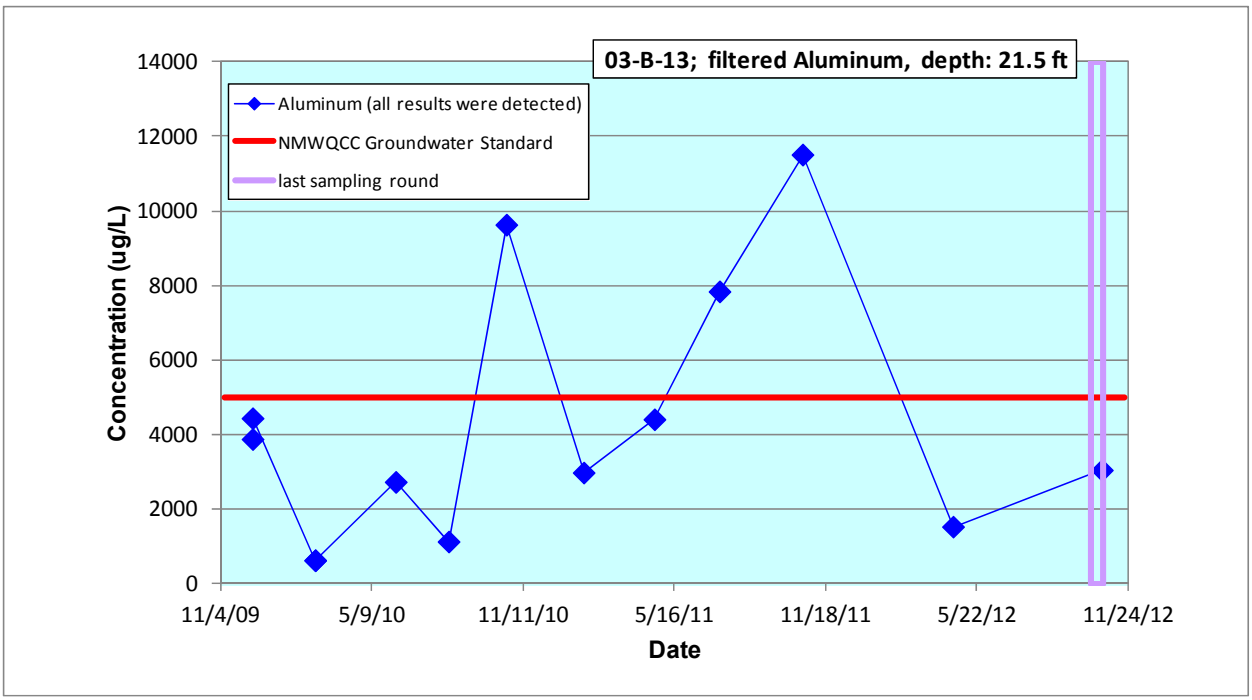
[r] E = (Organic) Analyte exceeded the concentration range. (Inorganic) The serial dilution was exceeded.

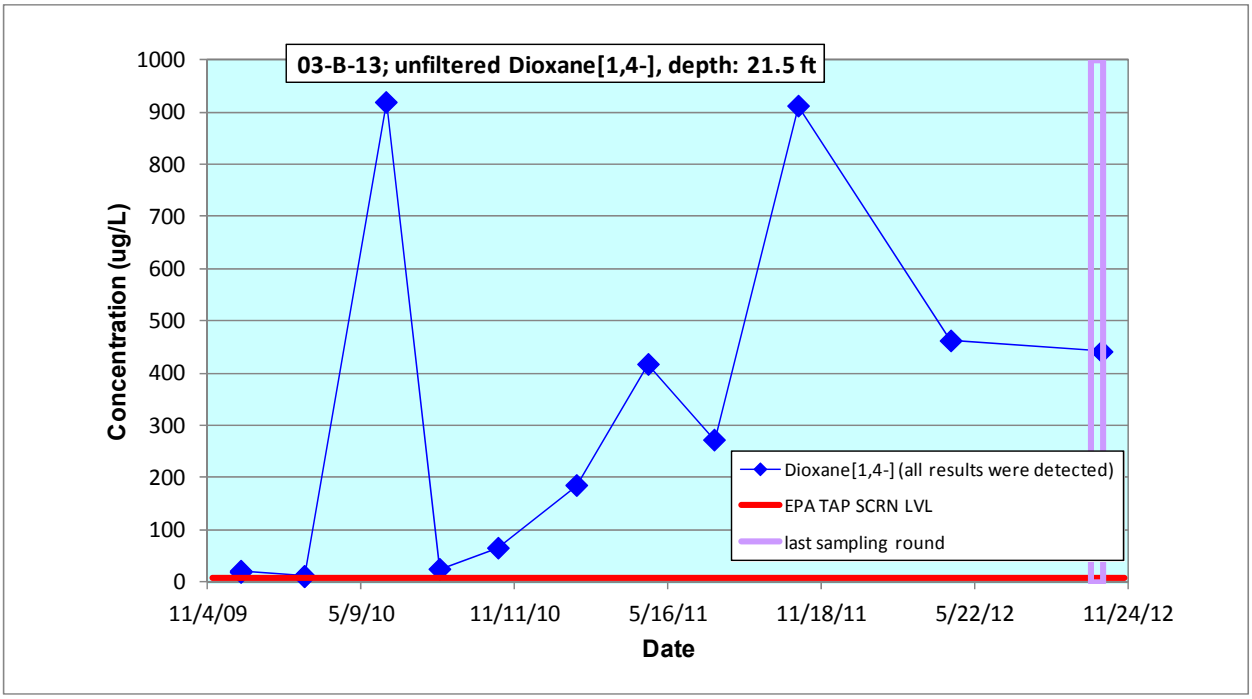
[s] R = The reported sample result is classified as rejected because of serious noncompliances regarding quality control acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.

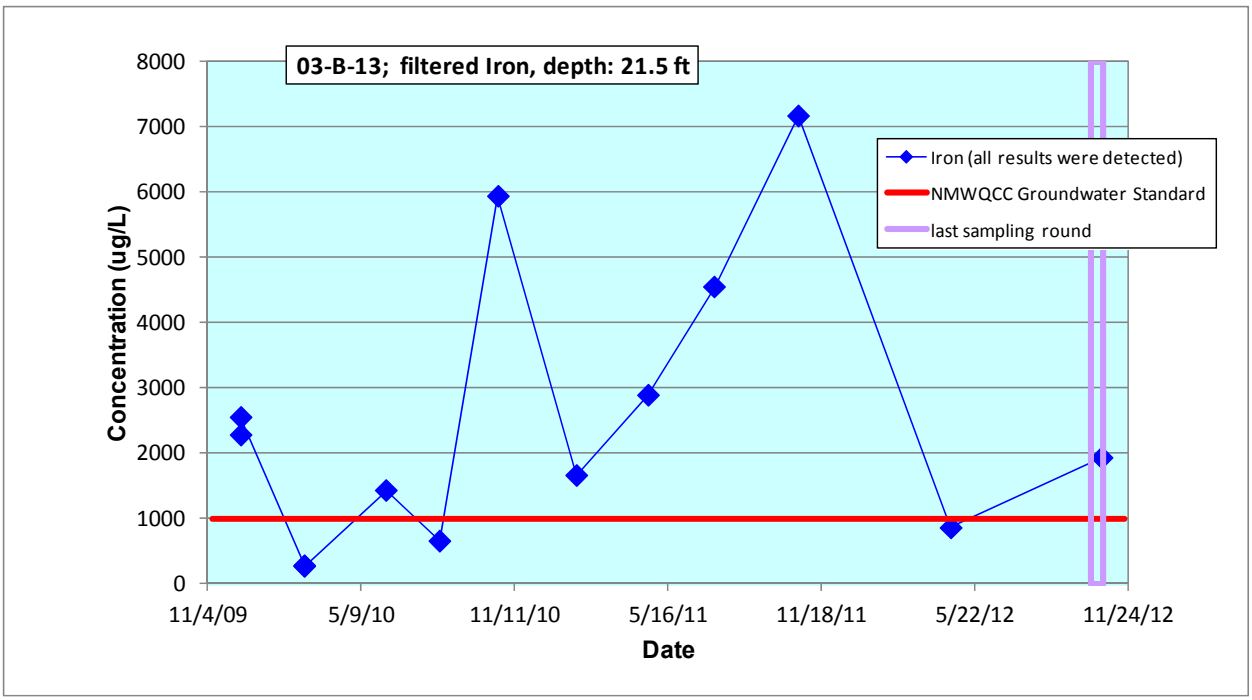
[t] V7 = The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit.

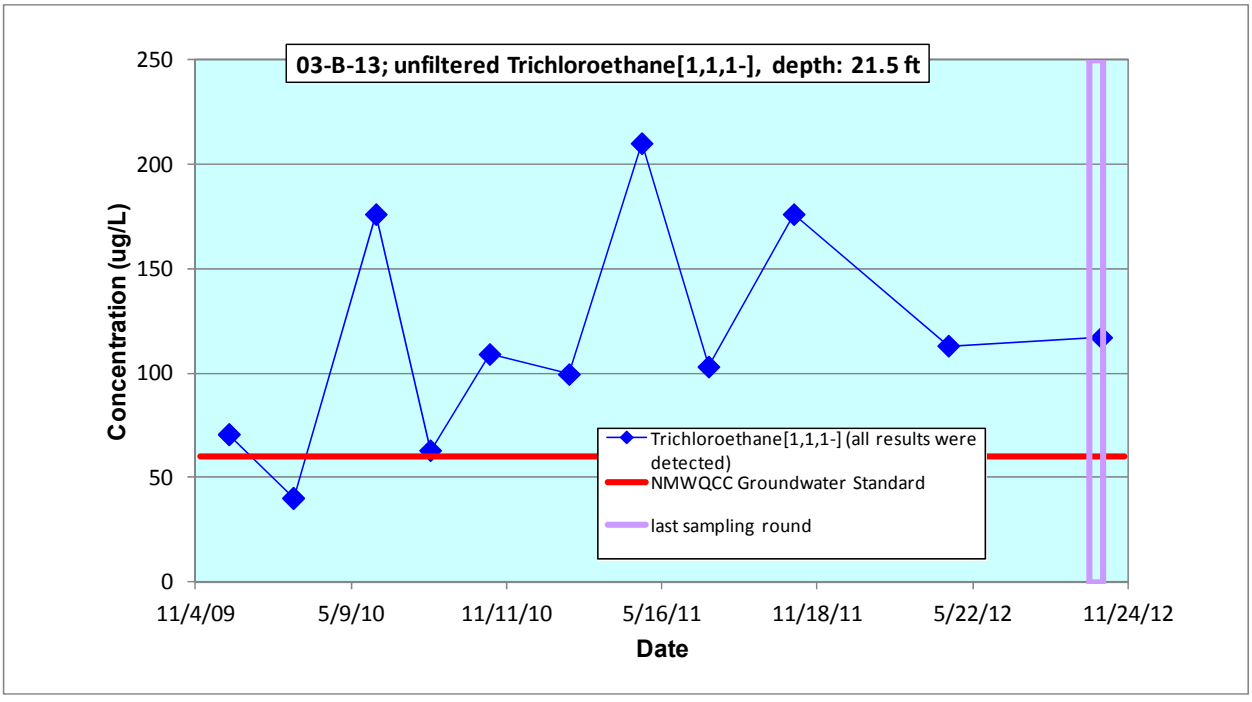
Appendix E

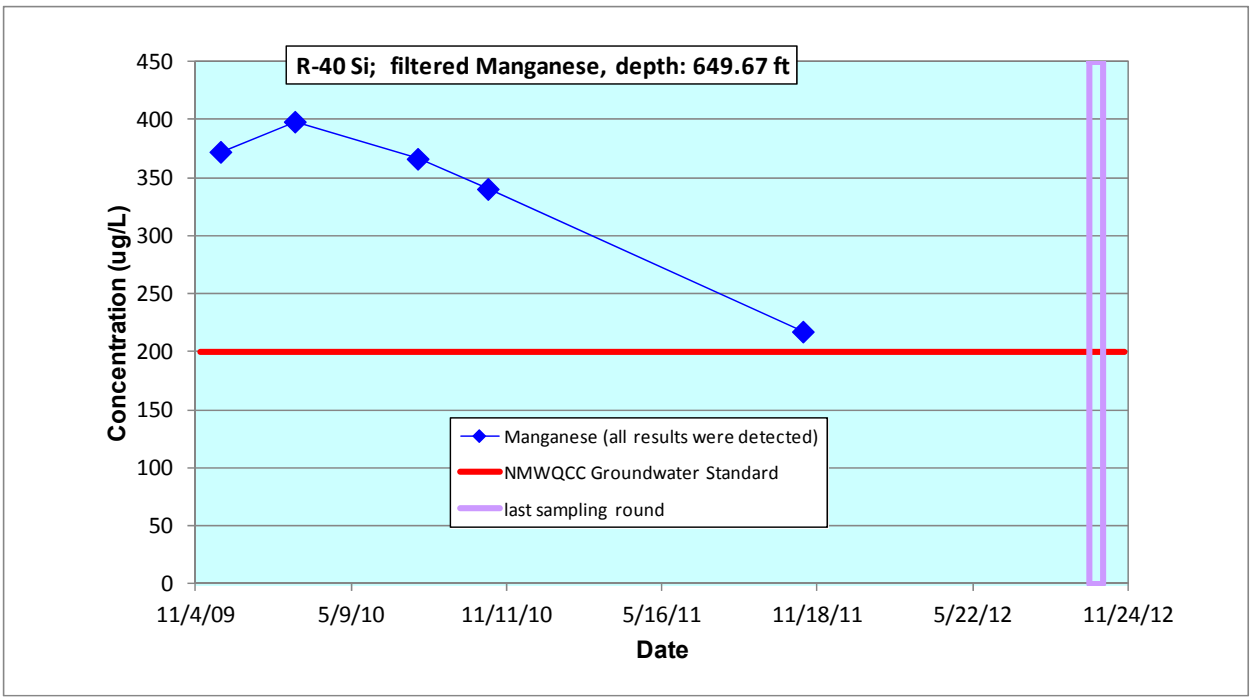
Analytical Chemistry Graphs of Screening-Level Exceedances

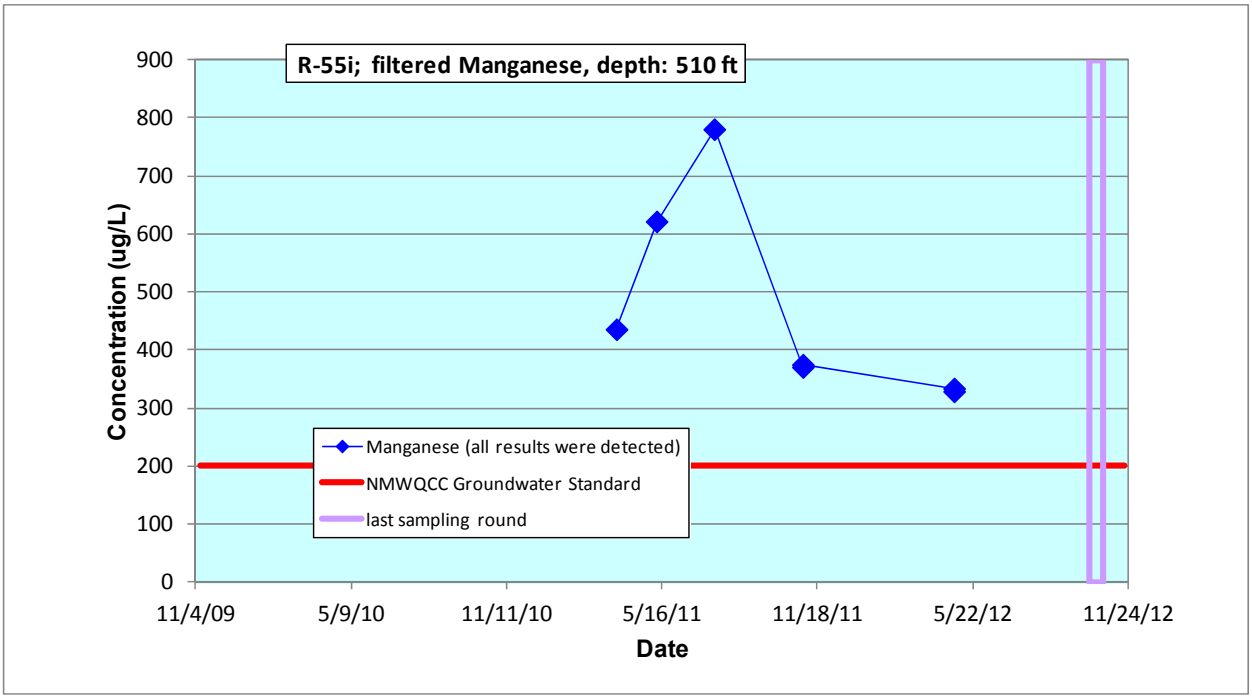

03-B-13; filtered Aluminum, depth: 21.5 ft
Aluminum (all results were detected)
NMWQCC Groundwater Standard
last sampling round
Concentration (ug/L)
14000
12000
10000
8000
6000
4000
2000
0
11/4/09
5/9/10
11/11/10
5/16/11
11/18/11
5/22/12
11/24/12
Date


03-B-13; unfiltered Dioxane[1,4-], depth: 21.5 ft
Dioxane[1,4-] (all results were detected)
EPA TAP SCRN LVL
last sampling round
Concentration (ug/L)
1000
900
800
700
600
500
400
300
200
100
0
11/4/09
5/9/10
11/11/10
5/16/11
11/18/11
5/22/12
11/24/12
Date


03-B-13; filtered Iron, depth: 21.5 ft
Concentration (ug/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
11/4/09
5/9/10
11/11/10
5/16/11
11/18/11
5/22/12
11/24/12
Date
Iron (all results were detected)
NMWQCC Groundwater Standard
last sampling round


03-B-13; unfiltered Trichloroethane[1,1,1-], depth: 21.5 ft
Concentration (ug/L)
250
200
150
100
50
0
11/4/09
5/9/10
11/11/10
5/16/11
11/18/11
5/22/12
11/24/12
Date
Trichloroethane[1,1,1-] (all results were detected)
NMWQCC Groundwater Standard
last sampling round


R-40 Si; filtered Manganese, depth: 649.67 ft
Concentration (ug/L)
450
400
350
300
250
200
150
100
50
0
11/4/09
5/9/10
11/11/10
5/16/11
11/18/11
5/22/12
11/24/12
Date
Manganese (all results were detected)
NMWQCC Groundwater Standard
last sampling round


R-55i; filtered Manganese, depth: 510 ft
Concentration (ug/L)
900
800
700
600
500
400
300
200
100
0
11/4/09
5/9/10
11/11/10
5/16/11
11/18/11
5/22/12
11/24/12
Date
Manganese (all results were detected)
NMWQCC Groundwater Standard
last sampling round

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2013-111	INORGANIC	GELC[a]	CAPA-12-23822	10/16/12	R-20 S1	904.6	912.2
2013-111	INORGANIC	GELC	CAPA-12-23795	10/16/12	R-20 S1	904.6	912.2
2013-111	ORGANIC	GELC	CAPA-12-23795	10/16/12	R-20 S1	904.6	912.2
2013-111	RAD[b]	GELC	CAPA-12-23795	10/16/12	R-20 S1	904.6	912.2
2013-117	RAD	ARSL[c]	CAMO-12-23858	10/15/12	R-21	888.8	906.8
2013-118	RAD	ARSL	CAPA-12-23795	10/16/12	R-20 S1	904.6	912.2
2013-118	RAD	ARSL	CAPA-12-23807	10/15/12	R-49 S1	845	855
2013-127	RAD	ARSL	CAPA-12-23796	10/17/12	R-20 S2	1147.1	1154.7
2013-127	RAD	ARSL	CAPA-12-23811	10/16/12	R-52 S1	1035.2	1055.7
2013-127	RAD	ARSL	CAPA-12-23812	10/16/12	R-52 S2	1107	1117
2013-131	RAD	ARSL	CAPA-12-23799	10/17/12	R-23i S2	470.2	480.1
2013-156	INORGANIC	GELC	CAPA-12-23826	10/17/12	R-23i S2	470.2	480.1
2013-156	INORGANIC	GELC	CAPA-12-23799	10/17/12	R-23i S2	470.2	480.1
2013-156	ORGANIC	GELC	CAPA-12-23799	10/17/12	R-23i S2	470.2	480.1
2013-156	RAD	GELC	CAPA-12-23799	10/17/12	R-23i S2	470.2	480.1
2013-157	INORGANIC	GELC	CAPA-12-23823	10/17/12	R-20 S2	1147.1	1154.7
2013-157	INORGANIC	GELC	CAPA-12-23838	10/16/12	R-52 S1	1035.2	1055.7
2013-157	INORGANIC	GELC	CAPA-12-23839	10/16/12	R-52 S2	1107	1117
2013-157	INORGANIC	GELC	CAPA-12-23796	10/17/12	R-20 S2	1147.1	1154.7
2013-157	INORGANIC	GELC	CAPA-12-23811	10/16/12	R-52 S1	1035.2	1055.7
2013-157	INORGANIC	GELC	CAPA-12-23812	10/16/12	R-52 S2	1107	1117
2013-157	ORGANIC	GELC	CAPA-12-23811	10/16/12	R-52 S1	1035.2	1055.7
2013-157	ORGANIC	GELC	CAPA-12-23796	10/17/12	R-20 S2	1147.1	1154.7
2013-157	ORGANIC	GELC	CAPA-12-23812	10/16/12	R-52 S2	1107	1117
2013-157	RAD	GELC	CAPA-12-23811	10/16/12	R-52 S1	1035.2	1055.7
2013-157	RAD	GELC	CAPA-12-23796	10/17/12	R-20 S2	1147.1	1154.7
2013-157	RAD	GELC	CAPA-12-23812	10/16/12	R-52 S2	1107	1117
2013-179	INORGANIC	GELC	CAPA-12-23764	10/18/12	R-56 S2	1046.6	1067.1
2013-179	INORGANIC	GELC	CAPA-12-23767	10/18/12	R-56 S2	1046.6	1067.1
2013-179	INORGANIC	GELC	CAPA-12-23818	10/18/12	R-56 S2	1046.6	1067.1
2013-179	INORGANIC	GELC	CAPA-12-23844	10/18/12	R-56 S1	945	965.6
2013-179	INORGANIC	GELC	CAPA-12-23845	10/18/12	R-56 S2	1046.6	1067.1
2013-179	INORGANIC	GELC	CAPA-12-23817	10/18/12	R-56 S1	945	965.6
2013-179	ORGANIC	GELC	CAPA-12-23764	10/18/12	R-56 S2	1046.6	1067.1
2013-179	ORGANIC	GELC	CAPA-12-23818	10/18/12	R-56 S2	1046.6	1067.1
2013-179	ORGANIC	GELC	CAPA-12-23817	10/18/12	R-56 S1	945	965.6
2013-179	RAD	GELC	CAPA-12-23764	10/18/12	R-56 S2	1046.6	1067.1

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2013-179	RAD	GELC	CAPA-12-23818	10/18/12	R-56 S2	1046.6	1067.1
2013-179	RAD	GELC	CAPA-12-23817	10/18/12	R-56 S1	945	965.6
2013-192	INORGANIC	GELC	CAPA-12-23801	10/19/12	R-32 S1	867.5	875.2
2013-192	INORGANIC	GELC	CAPA-12-23828	10/19/12	R-32 S1	867.5	875.2
2013-192	ORGANIC	GELC	CAPA-12-23801	10/19/12	R-32 S1	867.5	875.2
2013-192	RAD	GELC	CAPA-12-23801	10/19/12	R-32 S1	867.5	875.2
2013-204	INORGANIC	GELC	CAMO-12-23860	10/22/12	R-37 S2	1026	1046.6
2013-204	INORGANIC	GELC	CAMO-12-23867	10/22/12	R-37 S2	1026	1046.6
2013-204	ORGANIC	GELC	CAMO-12-23860	10/22/12	R-37 S2	1026	1046.6
2013-204	RAD	GELC	CAMO-12-23860	10/22/12	R-37 S2	1026	1046.6
2013-208	INORGANIC	GELC	CAPA-12-23794	10/23/12	03-B-13	21.5	31.5
2013-208	INORGANIC	GELC	CAPA-12-23821	10/23/12	03-B-13	21.5	31.5
2013-208	ORGANIC	GELC	CAPA-12-23794	10/23/12	03-B-13	21.5	31.5
2013-213	INORGANIC	GELC	CAMO-12-23866	10/23/12	R-37 S1	929.3	950
2013-213	INORGANIC	GELC	CAMO-12-23859	10/23/12	R-37 S1	929.3	950
2013-213	ORGANIC	GELC	CAMO-12-23859	10/23/12	R-37 S1	929.3	950
2013-213	RAD	GELC	CAMO-12-23859	10/23/12	R-37 S1	929.3	950
2013-217	RAD	ARSL	CAPA-12-23764	10/18/12	R-56 S2	1046.6	1067.1
2013-217	RAD	ARSL	CAPA-12-23805	10/22/12	R-40 Si	649.67	669.02
2013-217	RAD	ARSL	CAPA-12-23818	10/18/12	R-56 S2	1046.6	1067.1
2013-217	RAD	ARSL	CAPA-12-23801	10/19/12	R-32 S1	867.5	875.2
2013-217	RAD	ARSL	CAPA-12-23817	10/18/12	R-56 S1	945	965.6
2013-218	RAD	ARSL	CAMO-12-23860	10/22/12	R-37 S2	1026	1046.6
2013-218	RAD	ARSL	CAMO-12-23859	10/23/12	R-37 S1	929.3	950
2013-221	INORGANIC	GELC	CAMO-12-23869	10/24/12	R-55 S1	860	880.6
2013-221	INORGANIC	GELC	CAMO-12-23862	10/24/12	R-55 S1	860	880.6
2013-221	INORGANIC	GELC	CAMO-12-23870	10/24/12	R-55 S2	994.4	1015.4
2013-221	INORGANIC	GELC	CAMO-12-23863	10/24/12	R-55 S2	994.4	1015.4
2013-221	ORGANIC	GELC	CAMO-12-23862	10/24/12	R-55 S1	860	880.6
2013-221	ORGANIC	GELC	CAMO-12-23863	10/24/12	R-55 S2	994.4	1015.4
2013-221	RAD	GELC	CAMO-12-23862	10/24/12	R-55 S1	860	880.6
2013-221	RAD	GELC	CAMO-12-23863	10/24/12	R-55 S2	994.4	1015.4
2013-223	INORGANIC	GELC	CAPA-12-23843	10/24/12	R-54 S2	915	925
2013-223	INORGANIC	GELC	CAPA-12-23816	10/24/12	R-54 S2	915	925
2013-223	ORGANIC	GELC	CAPA-12-23816	10/24/12	R-54 S2	915	925
2013-223	RAD	GELC	CAPA-12-23816	10/24/12	R-54 S2	915	925
2013-234	INORGANIC	GELC	CAPA-12-23808	10/25/12	R-49 S2	905.6	926.4
2013-234	INORGANIC	GELC	CAPA-12-23835	10/25/12	R-49 S2	905.6	926.4

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2013-234	ORGANIC	GELC	CAPA-12-23808	10/25/12	R-49 S2	905.6	926.4
2013-234	RAD	GELC	CAPA-12-23808	10/25/12	R-49 S2	905.6	926.4
2013-252	RAD	ARSL	CAMO-12-23864	10/25/12	R-55i	510	531.1
2013-252	RAD	ARSL	CAMO-12-23862	10/24/12	R-55 S1	860	880.6
2013-252	RAD	ARSL	CAMO-12-23863	10/24/12	R-55 S2	994.4	1015.4
2013-253	RAD	ARSL	CAPA-12-23808	10/25/12	R-49 S2	905.6	926.4
2013-253	RAD	ARSL	CAPA-12-23815	10/24/12	R-54 S1	830	840
2013-253	RAD	ARSL	CAPA-12-23816	10/24/12	R-54 S2	915	925
2013-56	INORGANIC	GELC	CAPA-12-23765	10/09/12	R-23i S1	400.3	420
2013-56	INORGANIC	GELC	CAPA-12-23762	10/09/12	R-23i S1	400.3	420
2013-56	INORGANIC	GELC	CAPA-12-23825	10/09/12	R-23i S1	400.3	420
2013-56	INORGANIC	GELC	CAPA-12-23798	10/09/12	R-23i S1	400.3	420
2013-56	ORGANIC	GELC	CAPA-12-23762	10/09/12	R-23i S1	400.3	420
2013-56	ORGANIC	GELC	CAPA-12-23798	10/09/12	R-23i S1	400.3	420
2013-56	RAD	GELC	CAPA-12-23762	10/09/12	R-23i S1	400.3	420
2013-56	RAD	GELC	CAPA-12-23798	10/09/12	R-23i S1	400.3	420
2013-57	INORGANIC	GELC	CAMO-12-23849	10/09/12	R-38	821.2	831.2
2013-57	INORGANIC	GELC	CAMO-12-23868	10/09/12	R-38	821.2	831.2
2013-57	INORGANIC	GELC	CAMO-12-23861	10/09/12	R-38	821.2	831.2
2013-57	INORGANIC	GELC	CAMO-12-23850	10/09/12	R-38	821.2	831.2
2013-57	ORGANIC	GELC	CAMO-12-23849	10/09/12	R-38	821.2	831.2
2013-57	ORGANIC	GELC	CAMO-12-23861	10/09/12	R-38	821.2	831.2
2013-57	RAD	GELC	CAMO-12-23849	10/09/12	R-38	821.2	831.2
2013-57	RAD	GELC	CAMO-12-23861	10/09/12	R-38	821.2	831.2
2013-58	RAD	ARSL	CAMO-12-23849	10/09/12	R-38	821.2	831.2
2013-58	RAD	ARSL	CAMO-12-23861	10/09/12	R-38	821.2	831.2
2013-60	INORGANIC	GELC	CAPA-12-23810	10/10/12	R-51 S2	1031	1041
2013-60	INORGANIC	GELC	CAPA-12-23837	10/10/12	R-51 S2	1031	1041
2013-60	INORGANIC	GELC	CAPA-12-23809	10/10/12	R-51 S1	914.96	925.24
2013-60	INORGANIC	GELC	CAPA-12-23819	10/10/12	R-57 S1	910	930.5
2013-60	INORGANIC	GELC	CAPA-12-23846	10/10/12	R-57 S1	910	930.5
2013-60	INORGANIC	GELC	CAPA-12-23847	10/10/12	R-57 S2	971.5	992.1
2013-60	INORGANIC	GELC	CAPA-12-23820	10/10/12	R-57 S2	971.5	992.1
2013-60	INORGANIC	GELC	CAPA-12-23836	10/10/12	R-51 S1	914.96	925.24
2013-60	ORGANIC	GELC	CAPA-12-23810	10/10/12	R-51 S2	1031	1041
2013-60	ORGANIC	GELC	CAPA-12-23809	10/10/12	R-51 S1	914.96	925.24
2013-60	ORGANIC	GELC	CAPA-12-23819	10/10/12	R-57 S1	910	930.5
2013-60	ORGANIC	GELC	CAPA-12-23820	10/10/12	R-57 S2	971.5	992.1

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2013-60	RAD	GELC	CAPA-12-23810	10/10/12	R-51 S2	1031	1041
2013-60	RAD	GELC	CAPA-12-23809	10/10/12	R-51 S1	914.96	925.24
2013-60	RAD	GELC	CAPA-12-23819	10/10/12	R-57 S1	910	930.5
2013-60	RAD	GELC	CAPA-12-23820	10/10/12	R-57 S2	971.5	992.1
2013-61	RAD	ARSL	CAPA-12-23810	10/10/12	R-51 S2	1031	1041
2013-61	RAD	ARSL	CAPA-12-23809	10/10/12	R-51 S1	914.96	925.24
2013-61	RAD	ARSL	CAPA-12-23819	10/10/12	R-57 S1	910	930.5
2013-61	RAD	ARSL	CAPA-12-23820	10/10/12	R-57 S2	971.5	992.1
2013-65	INORGANIC	GELC	CAPA-12-23766	10/11/12	R-39	859	869
2013-65	INORGANIC	GELC	CAPA-12-23763	10/11/12	R-39	859	869
2013-65	INORGANIC	GELC	CAPA-12-23829	10/11/12	R-39	859	869
2013-65	INORGANIC	GELC	CAPA-12-23802	10/11/12	R-39	859	869
2013-65	ORGANIC	GELC	CAPA-12-23763	10/11/12	R-39	859	869
2013-65	ORGANIC	GELC	CAPA-12-23802	10/11/12	R-39	859	869
2013-65	RAD	GELC	CAPA-12-23763	10/11/12	R-39	859	869
2013-65	RAD	GELC	CAPA-12-23802	10/11/12	R-39	859	869
2013-66	INORGANIC	GELC	CAPA-12-23814	10/11/12	R-53 S2	959.7	980.2
2013-66	INORGANIC	GELC	CAPA-12-23840	10/11/12	R-53 S1	849.2	859.2
2013-66	INORGANIC	GELC	CAPA-12-23841	10/11/12	R-53 S2	959.7	980.2
2013-66	INORGANIC	GELC	CAPA-12-23806	10/11/12	R-41 S2	965.3	975
2013-66	INORGANIC	GELC	CAPA-12-23833	10/11/12	R-41 S2	965.3	975
2013-66	INORGANIC	GELC	CAPA-12-23813	10/11/12	R-53 S1	849.2	859.2
2013-66	ORGANIC	GELC	CAPA-12-23814	10/11/12	R-53 S2	959.7	980.2
2013-66	ORGANIC	GELC	CAPA-12-23806	10/11/12	R-41 S2	965.3	975
2013-66	ORGANIC	GELC	CAPA-12-23813	10/11/12	R-53 S1	849.2	859.2
2013-66	RAD	GELC	CAPA-12-23814	10/11/12	R-53 S2	959.7	980.2
2013-66	RAD	GELC	CAPA-12-23806	10/11/12	R-41 S2	965.3	975
2013-66	RAD	GELC	CAPA-12-23813	10/11/12	R-53 S1	849.2	859.2
2013-70	INORGANIC	GELC	CAPA-12-23797	10/12/12	R-23	816	873.2
2013-70	INORGANIC	GELC	CAPA-12-23800	10/10/12	R-23i S3	524	547
2013-70	INORGANIC	GELC	CAPA-12-23824	10/12/12	R-23	816	873.2
2013-70	INORGANIC	GELC	CAPA-12-23804	10/12/12	R-40 S2	849.27	870
2013-70	INORGANIC	GELC	CAPA-12-23827	10/10/12	R-23i S3	524	547
2013-70	INORGANIC	GELC	CAPA-12-23831	10/12/12	R-40 S2	849.27	870
2013-70	ORGANIC	GELC	CAPA-12-23797	10/12/12	R-23	816	873.2
2013-70	ORGANIC	GELC	CAPA-12-23800	10/10/12	R-23i S3	524	547
2013-70	ORGANIC	GELC	CAPA-12-23804	10/12/12	R-40 S2	849.27	870
2013-70	ORGANIC	GELC	CAPA-12-23803	10/12/12	R-40 S1	751.59	785.06

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2013-70	RAD	GELC	CAPA-12-23797	10/12/12	R-23	816	873.2
2013-70	RAD	GELC	CAPA-12-23800	10/10/12	R-23i S3	524	547
2013-70	RAD	GELC	CAPA-12-23804	10/12/12	R-40 S2	849.27	870
2013-73	ORGANIC	GELC	CAPA-13-24285	10/12/12	R-40 S1	751.59	785.06
2013-74	RAD	ARSL	CAPA-12-23797	10/12/12	R-23	816	873.2
2013-74	RAD	ARSL	CAPA-12-23800	10/10/12	R-23i S3	524	547
2013-74	RAD	ARSL	CAPA-12-23814	10/11/12	R-53 S2	959.7	980.2
2013-74	RAD	ARSL	CAPA-12-23804	10/12/12	R-40 S2	849.27	870
2013-74	RAD	ARSL	CAPA-12-23763	10/11/12	R-39	859	869
2013-74	RAD	ARSL	CAPA-12-23806	10/11/12	R-41 S2	965.3	975
2013-74	RAD	ARSL	CAPA-12-23802	10/11/12	R-39	859	869
2013-74	RAD	ARSL	CAPA-12-23803	10/12/12	R-40 S1	751.59	785.06
2013-74	RAD	ARSL	CAPA-12-23813	10/11/12	R-53 S1	849.2	859.2
2013-87	INORGANIC	GELC	CAPA-12-23807	10/15/12	R-49 S1	845	855
2013-87	INORGANIC	GELC	CAPA-12-23834	10/15/12	R-49 S1	845	855
2013-87	ORGANIC	GELC	CAPA-12-23807	10/15/12	R-49 S1	845	855
2013-87	RAD	GELC	CAPA-12-23807	10/15/12	R-49 S1	845	855
2013-88	INORGANIC	GELC	CAMO-12-23865	10/15/12	R-21	888.8	906.8
2013-88	INORGANIC	GELC	CAMO-12-23858	10/15/12	R-21	888.8	906.8
2013-88	ORGANIC	GELC	CAMO-12-23858	10/15/12	R-21	888.8	906.8
2013-88	RAD	GELC	CAMO-12-23858	10/15/12	R-21	888.8	906.8

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

[b] RAD = Radiochemistry (not gamma).

[c] ARSL = American Radiation Services, Inc.