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**Periodic Monitoring Report
for Technical Area 54
Monitoring Group,
April 23–May 10, 2012**

Prepared by the Environmental Programs Directorate

Los Alamos National Laboratory, operated by Los Alamos National Security, LLC, for the U.S. Department of Energy under Contract No. DE-AC52-06NA25396, has prepared this document pursuant to the Compliance Order on Consent, signed March 1, 2005. The Compliance Order on Consent contains requirements for the investigation and cleanup, including corrective action, of contamination at Los Alamos National Laboratory. The U.S. government has rights to use, reproduce, and distribute this document. The public may copy and use this document without charge, provided that this notice and any statement of authorship are reproduced on all copies.

Periodic Monitoring Report for Technical Area 54 Monitoring Group, April 23–May 10, 2012

November 2012

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EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the fiscal year 2012, third 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 2011 Interim Facility-Wide Groundwater Monitoring Plan, Revision 1, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from April 23 to May 10, 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; 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. One result from groundwater samples collected during this PME from the TA-54 monitoring group was above applicable screening levels.

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Acronyms and Abbreviations

AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations (U.S.)
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
Y	yes (best value flag code)

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of fiscal year 2012, third 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 2011 Interim Facility-Wide Groundwater Monitoring Plan (IFGMP), Revision 1 (LANL 2011, 208811), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from April 23 to May 10, 2012, and included sampling of groundwater wells and well screens. No results from samples collected during previous PMEs that were unreported in their respective PMRs are included in this report.

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

This report presents the following information:

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

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

1.1 Background

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 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 2011 IFGMP, Revision 1 (LANL 2011, 208811).

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

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the PME are documented in the 2011 IFGMP, Revision 1 (LANL 2011, 208811).

3.2 Field Parameter Results

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

3.3 Groundwater Elevations and Base-Flow Observations

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

3.4 Deviations from Planned Scope

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

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PME are documented in the 2011 IFGMP, Revision 1 (LANL 2011, 208811). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737), and ENV-RCRA-QP-010.2, Land Application of Groundwater. ENV-RCRA-QP-010.2 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling 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://epr.lanl.gov/oppie/service>. Completed chain-of-custody forms serve as analytical request forms and include the requester or owner, sample number, program code, date and time of sample collection, total number of bottles, list of analytes to be measured, bottle sizes, and preservatives for each required analysis.

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

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

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

Data validation determines the quality of an analytical data set. Data validation focuses on specific quality assurance samples, such as matrix spikes, duplicates, surrogates, method blanks, 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 are 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 filtered manganese result at intermediate well R-55i of 328 µg/L was above the 200-µg/L NMWQCC groundwater standard screening level (applicable to domestic water supply). A field duplicate result was 333 µg/L. Previous manganese concentrations were between 370 µg/L and 780 µg/L; the result from this PME is the lowest.

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. One result from groundwater samples collected during this PME was 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 number. This information is also included in text citations. ER ID numbers are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.

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

- LANL (Los Alamos National Laboratory), September 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)
- LANL (Los Alamos National Laboratory), September 2011. "Corrective Measures Evaluation Report for Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54, Revision 2," Los Alamos National Laboratory document LA-UR-11-4798, Los Alamos, New Mexico. (LANL 2011, 205756)
- 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), December 2011. "2011 Interim Facility-Wide Groundwater Monitoring Plan, Revision 1," Los Alamos National Laboratory document LA-UR-11-6958, Los Alamos, New Mexico. (LANL 2011, 208811)

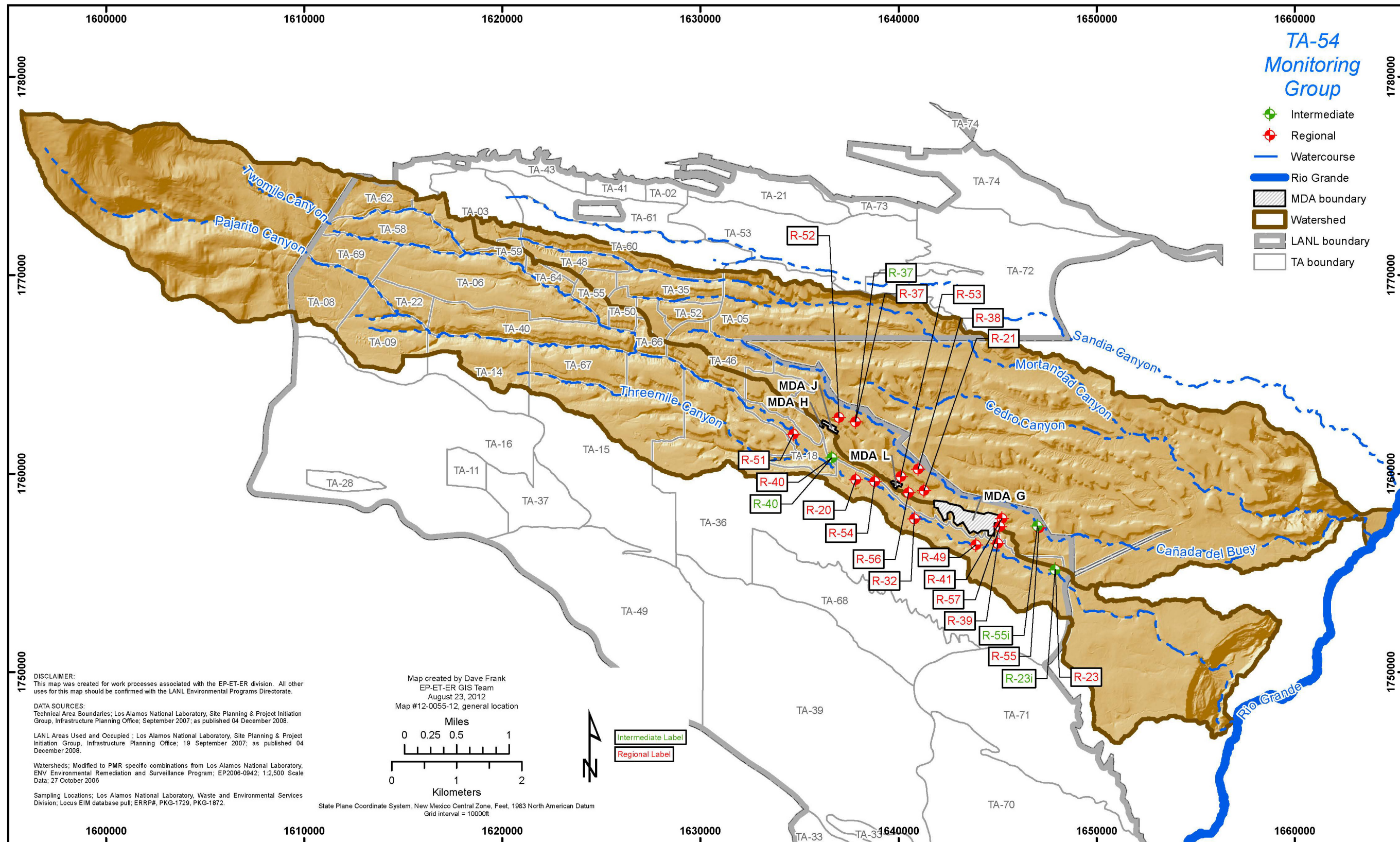


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Table 3.4-1).

**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							
R-23i S1	05/10/12	19.7	400.3	420	3.33	15	1.25
R-23i S2	05/01/12	9.9	470.2	480.1	37.7	120	1.1
R-23i S3	04/30/12	23	524	547	42.5	127	1.5
R-37 S1	04/25/12	20.7	929.3	950	52.1	160	0.66
R-40 Si	05/07/12	19.35	649.67	669.02	12.6	38	0.40
R-40 S1	04/26/12	33.47	751.59	785.06	28.7	13	0.30
R-55i	04/30/12	21.1	510	531.1	44.2	530	2.4
Regional							
R-20 S1	05/03/12	7.6	904.6	912.2	75.7	230	0.63
R-20 S2	05/01/12	7.6	1147.1	1154.7	41.1	130	1.43
R-21	05/02/12	18	888.8	906.8	204	614	3.2
R-23	04/30/12	57.2	816	873.2	45.5	260	10
R-32 S1	04/25/12	7.7	867.5	875.2	88.7	266	2
R-37 S2	04/27/12	20.6	1026	1046.6	53.8	163	8.6
R-38	04/24/12	10	821.2	831.2	42.8	130	2.73
R-39	04/25/12	10	859	869	48.6	157	3.15
R-40 S2	05/01/12	20.73	849.27	870	40.6	118	2.0
R-41 S2	04/24/12	9.7	965.3	975	36.878	110.2	2.9
R-49 S1	04/26/12	10	845	855	79.3	238	1.94
R-49 S2	05/01/12	20.8	905.6	926.4	58.1	175	2.36
R-51 S1	04/23/12	10.28	914.96	925.24	61.9	188	3.75
R-51 S2	04/23/12	10.04	1031	1041	91.1	273	3.75
R-52 S1	04/27/12	20.5	1035.2	1055.7	64.7	198	3.3
R-52 S2	04/27/12	10	1107	1117	43	130	3.26
R-53 S1	04/24/12	10	849.2	859.2	76.6	234	3.89
R-53 S2	04/24/12	20.5	959.7	980.2	93.6	281	3.75
R-54 S1	05/04/12	10	830	840	55	165	3.0
R-54 S2	05/04/12	10	915	925	61.2	186	3.0
R-55 S1	04/26/12	20.6	860	880.6	112	338	2.88
R-55 S2	04/26/12	21	994.4	1015.4	72.4	219	2.86
R-56 S1	04/25/12	20.6	945	965.6	85.5	264	4
R-56 S2	04/25/12	20.5	1046.6	1067.1	68.8	212	4
R-57 S1	04/23/12	20.5	910	930.5	71	234	3.6
R-57 S2	04/23/12	20.6	971.5	992.1	51	187	3.4

*gpm = Gallons per minute.

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

Location	Deviation	Cause	Comment
n/a*	n/a	n/a	No deviations for this PME

*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	MCPD ^d	11	53	37	µg/L	EPA Regional Tap
Metals						
Be	Beryllium	1	5	4	µg/L	EPA MCL
Semivolatile Organic Compounds						
1912-24-9	Atrazine	3	10	3	µg/L	EPA MCL
103-33-3	Azobenzene	2	10	1.3	µg/L	EPA Regional Tap
92-87-5	Benzidine	3	10	0.00094	µg/L	EPA Regional Tap
56-55-3	Benzo(a)anthracene	0.2	1	0.29	µg/L	EPA Regional Tap
50-32-8	Benzo(a)pyrene	0.2	1	0.2	µg/L	EPA MCL
205-99-2	Benzo(b)fluoranthene	0.2	1	0.29	µg/L	EPA Regional Tap
111-44-4	Bis(2-chloroethyl)ether	2	10	0.12	µg/L	EPA Regional Tap
117-81-7	Bis(2-ethylhexyl)phthalate	2	10	6	µg/L	EPA MCL
106-47-8	Chloroaniline[4-]	2	10	3.4	µg/L	EPA Regional Tap
53-70-3	Dibenz(a,h)anthracene	0.2	1	0.029	µg/L	EPA Regional Tap
91-94-1	Dichlorobenzidine[3,3'-]	2	10	1.5	µg/L	EPA Regional Tap
534-52-1	Dinitro-2-methylphenol[4,6-]	3	10	2.9	µg/L	EPA Regional Tap
123-91-1	Dioxane[1,4-]	2	10	6.7	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	2	10	1	µg/L	EPA MCL
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	1	0.29	µg/L	EPA Regional Tap
55-18-5	Nitrosodiethylamine[N-]	2	10	0.0014	µg/L	EPA Regional Tap
62-75-9	Nitrosodimethylamine[N-]	2	10	0.0042	µg/L	EPA Regional Tap
924-16-3	Nitroso-di-n-butylamine[N-]	3	10	0.024	µg/L	EPA Regional Tap
621-64-7	Nitroso-di-n-propylamine[N-]	2	10	0.096	µg/L	EPA Regional Tap
930-55-2	Nitrosopyrrolidine[N-]	2	10	0.32	µg/L	EPA Regional Tap
108-60-1	Oxybis(1-chloropropane) [2,2'-]	2	10	3.2	µg/L	EPA Regional Tap
87-86-5	Pentachlorophenol	2	10	1	µg/L	EPA MCL
108-95-2	Phenol	1	10	5	µg/L	NMWQCC Groundwater Standard
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

Table 3.4-2 (continued)

Analyte or CAS ^a No.	Analyte Name	MDL ^b	PQL	Screening Level	Unit	Screening-Level Type
Volatile Organic Compounds						
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							
R-55i	04/30/12	Manganese	F*	333	µg/L	200	NMWQCC Groundwater Standard

*F = Filtered.

Appendix A

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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-20 S1	904.6	05/03/12	WG ^a	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	01/26/11	WG	Dissolved Oxygen	2.14	mg/L	CAPA-11-3472
R-20 S1	904.6	01/26/11	WG	Dissolved Oxygen	0.97	mg/L	CAPA-11-3479
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	01/26/11	WG	Oxidation-Reduction Potential	57.6	mV	CAPA-11-3472
R-20 S1	904.6	01/26/11	WG	Oxidation-Reduction Potential	61.8	mV	CAPA-11-3479
R-20 S1	904.6	05/03/12	WG	pH	8.33	SU ^b	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	01/26/11	WG	pH	8.48	SU	CAPA-11-3472
R-20 S1	904.6	01/26/11	WG	pH	8.49	SU	CAPA-11-3479
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	01/26/11	WG	Specific Conductance	146	μS/cm	CAPA-11-3472
R-20 S1	904.6	01/26/11	WG	Specific Conductance	141	μS/cm	CAPA-11-3479

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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
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	01/26/11	WG	Temperature	17.06	deg C	CAPA-11-3472
R-20 S1	904.6	01/26/11	WG	Temperature	17.47	deg C	CAPA-11-3479
R-20 S1	904.6	05/03/12	WG	Turbidity	5.74	NTU ^c	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 S1	904.6	01/26/11	WG	Turbidity	0.56	NTU	CAPA-11-3472
R-20 S1	904.6	01/26/11	WG	Turbidity	0.67	NTU	CAPA-11-3479
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	01/21/11	WG	Dissolved Oxygen	2.99	mg/L	CAPA-11-3010
R-20 S2	1147.1	01/21/11	WG	Dissolved Oxygen	2.96	mg/L	CAPA-11-3489
R-20 S2	1147.1	01/21/11	WG	Dissolved Oxygen	2.72	mg/L	CAPA-11-3483
R-20 S2	1147.1	01/21/11	WG	Dissolved Oxygen	2.44	mg/L	CAPA-11-3476
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-20 S2	1147.1	01/21/11	WG	Oxidation-Reduction Potential	231.2	mV	CAPA-11-3010
R-20 S2	1147.1	01/21/11	WG	Oxidation-Reduction Potential	239.2	mV	CAPA-11-3489
R-20 S2	1147.1	01/21/11	WG	Oxidation-Reduction Potential	220	mV	CAPA-11-3483
R-20 S2	1147.1	01/21/11	WG	Oxidation-Reduction Potential	193.2	mV	CAPA-11-3476
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	01/21/11	WG	pH	7.86	SU	CAPA-11-3010
R-20 S2	1147.1	01/21/11	WG	pH	7.85	SU	CAPA-11-3489
R-20 S2	1147.1	01/21/11	WG	pH	7.9	SU	CAPA-11-3483
R-20 S2	1147.1	01/21/11	WG	pH	7.95	SU	CAPA-11-3476
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
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	01/21/11	WG	Specific Conductance	128	μS/cm	CAPA-11-3010
R-20 S2	1147.1	01/21/11	WG	Specific Conductance	129	μS/cm	CAPA-11-3489
R-20 S2	1147.1	01/21/11	WG	Specific Conductance	132	μS/cm	CAPA-11-3483
R-20 S2	1147.1	01/21/11	WG	Specific Conductance	138	μS/cm	CAPA-11-3476
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	01/21/11	WG	Temperature	20.48	deg C	CAPA-11-3010

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-20 S2	1147.1	01/21/11	WG	Temperature	19.24	deg C	CAPA-11-3489
R-20 S2	1147.1	01/21/11	WG	Temperature	19.62	deg C	CAPA-11-3483
R-20 S2	1147.1	01/21/11	WG	Temperature	19.32	deg C	CAPA-11-3476
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-20 S2	1147.1	01/21/11	WG	Turbidity	0.35	NTU	CAPA-11-3010
R-20 S2	1147.1	01/21/11	WG	Turbidity	0.37	NTU	CAPA-11-3489
R-20 S2	1147.1	01/21/11	WG	Turbidity	0.5	NTU	CAPA-11-3483
R-20 S2	1147.1	01/21/11	WG	Turbidity	1.1	NTU	CAPA-11-3476
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	01/27/11	WG	Dissolved Oxygen	5.25	mg/L	CAPA-11-3013
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	01/27/11	WG	Oxidation-Reduction Potential	74.1	mV	CAPA-11-3013
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
R-21	888.8	04/19/11	WG	pH	8.03	SU	CAPA-11-9316
R-21	888.8	01/27/11	WG	pH	7.91	SU	CAPA-11-3013
R-21	888.8	05/02/12	WG	Specific Conductance	129	µS/cm	CAPA-12-13259

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	01/27/11	WG	Specific Conductance	124	μS/cm	CAPA-11-3013
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	01/27/11	WG	Temperature	21.05	deg C	CAPA-11-3013
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-21	888.8	01/27/11	WG	Turbidity	0.2	NTU	CAPA-11-3013
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	01/24/11	WG	Dissolved Oxygen	5.57	mg/L	CAPA-11-2976
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	01/24/11	WG	Oxidation-Reduction Potential	207.4	mV	CAPA-11-2976
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
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-23	816	01/24/11	WG	pH	7.69	SU	CAPA-11-2976
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	01/24/11	WG	Specific Conductance	166	µS/cm	CAPA-11-2976
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	01/24/11	WG	Temperature	18.74	deg C	CAPA-11-2976
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-23	816	01/24/11	WG	Turbidity	0.53	NTU	CAPA-11-2976
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	01/14/11	WG	Dissolved Oxygen	5.41	mg/L	CAPA-11-2958
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	01/14/11	WG	Oxidation-Reduction Potential	250	mV	CAPA-11-2958
R-23i S1	400.3	05/10/12	WG	pH	7.71	SU	CAPA-12-13228
R-23i S1	400.3	11/04/11	WG	pH	7.58	SU	CAPA-12-1113

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	01/14/11	WG	pH	7.62	SU	CAPA-11-2958
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	01/14/11	WG	Specific Conductance	277	µS/cm	CAPA-11-2958
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	01/14/11	WG	Temperature	14.15	deg C	CAPA-11-2958
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 S1	400.3	01/14/11	WG	Turbidity	2.92	NTU	CAPA-11-2958
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	01/18/11	WG	Dissolved Oxygen	5.06	mg/L	CAPA-11-2962
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	Units	Sample
R-23i S2	470.2	01/18/11	WG	Oxidation-Reduction Potential	349.8	mV	CAPA-11-2962
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	01/18/11	WG	pH	8.02	SU	CAPA-11-2962
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	01/18/11	WG	Specific Conductance	206	µS/cm	CAPA-11-2962
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	01/18/11	WG	Temperature	15.48	deg C	CAPA-11-2962
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 S2	470.2	01/18/11	WG	Turbidity	0.32	NTU	CAPA-11-2962
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-23i S3	524	01/24/11	WG	Dissolved Oxygen	5.41	mg/L	CAPA-11-2965
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	01/24/11	WG	Oxidation-Reduction Potential	128.2	mV	CAPA-11-2965
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	01/24/11	WG	pH	8.03	SU	CAPA-11-2965
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	01/24/11	WG	Specific Conductance	203	μS/cm	CAPA-11-2965
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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
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	01/24/11	WG	Temperature	16.86	deg C	CAPA-11-2965
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-23i S3	524	01/24/11	WG	Turbidity	1.43	NTU	CAPA-11-2965
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	01/25/11	WG	Dissolved Oxygen	4.38	mg/L	CAPA-11-3016
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-32 S1	867.5	01/25/11	WG	Oxidation-Reduction Potential	392.1	mV	CAPA-11-3016
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
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	01/25/11	WG	pH	6.87	SU	CAPA-11-3016
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	01/25/11	WG	Specific Conductance	168	µS/cm	CAPA-11-3016
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	01/25/11	WG	Temperature	17.62	deg C	CAPA-11-3016
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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
R-32 S1	867.5	01/25/11	WG	Turbidity	0.78	NTU	CAPA-11-3016
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	01/21/11	WG	Dissolved Oxygen	1.46	mg/L	CAPA-11-2990
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	01/21/11	WG	Oxidation-Reduction Potential	48.5	mV	CAPA-11-2990
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	01/21/11	WG	pH	8.4	SU	CAPA-11-2990
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	01/21/11	WG	Specific Conductance	233	µS/cm	CAPA-11-2990
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-37 S1	929.3	05/03/11	WG	Temperature	17.74	deg C	CAPA-11-9298
R-37 S1	929.3	01/21/11	WG	Temperature	17.23	deg C	CAPA-11-2990
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
R-37 S1	929.3	05/03/11	WG	Turbidity	0.45	NTU	CAPA-11-9298
R-37 S1	929.3	01/21/11	WG	Turbidity	0.77	NTU	CAPA-11-2990
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	01/25/11	WG	Dissolved Oxygen	8.34	mg/L	CAPA-11-3019
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	01/25/11	WG	Oxidation-Reduction Potential	391.7	mV	CAPA-11-3019
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	01/25/11	WG	pH	7.87	SU	CAPA-11-3019
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	01/25/11	WG	Specific Conductance	135	μS/cm	CAPA-11-3019
R-37 S2	1026	04/27/12	WG	Temperature	20.54	deg C	CAPA-12-13261

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	01/25/11	WG	Temperature	21.94	deg C	CAPA-11-3019
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
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-37 S2	1026	01/25/11	WG	Turbidity	0.83	NTU	CAPA-11-3019
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	01/27/11	WG	Dissolved Oxygen	6	mg/L	CAPA-11-3020
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	01/27/11	WG	Oxidation-Reduction Potential	58.8	mV	CAPA-11-3020
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	01/27/11	WG	pH	7.35	SU	CAPA-11-3020
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-38	821.2	01/27/11	WG	Specific Conductance	132	μS/cm	CAPA-11-3020
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	01/27/11	WG	Temperature	17.88	deg C	CAPA-11-3020
R-38	821.2	04/24/12	WG	Turbidity	0.68	NTU	CAPA-12-13262
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-38	821.2	01/27/11	WG	Turbidity	0.93	NTU	CAPA-11-3020
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	01/26/11	WG	Dissolved Oxygen	5.12	mg/L	CAPA-11-3026
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	01/26/11	WG	Oxidation-Reduction Potential	72.6	mV	CAPA-11-3026
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	01/26/11	WG	pH	8.12	SU	CAPA-11-3026
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	01/26/11	WG	Specific Conductance	134	µS/cm	CAPA-11-3026
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	01/26/11	WG	Temperature	21.91	deg C	CAPA-11-3026
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-39	859	01/26/11	WG	Turbidity	3.6	NTU	CAPA-11-3026
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	05/05/11	WG	Dissolved Oxygen	0.83	mg/L	CAPA-11-9304
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	05/05/11	WG	Oxidation-Reduction Potential	81.8	mV	CAPA-11-9304
R-40 S1	751.59	04/26/12	WG	pH	9.34	SU	CAPA-12-13233

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	05/05/11	WG	pH	8.62	SU	CAPA-11-9304
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	05/05/11	WG	Specific Conductance	208	µS/cm	CAPA-11-9304
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	05/05/11	WG	Temperature	17.06	deg C	CAPA-11-9304
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 S1	751.59	05/05/11	WG	Turbidity	0.84	NTU	CAPA-11-9304
R-40 S2	849.27	05/01/12	WG	Dissolved Oxygen	7.39	mg/L	CAPA-12-13234

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	01/19/11	WG	Dissolved Oxygen	5.82	mg/L	CAPA-11-3030
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	01/19/11	WG	Oxidation-Reduction Potential	374	mV	CAPA-11-3030
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	01/19/11	WG	pH	7.74	SU	CAPA-11-3030
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	01/19/11	WG	Specific Conductance	123	µS/cm	CAPA-11-3030
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	01/19/11	WG	Temperature	20.36	deg C	CAPA-11-3030
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-40 S2	849.27	01/19/11	WG	Turbidity	0.98	NTU	CAPA-11-3030
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
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	01/21/11	WG	Dissolved Oxygen	0.65	mg/L	CAPA-11-2994
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-40 Si	649.67	01/21/11	WG	Oxidation-Reduction Potential	-138.1	mV	CAPA-11-2994
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
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	01/21/11	WG	pH	7.35	SU	CAPA-11-2994
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-40 Si	649.67	01/21/11	WG	Specific Conductance	255	µS/cm	CAPA-11-2994
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
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	01/21/11	WG	Temperature	16.45	deg C	CAPA-11-2994
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-40 Si	649.67	01/21/11	WG	Turbidity	0.28	NTU	CAPA-11-2994
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	01/12/11	WG	Dissolved Oxygen	4.62	mg/L	CAPA-11-3032
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
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	01/12/11	WG	Oxidation-Reduction Potential	63.6	mV	CAPA-11-3032
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	01/12/11	WG	pH	8.07	SU	CAPA-11-3032
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	01/12/11	WG	Specific Conductance	164	µS/cm	CAPA-11-3032
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	01/12/11	WG	Temperature	22.9	deg C	CAPA-11-3032
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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-41 S2	965.3	01/12/11	WG	Turbidity	0.77	NTU	CAPA-11-3032
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	01/19/11	WG	Dissolved Oxygen	3.68	mg/L	CAPA-11-3036
R-49 S1	845	04/26/12	WG	Oxidation-Reduction Potential	-18.6	mV	CAPA-12-13237
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	01/19/11	WG	Oxidation-Reduction Potential	33.8	mV	CAPA-11-3036
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	01/19/11	WG	pH	7.98	SU	CAPA-11-3036
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	01/19/11	WG	Specific Conductance	169	μS/cm	CAPA-11-3036
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	01/19/11	WG	Temperature	21.27	deg C	CAPA-11-3036

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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 S1	845	01/19/11	WG	Turbidity	2.84	NTU	CAPA-11-3036
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	01/26/11	WG	Dissolved Oxygen	5.11	mg/L	CAPA-11-3039
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	01/26/11	WG	Oxidation-Reduction Potential	86.8	mV	CAPA-11-3039
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	01/26/11	WG	pH	7.9	SU	CAPA-11-3039
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	01/26/11	WG	Specific Conductance	162	µS/cm	CAPA-11-3039
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-49 S2	905.6	04/29/11	WG	Temperature	23.21	deg C	CAPA-11-9378
R-49 S2	905.6	01/26/11	WG	Temperature	21.12	deg C	CAPA-11-3039
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-49 S2	905.6	01/26/11	WG	Turbidity	1	NTU	CAPA-11-3039
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
R-51 S1	914.96	01/11/11	WG	Dissolved Oxygen	6.86	mg/L	CAPA-11-3043
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	01/11/11	WG	Oxidation-Reduction Potential	71.1	mV	CAPA-11-3043
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	01/11/11	WG	pH	8.56	SU	CAPA-11-3043
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	01/11/11	WG	Specific Conductance	131	μS/cm	CAPA-11-3043
R-51 S1	914.96	04/23/12	WG	Temperature	21.24	deg C	CAPA-12-13239

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	01/11/11	WG	Temperature	20.1	deg C	CAPA-11-3043
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 S1	914.96	01/11/11	WG	Turbidity	1.4	NTU	CAPA-11-3043
R-51 S2	1031	04/23/12	WG	Dissolved Oxygen	6	mg/L	CAPA-12-13240
R-51 S2	1031	10/21/11	WG	Dissolved Oxygen	5.81	mg/L	CAPA-12-1164
R-51 S2	1031	07/28/11	WG	Dissolved Oxygen	6.52	mg/L	CAPA-11-14786
R-51 S2	1031	07/28/11	WG	Dissolved Oxygen	6.28	mg/L	CAPA-11-14788
R-51 S2	1031	07/28/11	WG	Dissolved Oxygen	6.49	mg/L	CAPA-11-14700
R-51 S2	1031	07/28/11	WG	Dissolved Oxygen	6.01	mg/L	CAPA-11-22928
R-51 S2	1031	05/09/11	WG	Dissolved Oxygen	6.13	mg/L	CAPA-11-9446
R-51 S2	1031	01/11/11	WG	Dissolved Oxygen	4.92	mg/L	CAPA-11-3045
R-51 S2	1031	04/23/12	WG	Oxidation-Reduction Potential	17.3	mV	CAPA-12-13240
R-51 S2	1031	10/21/11	WG	Oxidation-Reduction Potential	39.5	mV	CAPA-12-1164
R-51 S2	1031	07/28/11	WG	Oxidation-Reduction Potential	91.8	mV	CAPA-11-14786
R-51 S2	1031	07/28/11	WG	Oxidation-Reduction Potential	113.8	mV	CAPA-11-14788
R-51 S2	1031	07/28/11	WG	Oxidation-Reduction Potential	130.9	mV	CAPA-11-14700
R-51 S2	1031	07/28/11	WG	Oxidation-Reduction Potential	140.8	mV	CAPA-11-22928
R-51 S2	1031	05/09/11	WG	Oxidation-Reduction Potential	99.8	mV	CAPA-11-9446
R-51 S2	1031	01/11/11	WG	Oxidation-Reduction Potential	96.1	mV	CAPA-11-3045
R-51 S2	1031	04/23/12	WG	pH	8.25	SU	CAPA-12-13240
R-51 S2	1031	10/21/11	WG	pH	8.27	SU	CAPA-12-1164
R-51 S2	1031	07/28/11	WG	pH	8.19	SU	CAPA-11-14786

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-51 S2	1031	07/28/11	WG	pH	8.19	SU	CAPA-11-14788
R-51 S2	1031	07/28/11	WG	pH	8.17	SU	CAPA-11-14700
R-51 S2	1031	07/28/11	WG	pH	8.07	SU	CAPA-11-22928
R-51 S2	1031	05/09/11	WG	pH	8.23	SU	CAPA-11-9446
R-51 S2	1031	01/11/11	WG	pH	8.37	SU	CAPA-11-3045
R-51 S2	1031	04/23/12	WG	Specific Conductance	127	µS/cm	CAPA-12-13240
R-51 S2	1031	10/21/11	WG	Specific Conductance	122	µS/cm	CAPA-12-1164
R-51 S2	1031	07/28/11	WG	Specific Conductance	118	µS/cm	CAPA-11-14786
R-51 S2	1031	07/28/11	WG	Specific Conductance	111	µS/cm	CAPA-11-14788
R-51 S2	1031	07/28/11	WG	Specific Conductance	101	µS/cm	CAPA-11-14700
R-51 S2	1031	07/28/11	WG	Specific Conductance	114	µS/cm	CAPA-11-22928
R-51 S2	1031	05/09/11	WG	Specific Conductance	128	µS/cm	CAPA-11-9446
R-51 S2	1031	01/11/11	WG	Specific Conductance	140	µS/cm	CAPA-11-3045
R-51 S2	1031	04/23/12	WG	Temperature	21.61	deg C	CAPA-12-13240
R-51 S2	1031	10/21/11	WG	Temperature	21.63	deg C	CAPA-12-1164
R-51 S2	1031	07/28/11	WG	Temperature	21.6	deg C	CAPA-11-14786
R-51 S2	1031	07/28/11	WG	Temperature	21.79	deg C	CAPA-11-14788
R-51 S2	1031	07/28/11	WG	Temperature	21.93	deg C	CAPA-11-14700
R-51 S2	1031	07/28/11	WG	Temperature	21.93	deg C	CAPA-11-22928
R-51 S2	1031	05/09/11	WG	Temperature	21.94	deg C	CAPA-11-9446
R-51 S2	1031	01/11/11	WG	Temperature	20.57	deg C	CAPA-11-3045
R-51 S2	1031	04/23/12	WG	Turbidity	0.63	NTU	CAPA-12-13240
R-51 S2	1031	10/21/11	WG	Turbidity	1.36	NTU	CAPA-12-1164
R-51 S2	1031	07/28/11	WG	Turbidity	2.59	NTU	CAPA-11-14786
R-51 S2	1031	07/28/11	WG	Turbidity	1.05	NTU	CAPA-11-14788
R-51 S2	1031	07/28/11	WG	Turbidity	0.82	NTU	CAPA-11-14700
R-51 S2	1031	07/28/11	WG	Turbidity	0.74	NTU	CAPA-11-22928
R-51 S2	1031	05/09/11	WG	Turbidity	1	NTU	CAPA-11-9446

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-51 S2	1031	01/11/11	WG	Turbidity	1.68	NTU	CAPA-11-3045
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	01/13/11	WG	Dissolved Oxygen	5.93	mg/L	CAPA-11-3082
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	01/13/11	WG	Oxidation-Reduction Potential	78.1	mV	CAPA-11-3082
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
R-52 S1	1035.2	05/04/11	WG	pH	8.48	SU	CAPA-11-9464
R-52 S1	1035.2	01/13/11	WG	pH	8.29	SU	CAPA-11-3082
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	01/13/11	WG	Specific Conductance	145	µS/cm	CAPA-11-3082
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	01/13/11	WG	Temperature	21.58	deg C	CAPA-11-3082
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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 S1	1035.2	01/13/11	WG	Turbidity	1.29	NTU	CAPA-11-3082
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	01/13/11	WG	Dissolved Oxygen	6.38	mg/L	CAPA-11-3084
R-52 S2	1107	04/27/12	WG	Oxidation-Reduction Potential	47.1	mV	CAPA-12-13242
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	01/13/11	WG	Oxidation-Reduction Potential	90.8	mV	CAPA-11-3084
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	01/13/11	WG	pH	7.57	SU	CAPA-11-3084
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
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	01/13/11	WG	Specific Conductance	121	µS/cm	CAPA-11-3084
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-52 S2	1107	05/04/11	WG	Temperature	21.87	deg C	CAPA-11-9475
R-52 S2	1107	01/13/11	WG	Temperature	21.13	deg C	CAPA-11-3084
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-52 S2	1107	01/13/11	WG	Turbidity	0.6	NTU	CAPA-11-3084
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
R-53 S1	849.2	01/14/11	WG	Dissolved Oxygen	6.26	mg/L	CAPA-11-3089
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	01/14/11	WG	Oxidation-Reduction Potential	213.5	mV	CAPA-11-3089
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	01/14/11	WG	pH	7.75	SU	CAPA-11-3089

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	01/14/11	WG	Specific Conductance	125	µS/cm	CAPA-11-3089
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	01/14/11	WG	Temperature	20.81	deg C	CAPA-11-3089
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 S1	849.2	01/14/11	WG	Turbidity	1.19	NTU	CAPA-11-3089
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
R-53 S2	959.7	05/06/11	WG	Dissolved Oxygen	6.07	mg/L	CAPA-11-9491
R-53 S2	959.7	01/13/11	WG	Dissolved Oxygen	6.7	mg/L	CAPA-11-3092
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	01/13/11	WG	Oxidation-Reduction Potential	195.2	mV	CAPA-11-3092
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-53 S2	959.7	05/06/11	WG	pH	8.07	SU	CAPA-11-9491
R-53 S2	959.7	01/13/11	WG	pH	8.07	SU	CAPA-11-3092
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	01/13/11	WG	Specific Conductance	122	μS/cm	CAPA-11-3092
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	01/13/11	WG	Temperature	19.54	deg C	CAPA-11-3092
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-53 S2	959.7	01/13/11	WG	Turbidity	1.05	NTU	CAPA-11-3092
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
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	01/14/11	WG	Dissolved Oxygen	1.38	mg/L	CAPA-11-3047
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
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-54 S1	830	01/14/11	WG	Oxidation-Reduction Potential	-92.3	mV	CAPA-11-3047
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	01/14/11	WG	pH	7.01	SU	CAPA-11-3047
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	01/14/11	WG	Specific Conductance	185	µS/cm	CAPA-11-3047
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
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	01/14/11	WG	Temperature	20.59	deg C	CAPA-11-3047
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
R-54 S1	830	05/04/11	WG	Turbidity	1.38	NTU	CAPA-11-10604
R-54 S1	830	01/14/11	WG	Turbidity	1.51	NTU	CAPA-11-3047
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-54 S2	915	05/05/11	WG	Dissolved Oxygen	6.45	mg/L	CAPA-11-9500
R-54 S2	915	01/12/11	WG	Dissolved Oxygen	5.67	mg/L	CAPA-11-3050
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	01/12/11	WG	Oxidation-Reduction Potential	107.9	mV	CAPA-11-3050
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	01/12/11	WG	pH	8.17	SU	CAPA-11-3050
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	01/12/11	WG	Specific Conductance	124	μS/cm	CAPA-11-3050
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	01/12/11	WG	Temperature	21.23	deg C	CAPA-11-3050
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
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-54 S2	915	01/12/11	WG	Turbidity	0.58	NTU	CAPA-11-3050
R-55 S1	860	04/26/12	WG	Dissolved Oxygen	6.27	mg/L	CAPA-12-13263

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	02/07/11	WG	Dissolved Oxygen	5.22	mg/L	CAPA-11-4718
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	09/09/10	WG	Oxidation-Reduction Potential	203.6	mV	CAPA-10-26320
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	02/07/11	WG	pH	8	SU	CAPA-11-4718
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
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	02/07/11	WG	Specific Conductance	174	µS/cm	CAPA-11-4718
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	02/07/11	WG	Temperature	22.36	deg C	CAPA-11-4718
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 S1	860	02/07/11	WG	Turbidity	0.49	NTU	CAPA-11-4718
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	02/01/11	WG	Dissolved Oxygen	2.2	mg/L	CAPA-11-4726
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	02/01/11	WG	Oxidation-Reduction Potential	286.6	mV	CAPA-11-4726
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	02/01/11	WG	pH	8.49	SU	CAPA-11-4726
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	02/01/11	WG	Specific Conductance	172	µS/cm	CAPA-11-4726
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	02/01/11	WG	Temperature	21.72	deg C	CAPA-11-4726
R-55 S2	994.4	04/26/12	WG	Turbidity	0.33	NTU	CAPA-12-13264
R-55 S2	994.4	10/31/11	WG	Turbidity	0.45	NTU	CAPA-12-1204

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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-55 S2	994.4	02/01/11	WG	Turbidity	0.31	NTU	CAPA-11-4726
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	03/23/11	WG	Dissolved Oxygen	5.67	mg/L	CAPA-11-4734
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	Units	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	03/23/11	WG	Oxidation-Reduction Potential	-52.5	mV	CAPA-11-4734
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	03/23/11	WG	pH	7.89	SU	CAPA-11-4734
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-55i	510	03/23/11	WG	Specific Conductance	305	µS/cm	CAPA-11-4734
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	03/23/11	WG	Temperature	18	deg C	CAPA-11-4734
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-55i	510	03/23/11	WG	Turbidity	1.78	NTU	CAPA-11-4734
R-56 S1	945	04/25/12	WG	Dissolved Oxygen	5.57	mg/L	CAPA-12-13247

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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
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	02/03/11	WG	Dissolved Oxygen	3.13	mg/L	CAPA-11-4722
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	02/03/11	WG	Oxidation-Reduction Potential	169.4	mV	CAPA-11-4722
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	02/03/11	WG	pH	7.66	SU	CAPA-11-4722
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	02/03/11	WG	Specific Conductance	145	µS/cm	CAPA-11-4722
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-56 S1	945	02/03/11	WG	Temperature	19.03	deg C	CAPA-11-4722
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
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 S1	945	02/03/11	WG	Turbidity	0.71	NTU	CAPA-11-4722
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	02/07/11	WG	Dissolved Oxygen	3.92	mg/L	CAPA-11-4731
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	02/07/11	WG	Oxidation-Reduction Potential	192.3	mV	CAPA-11-4731
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	02/07/11	WG	pH	7.84	SU	CAPA-11-4731
R-56 S2	1046.6	04/25/12	WG	Specific Conductance	134	µS/cm	CAPA-12-13248
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	02/07/11	WG	Specific Conductance	141	µS/cm	CAPA-11-4731
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	02/07/11	WG	Temperature	20.76	deg C	CAPA-11-4731
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-56 S2	1046.6	02/07/11	WG	Turbidity	1.06	NTU	CAPA-11-4731
R-57 S1	910	04/23/12	WG	Dissolved Oxygen	4.97	mg/L	CAPA-12-13249

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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
R-57 S1	910	05/09/11	WG	Dissolved Oxygen	4.57	mg/L	CAPA-11-9515
R-57 S1	910	07/01/10	WG	Dissolved Oxygen	5.36	mg/L	CAPA-10-22387
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	07/01/10	WG	Oxidation-Reduction Potential	32.9	mV	CAPA-10-22387
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	07/01/10	WG	pH	8.09	SU	CAPA-10-22387
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	07/01/10	WG	Specific Conductance	135	μS/cm	CAPA-10-22387
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
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	07/01/10	WG	Temperature	22.27	deg C	CAPA-10-22387
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 S1	910	07/01/10	WG	Turbidity	0.92	NTU	CAPA-10-22387
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	06/25/10	WG	Dissolved Oxygen	2.83	mg/L	CAPA-10-22406
R-57 S2	971.5	04/23/12	WG	Oxidation-Reduction Potential	80.9	mV	CAPA-12-13250

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	06/25/10	WG	Oxidation-Reduction Potential	191.6	mV	CAPA-10-22406
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	06/25/10	WG	pH	7.82	SU	CAPA-10-22406
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	06/25/10	WG	Specific Conductance	137	µS/cm	CAPA-10-22406
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	06/25/10	WG	Temperature	21.81	deg C	CAPA-10-22406
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
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
R-57 S2	971.5	06/25/10	WG	Turbidity	1.8	NTU	CAPA-10-22406

^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
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	10/20/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.3524	0.5152	1.5456	—	pCi/L	N	U	R	11-304	CAPA-10-27373	ARSL
R-20 S1	904.6	10/20/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.4508	0.483	1.61	—	pCi/L	Y	U	U	11-304	CAPA-10-27373	ARSL
R-20 S2	1147.1	05/01/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	Y	0.59	—	—	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	Toluene	108-88-3	N	1	—	—	0.25	µg/L	Y	U	U	12-201	CAPA-12-1136	GELC
R-20 S2	1147.1	07/25/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	1	—	—	0.25	µg/L	Y	U	U	11-2921	CAPA-11-22881	GELC
R-20 S2	1147.1	04/25/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	1	—	—	0.25	µg/L	Y	U	U	11-2171	CAPA-11-9314	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	1	—	—	0.25	µg/L	Y	U	U	11-1173	CAPA-11-3476	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	1	—	—	0.25	µg/L	Y	U	U	11-1173	CAPA-11-3483	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	1	—	—	0.25	µg/L	Y	U	U	11-1175	CAPA-11-3489	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	1	—	—	0.25	µg/L	Y	U	U	11-1182	CAPA-11-3010	GELC
R-20 S2	1147.1	05/01/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.38	—	—	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	Trichloroethene	79-01-6	Y	0.35	—	—	0.25	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	Trichloroethene	79-01-6	Y	0.3	—	—	0.25	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	Trichloroethene	79-01-6	Y	0.34	—	—	0.25	µg/L	Y	J	J	11-2171	CAPA-11-9314	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.51	—	—	0.25	µg/L	Y	J	J	11-1175	CAPA-11-3489	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.55	—	—	0.25	µg/L	Y	J	J	11-1173	CAPA-11-3483	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.59	—	—	0.25	µg/L	Y	J	J	11-1182	CAPA-11-3010	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.49	—	—	0.25	µg/L	Y	J	J	11-1173	CAPA-11-3476	GELC
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	01/21/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.2218	0.6762	1.8354	—	pCi/L	Y	—	NQ	11-1211	CAPA-11-3010	ARSL
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.771	0.644	1.8354	—	pCi/L	N	U	R	11-1211	CAPA-11-3010	ARSL
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-20 S2	1147.1	01/21/11	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	11-1182	CAPA-11-3010	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.67	—	—	0.5	µg/L	Y	J	J	11-1175	CAPA-11-3489	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.88	—	—	0.5	µg/L	Y	J	J	11-1173	CAPA-11-3476	GELC
R-20 S2	1147.1	01/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.76	—	—	0.5	µg/L	Y	J	J	11-1173	CAPA-11-3483	GELC
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	01/27/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.5152	0.483	1.6422	—	pCi/L	Y	U	U	11-1276	CAPA-11-3013	ARSL
R-21	888.8	01/27/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.0608	0.5474	1.6422	—	pCi/L	N	U	R	11-1276	CAPA-11-3013	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	01/24/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.7066	0.8372	2.6726	—	pCi/L	N	U	R	11-1211	CAPA-11-2976	ARSL
R-23	816	01/24/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.9642	0.8694	2.6726	—	pCi/L	Y	U	U	11-1211	CAPA-11-2976	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

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	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	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	10/18/10	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	06/17/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	21.9282	3.381	1.6744	—	pCi/L	N	—	R	10-3479	CAPA-10-17577	ARSL
R-23i S2	470.2	06/17/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	21.6706	3.381	1.6744	—	pCi/L	Y	—	NQ	10-3479	CAPA-10-17577	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	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	10/18/10	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	06/16/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	28.3038	4.347	2.1574	—	pCi/L	N	—	R	10-3479	CAPA-10-17580	ARSL
R-23i S3	524	06/16/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	25.9532	3.9928	2.1574	—	pCi/L	Y	—	NQ	10-3479	CAPA-10-17580	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	01/25/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.8998	0.7084	2.0608	—	pCi/L	N	U	R	11-1211	CAPA-11-3016	ARSL
R-32 S1	867.5	01/25/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.4508	0.6118	2.0608	—	pCi/L	Y	U	U	11-1211	CAPA-11-3016	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	01/21/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	44.597	6.7942	2.576	—	pCi/L	N	—	R	11-1211	CAPA-11-2990	ARSL
R-37 S1	929.3	01/21/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	27.4344	4.186	1.3846	—	pCi/L	N	—	R	11-1211	CAPA-11-2999	ARSL
R-37 S1	929.3	01/21/11	WG	UF	RE	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	27.5632	4.186	1.3846	—	pCi/L	Y	—	NQ	11-1211	CAPA-11-2999	ARSL
R-37 S1	929.3	01/21/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	45.2732	6.923	2.576	—	pCi/L	Y	—	NQ	11-1211	CAPA-11-2990	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	01/25/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.932	0.7084	2.093	—	pCi/L	N	U	R	11-1211	CAPA-11-3019	ARSL
R-37 S2	1026	01/25/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.0966	0.6118	2.093	—	pCi/L	Y	U	U	11-1211	CAPA-11-3019	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	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	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	10/11/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.703	0.966	2.5116	—	pCi/L	N	—	R	11-195	CAPA-10-27406	ARSL
R-38	821.2	10/11/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.9624	0.9016	2.5116	—	pCi/L	Y	—	U	11-195	CAPA-10-27406	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	01/26/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.7084	0.5152	1.771	—	pCi/L	Y	U	U	11-1276	CAPA-11-3026	ARSL
R-39	859	01/26/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.254	0.5796	1.771	—	pCi/L	N	U	R	11-1276	CAPA-11-3026	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 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	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
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	10/20/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.0286	0.7728	2.3184	—	pCi/L	N	U	R	11-304	CAPA-10-26922	ARSL
R-40 S1	751.59	10/20/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.0966	0.7084	2.4472	—	pCi/L	Y	U	U	11-304	CAPA-10-26922	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	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	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	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	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	01/19/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.1932	0.5796	1.9642	—	pCi/L	Y	U	U	11-1211	CAPA-11-3030	ARSL
R-40 S2	849.27	01/19/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.8032	0.6762	1.9642	—	pCi/L	N	U	R	11-1211	CAPA-11-3030	ARSL
R-40 Si	649.67	05/07/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	Y	0.35	—	—	0.3	µg/L	Y	J	J	12-1288	CAPA-12-13235	GELC
R-40 Si	649.67	11/01/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	12-251	CAPA-12-1124	GELC
R-40 Si	649.67	07/12/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-2793	CAPA-11-23047	GELC
R-40 Si	649.67	10/20/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-222	CAPA-10-26917	GELC
R-40 Si	649.67	07/28/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	UJ	10-3891	CAPA-10-24070	GELC
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	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	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	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-40 Si	649.67	03/03/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0	0.2898	0.2898	—	pCi/L	Y	U	U	10-2274	CAPA-10-12851	UMTL
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	10/08/10	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.9606	0.9982	2.5438	—	pCi/L	Y	—	NQ	11-112	CAPA-10-27402	ARSL
R-41 S2	965.3	10/08/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	6.3112	1.2558	2.4472	—	pCi/L	Y	—	NQ	11-112	CAPA-10-27405	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	01/19/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.5438	0.9338	2.737	—	pCi/L	N	U	R	11-1211	CAPA-11-3036	ARSL
R-49 S1	845	01/19/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.2576	0.805	2.737	—	pCi/L	Y	U	U	11-1211	CAPA-11-3036	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	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	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	10/07/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.449	0.7084	2.254	—	pCi/L	Y	U	U	11-112	CAPA-10-27423	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	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	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	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

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	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	01/11/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.2218	0.7728	2.254	—	pCi/L	N	U	R	11-1122	CAPA-11-3043	ARSL
R-51 S1	914.96	01/11/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.3846	0.7084	2.254	—	pCi/L	Y	U	U	11-1122	CAPA-11-3043	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	01/11/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.3506	0.8372	2.415	—	pCi/L	N	U	R	11-1122	CAPA-11-3045	ARSL
R-51 S2	1030.96	01/11/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.8998	0.805	2.415	—	pCi/L	Y	U	U	11-1122	CAPA-11-3045	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	01/13/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	6.0214	1.1592	2.1574	—	pCi/L	N	—	R	11-1122	CAPA-11-3082	ARSL
R-52 S1	1035.2	01/13/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	6.0214	1.1592	2.1574	—	pCi/L	Y	—	NQ	11-1122	CAPA-11-3082	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	01/13/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.2236	0.644	1.9642	—	pCi/L	N	U	R	11-1122	CAPA-11-3084	ARSL
R-52 S2	1107	01/13/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.7066	0.6762	1.9642	—	pCi/L	Y	U	U	11-1122	CAPA-11-3084	ARSL
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	01/14/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	9.6278	1.6422	2.1896	—	pCi/L	N	—	R	11-1122	CAPA-11-3089	ARSL
R-53 S1	849.2	01/14/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	9.0482	1.5456	2.1896	—	pCi/L	Y	—	NQ	11-1122	CAPA-11-3089	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	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	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	01/13/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.7692	0.805	2.2218	—	pCi/L	N	—	R	11-1122	CAPA-11-3092	ARSL
R-53 S2	959.7	01/13/11	WG	UF	RE	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.4812	0.644	1.8998	—	pCi/L	Y	U	U	11-1122	CAPA-11-3094	ARSL
R-53 S2	959.7	01/13/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.3828	0.7084	1.8998	—	pCi/L	N	—	R	11-1122	CAPA-11-3094	ARSL
R-53 S2	959.7	01/13/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.966	0.6762	2.2218	—	pCi/L	Y	U	U	11-1122	CAPA-11-3092	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 S1	830	01/14/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.254	0.805	2.3184	—	pCi/L	N	U	R	11-1122	CAPA-11-3047	ARSL
R-54 S1	830	01/14/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.8372	0.7084	2.3184	—	pCi/L	Y	U	U	11-1122	CAPA-11-3047	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	01/12/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.9016	0.805	2.6726	—	pCi/L	Y	U	U	11-1122	CAPA-11-3050	ARSL
R-54 S2	915	01/12/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.6082	0.9338	2.6726	—	pCi/L	N	U	R	11-1122	CAPA-11-3050	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-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	02/07/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.2218	0.5796	1.771	—	pCi/L	N	U	R	11-1308	CAPA-11-4718	ARSL
R-55 S1	860	02/07/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.2576	0.483	1.6744	—	pCi/L	Y	U	U	11-1308	CAPA-11-4718	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	02/01/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.0286	0.5474	1.61	—	pCi/L	N	U	R	11-1270	CAPA-11-4726	ARSL
R-55 S2	994.4	02/01/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.805	0.483	1.61	—	pCi/L	Y	U	U	11-1270	CAPA-11-4726	ARSL
R-55i	510	04/30/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.7	—	—	0.01	SU	Y	H	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	04/30/12	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	12-1268	CAPA-12-13272	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.55	—	—	0.01	SU	Y	H	J-	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.7	—	—	0.01	SU	Y	H	J-	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.48	—	—	0.01	SU	Y	H	J-	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	J-	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	J-	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.9	—	—	0.725	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.9	—	—	0.725	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86	—	—	0.73	mg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.4	—	—	0.73	mg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	104	—	—	0.73	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	91.9	—	—	0.73	mg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	89.5	—	—	0.73	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0446	—	—	0.017	mg/L	Y	J	J	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.101	—	—	0.017	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0287	—	—	0.016	mg/L	Y	J	J	12-242	CAPA-12-1226	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-242	CAPA-12-1223	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0354	—	—	0.016	mg/L	Y	J	J	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0438	—	—	0.016	mg/L	Y	J	J	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.033	—	—	0.016	mg/L	Y	J	U	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.1	—	—	1	µg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.3	—	—	1	µg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	46.2	—	—	1	µg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46.2	—	—	1	µg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	59.3	—	—	1	µg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	51	—	—	1	µg/L	Y	—	J	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	37.5	—	—	1	µg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.289	—	—	0.067	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.28	—	—	0.067	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.242	—	—	0.066	mg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.266	—	—	0.066	mg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.231	—	—	0.066	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.245	—	—	0.066	mg/L	Y	—	J+	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.244	—	—	0.066	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	33.5	—	—	0.05	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	34.3	—	—	0.05	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	34	—	—	0.05	mg/L	Y	—	NQ	12-242	CAPA-12-1223	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-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	34.4	—	—	0.05	mg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	37.3	—	—	0.05	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	35.6	—	—	0.05	mg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	35.3	—	—	0.05	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.9	—	—	0.067	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.9	—	—	0.067	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.5	—	—	0.066	mg/L	Y	—	J-	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.6	—	—	0.066	mg/L	Y	—	J-	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.7	—	—	0.066	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17.2	—	—	0.066	mg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.6	—	—	0.066	mg/L	Y	—	J+	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.19	—	—	0.033	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.188	—	—	0.033	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.244	—	—	0.033	mg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.236	—	—	0.033	mg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.239	—	—	0.033	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.279	—	—	0.033	mg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.219	—	—	0.033	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	120	—	—	0.453	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	123	—	—	0.453	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	123	—	—	0.45	mg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	121	—	—	0.45	mg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	131	—	—	0.45	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	126	—	—	0.45	mg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	126	—	—	0.45	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	295	—	—	30	µg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	Y	289	—	—	30	µg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	Y	472	—	—	30	µg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	470	—	—	30	µg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1320	—	—	30	µg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	431	—	—	30	µg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	82.3	—	—	30	µg/L	Y	J	J	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	8.84	—	—	0.11	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.04	—	—	0.11	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	8.78	—	—	0.11	mg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	8.92	—	—	0.11	mg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.23	—	—	0.11	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.08	—	—	0.11	mg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.17	—	—	0.11	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	328	—	—	2	µg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	333	—	—	2	µg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	370	—	—	2	µg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	374	—	—	2	µg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	780	—	—	2	µg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	621	—	—	2	µg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	435	—	—	2	µg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	7.16	—	—	0.165	µg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	7.29	—	—	0.165	µg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	8.15	—	—	0.17	µg/L	Y	—	J	12-242	CAPA-12-1226	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	8.09	—	—	0.17	µg/L	Y	—	J	12-242	CAPA-12-1223	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	9.63	—	—	0.17	µg/L	Y	—	NQ	11-2863	CAPA-11-22979	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-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	9.5	—	—	0.17	µg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	7.76	—	—	0.17	µg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Naphthalene	91-20-3	N	1.06	—	—	0.319	µg/L	Y	U	UJ	12-1268	CAPA-12-13265	GELC
R-55i	510	04/30/12	WG	UF	INIT	FD	SVOC	SW-846:8270C	Naphthalene	91-20-3	Y	0.33	—	—	0.3	µg/L	Y	J	J-	12-1268	CAPA-12-13348	GELC
R-55i	510	04/30/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.4	µg/L	Y	U	U	12-1268	CAPA-12-13265	GELC
R-55i	510	04/30/12	WG	UF	INIT	FD	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.4	µg/L	Y	U	U	12-1268	CAPA-12-13348	GELC
R-55i	510	11/01/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Naphthalene	91-20-3	N	1.05	—	—	0.32	µg/L	Y	U	U	12-241	CAPA-12-1224	GELC
R-55i	510	11/01/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.25	µg/L	Y	U	U	12-241	CAPA-12-1225	GELC
R-55i	510	11/01/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.25	µg/L	Y	U	U	12-241	CAPA-12-1224	GELC
R-55i	510	11/01/11	WG	UF	INIT	FD	SVOC	SW-846:8270C	Naphthalene	91-20-3	N	1.09	—	—	0.33	µg/L	Y	U	U	12-241	CAPA-12-1225	GELC
R-55i	510	07/18/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.25	µg/L	Y	U	U	11-2863	CAPA-11-22978	GELC
R-55i	510	07/18/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Naphthalene	91-20-3	N	1.05	—	—	0.32	µg/L	Y	U	U	11-2863	CAPA-11-22978	GELC
R-55i	510	05/10/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Naphthalene	91-20-3	N	1.11	—	—	0.33	µg/L	Y	U	U	11-2376	CAPA-11-10606	GELC
R-55i	510	05/10/11	WG	UF	INIT	FD	SVOC	SW-846:8270C	Naphthalene	91-20-3	N	1.11	—	—	0.33	µg/L	Y	U	U	11-2376	CAPA-11-10609	GELC
R-55i	510	05/10/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.25	µg/L	Y	U	U	11-2376	CAPA-11-10606	GELC
R-55i	510	05/10/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.25	µg/L	Y	U	U	11-2376	CAPA-11-10609	GELC
R-55i	510	03/23/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.25	µg/L	Y	U	U	11-1745	CAPA-11-4734	GELC
R-55i	510	03/23/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Naphthalene	91-20-3	N	1	—	—	0.3	µg/L	Y	U	U	11-1745	CAPA-11-4734	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.63	—	—	0.5	µg/L	Y	J	J	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.53	—	—	0.5	µg/L	Y	J	J	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	3.17	—	—	0.5	µg/L	Y	—	U	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.4	—	—	0.5	µg/L	Y	—	J	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.45	—	—	0.5	µg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.9	—	—	0.5	µg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.86	—	—	0.5	µg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.8	—	—	0.085	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.69	—	—	0.085	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.14	—	—	0.05	mg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.16	—	—	0.05	mg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.09	—	—	0.05	mg/L	Y	—	J-	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.83	—	—	0.1	mg/L	Y	—	J-	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.88	—	—	0.05	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.17	—	—	0.1	µg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.15	—	—	0.1	µg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.21	—	—	0.1	µg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.08	—	—	0.1	µg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.892	—	—	0.05	µg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.88	—	—	0.1	µg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.987	—	—	0.1	µg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.18	—	—	0.05	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.24	—	—	0.05	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.25	—	—	0.05	mg/L	Y	—	J	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.31	—	—	0.05	mg/L	Y	—	J	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.24	—	—	0.05	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.34	—	—	0.05	mg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	Y	2.22	—	—	1.5	µg/L	Y	J	J	12-1268	CAPA-12-13350	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.32	—	—	1.5	µg/L	Y	J	J	12-1268	CAPA-12-13272	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	3.23	—	—	1.5	µg/L	Y	J	J	12-242	CAPA-12-1226	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	Y	3.58	—	—	1.5	µg/L	Y	J	J	12-242	CAPA-12-1223	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.55	—	—	1.5	µg/L	Y	J	J	11-2863	CAPA-11-22979	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-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.75	—	—	1.5	µg/L	Y	J	U	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.91	—	—	1.5	µg/L	Y	J	J	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	47.7	—	—	0.053	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48.4	—	—	0.053	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	45.6	—	—	0.053	mg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.4	—	—	0.053	mg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	47.2	—	—	0.053	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.2	—	—	0.053	mg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	44	—	—	0.053	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.2	—	—	0.1	mg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	312	—	—	1	µS/cm	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	312	—	—	1	µS/cm	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	310	—	—	1	µS/cm	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	309	—	—	1	µS/cm	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	320	—	—	1	µS/cm	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	302	—	—	1	µS/cm	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	315	—	—	1	µS/cm	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	157	—	—	1	µg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	156	—	—	1	µg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	159	—	—	1	µg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	161	—	—	1	µg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	165	—	—	1	µg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	166	—	—	1	µg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	166	—	—	1	µg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.2	—	—	0.133	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.4	—	—	0.133	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20.9	—	—	0.1	mg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20.8	—	—	0.1	mg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	17	—	—	0.1	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20.3	—	—	0.1	mg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.1	—	—	0.1	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	207	—	—	3.4	mg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	214	—	—	3.4	mg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	200	—	—	4.8	mg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	218	—	—	2.4	mg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	218	—	—	2.4	mg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.78	—	—	0.33	mg/L	Y	J	J	12-1268	CAPA-12-13265	GELC
R-55i	510	04/30/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.808	—	—	0.33	mg/L	Y	J	J	12-1268	CAPA-12-13348	GELC
R-55i	510	11/01/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.13	—	—	0.33	mg/L	Y	—	NQ	12-241	CAPA-12-1224	GELC
R-55i	510	11/01/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.14	—	—	0.33	mg/L	Y	—	NQ	12-241	CAPA-12-1225	GELC
R-55i	510	07/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.8	—	—	0.33	mg/L	Y	—	NQ	11-2863	CAPA-11-22978	GELC
R-55i	510	05/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.38	—	—	0.33	mg/L	Y	—	NQ	11-2376	CAPA-11-10606	GELC
R-55i	510	03/23/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.64	—	—	0.33	mg/L	Y	—	NQ	11-1747	CAPA-11-4734	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-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	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	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	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-55i	510	03/23/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.932	0.7406	2.5116	—	pCi/L	N	U	R	11-1843	CAPA-11-4734	ARSL
R-55i	510	03/23/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.483	0.7406	2.5116	—	pCi/L	Y	U	U	11-1843	CAPA-11-4734	ARSL
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.748	—	—	0.067	µg/L	Y	—	NQ	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.762	—	—	0.067	µg/L	Y	—	NQ	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.809	—	—	0.067	µg/L	Y	—	NQ	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.829	—	—	0.067	µg/L	Y	—	NQ	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.965	—	—	0.067	µg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.23	—	—	0.067	µg/L	Y	—	NQ	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.12	—	—	0.067	µg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.48	—	—	1	µg/L	Y	J	J	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.81	—	—	1	µg/L	Y	J	J	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.68	—	—	1	µg/L	Y	J	J	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.47	—	—	1	µg/L	Y	J	J	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.31	—	—	1	µg/L	Y	J	J	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	2.47	—	—	1	µg/L	Y	J	U	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.91	—	—	1	µg/L	Y	J	J	11-1747	CAPA-11-4735	GELC
R-55i	510	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.41	—	—	3.3	µg/L	Y	J	J	12-1268	CAPA-12-13272	GELC
R-55i	510	04/30/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.43	—	—	3.3	µg/L	Y	J	J	12-1268	CAPA-12-13350	GELC
R-55i	510	11/01/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.98	—	—	3.3	µg/L	Y	J	J	12-242	CAPA-12-1223	GELC
R-55i	510	11/01/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.1	—	—	3.3	µg/L	Y	J	J	12-242	CAPA-12-1226	GELC
R-55i	510	07/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.8	—	—	3.3	µg/L	Y	—	NQ	11-2863	CAPA-11-22979	GELC
R-55i	510	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	8.1	—	—	3.3	µg/L	Y	J	U	11-2376	CAPA-11-10607	GELC
R-55i	510	03/23/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.4	—	—	3.3	µg/L	Y	—	NQ	11-1747	CAPA-11-4735	GELC
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
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	02/03/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.8336	0.6762	1.5778	—	pCi/L	N	—	R	11-1307	CAPA-11-4722	ARSL
R-56 S1	945	02/03/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.0608	0.5796	1.5134	—	pCi/L	Y	—	NQ	11-1307	CAPA-11-4722	ARSL
R-56 S2	1046.6	04/25/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	Y	0.33	—	—	0.3	µg/L	Y	J	J-	12-1247	CAPA-12-13248	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	12-264	CAPA-12-1212	GELC
R-56 S2	1046.6	11/02/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	12-264	CAPA-12-1213	GELC
R-56 S2	1046.6	07/20/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-2899	CAPA-11-23032	GELC
R-56 S2	1046.6	05/10/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-2391	CAPA-11-9514	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-1290	CAPA-11-4731	GELC
R-56 S2	1046.6	02/07/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-1290	CAPA-11-4733	GELC
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	02/07/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.3828	0.6118	1.8676	—	pCi/L	N	U	R	11-1307	CAPA-11-4731	ARSL
R-56 S2	1046.6	02/07/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.2898	0.5152	1.771	—	pCi/L	Y	U	U	11-1307	CAPA-11-4731	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	07/01/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-3.4454	0.7406	1.8998	—	pCi/L	Y	U	U	10-3596	CAPA-10-22387	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
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	06/25/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-3.9928	1.0626	3.0912	—	pCi/L	Y	U	U	10-3509	CAPA-10-22406	ARSL

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	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Intermediate	R-55i	510	04/30/12	Metals	Manganese	Mn	F ^a	INIT ^b	FD ^c	Y ^d	333	2	µg/L	1	NQ ^e	NQ	Y	SW-846:6010B	SW-846:6010B	GELC ^f	200	NMWQCC GW STD ^g	1.67
Intermediate	R-55i	510	04/30/12	Metals	Manganese	Mn	F	INIT	REG ^h	Y	328	2	µg/L	1	NQ	NQ	Y	SW-846:6010B	SW-846:6010B	GELC	200	NMWQCC GW STD	1.64

^a F = Filtered.

^b INIT = Initial.

^c FD = Field duplicate.

^d Y = Yes.

^e NQ = Not qualified.

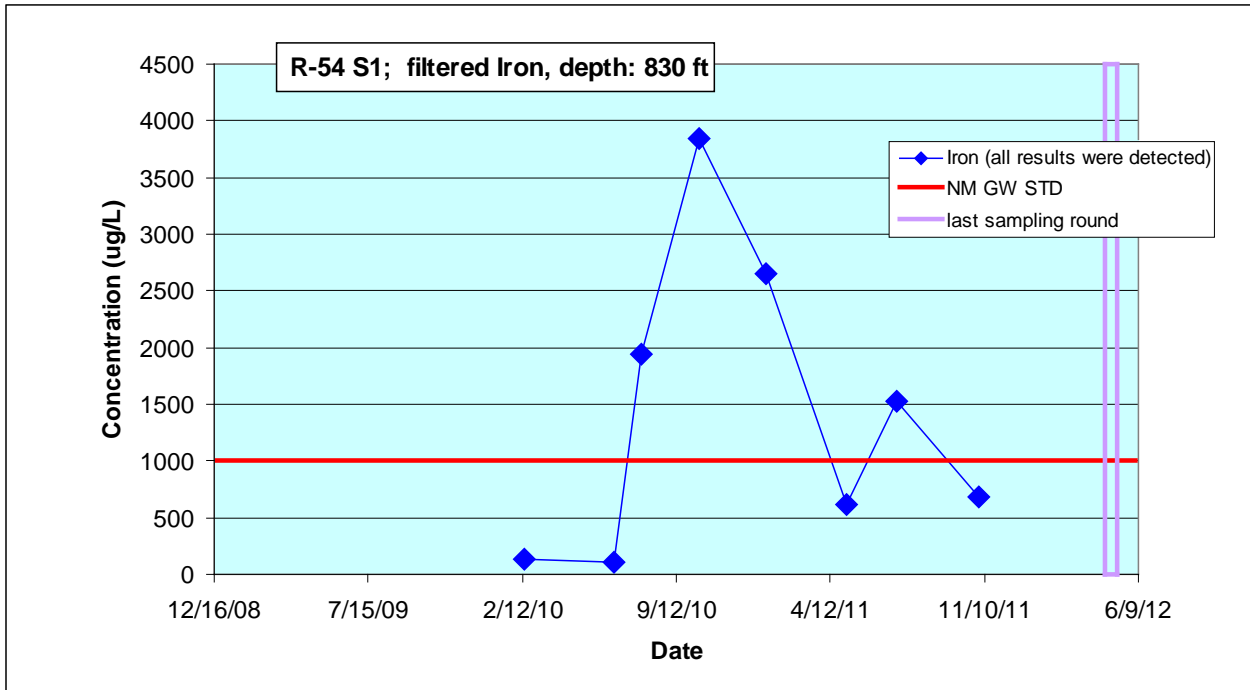
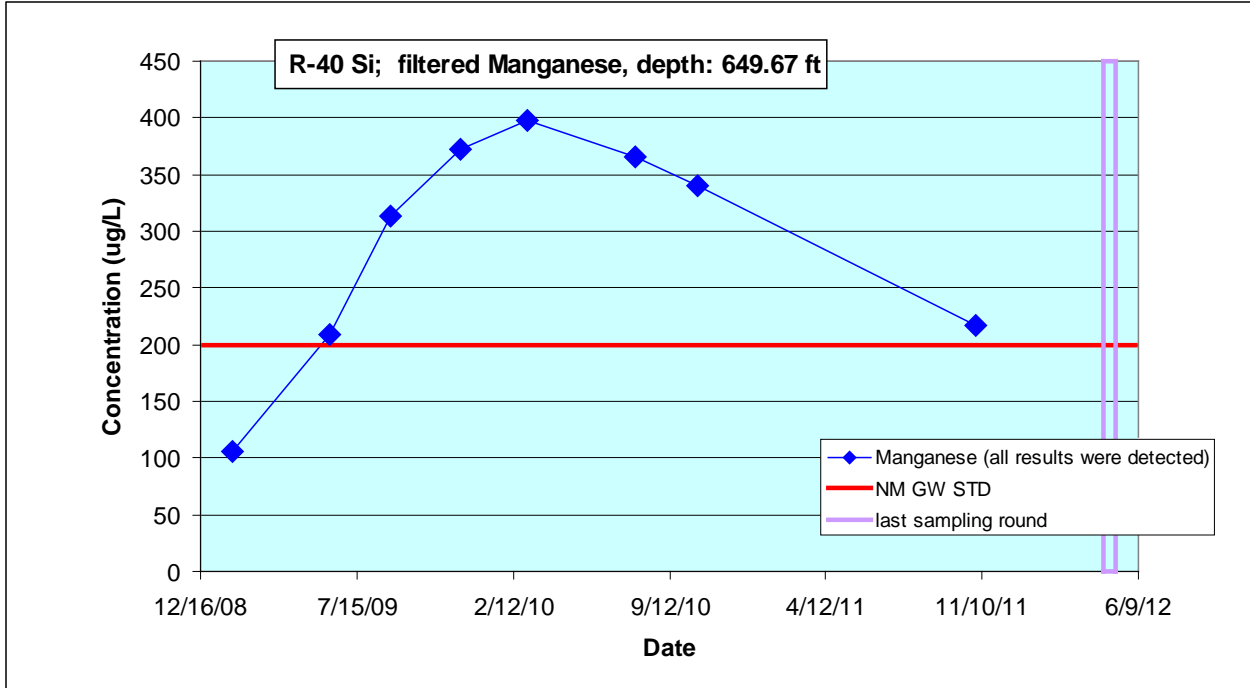
^f GELC = General Engineering Laboratories, Inc., Charleston, SC.

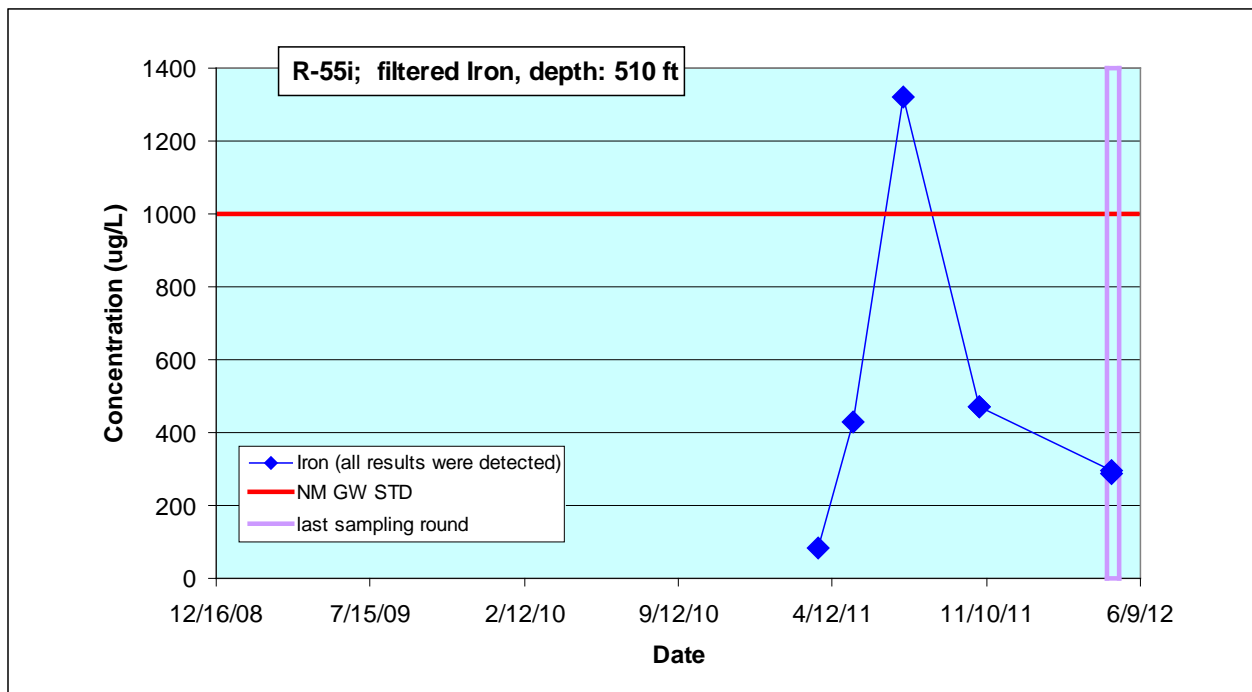
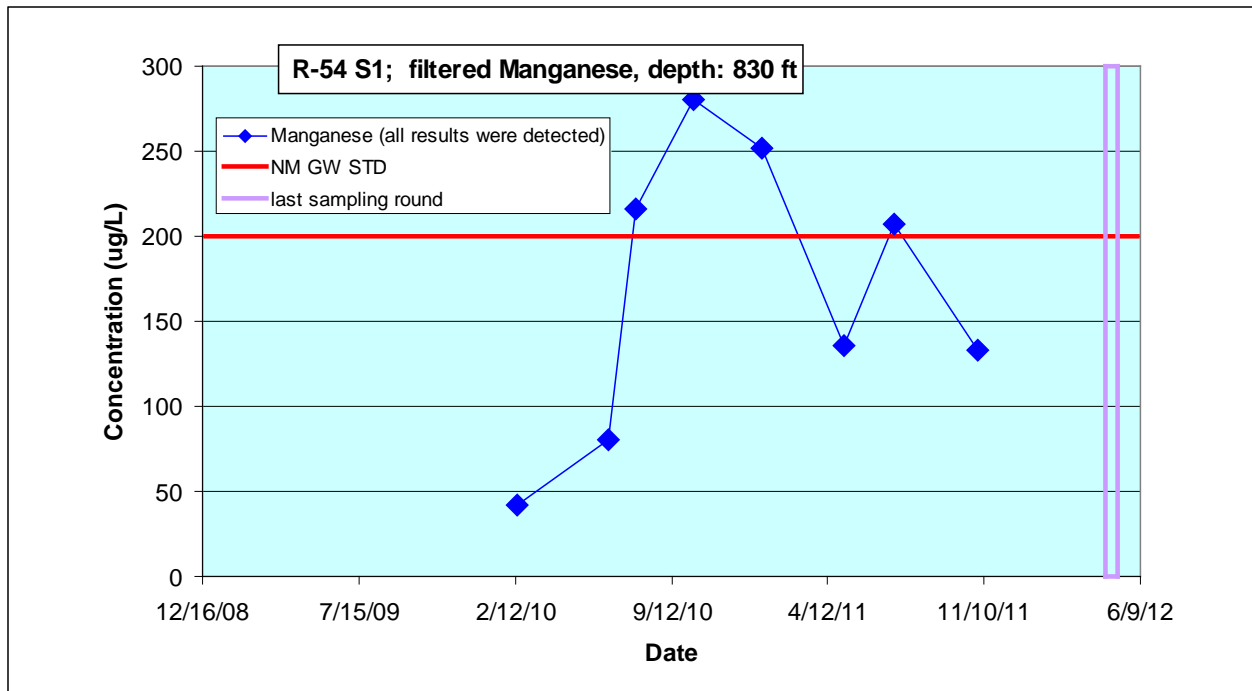
^g NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.

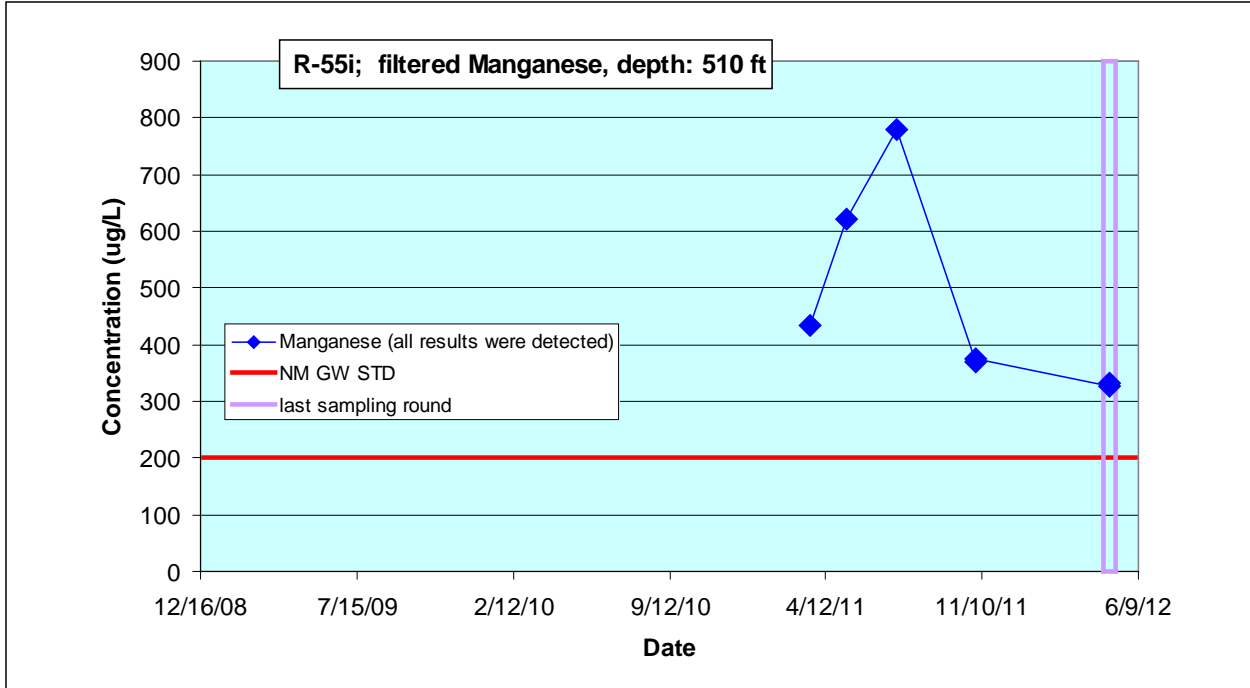
^h REG = Regular.

Appendix E

Analytical Chemistry Graphs of Screening-Level Exceedances







Appendix F

Analytical Reports
(on DVD included with this document)

DVD Table of Contents

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
12-1235	ORGANIC	GELC ^a	CAPA-12-13240	04/23/2012	R-51 S2	1031	1041
12-1235	ORGANIC	GELC	CAPA-12-13249	04/23/2012	R-57 S1	910	930.5
12-1235	ORGANIC	GELC	CAPA-12-13250	04/23/2012	R-57 S2	971.5	992.1
12-1235	ORGANIC	GELC	CAPA-12-13239	04/23/2012	R-51 S1	914.96	925.24
12-1237	RAD ^b	ARSL ^c	CAPA-12-13262	04/24/2012	R-38	821.2	831.2
12-1238	RAD	ARSL	CAPA-12-13236	04/24/2012	R-41 S2	965.3	975
12-1238	RAD	ARSL	CAPA-12-13243	04/24/2012	R-53 S1	849.2	859.2
12-1238	RAD	ARSL	CAPA-12-13244	04/24/2012	R-53 S2	959.7	980.2
12-1239	RAD	ARSL	CAPA-12-13240	04/23/2012	R-51 S2	1031	1041
12-1239	RAD	ARSL	CAPA-12-13249	04/23/2012	R-57 S1	910	930.5
12-1239	RAD	ARSL	CAPA-12-13250	04/23/2012	R-57 S2	971.5	992.1
12-1239	RAD	ARSL	CAPA-12-13239	04/23/2012	R-51 S1	914.96	925.24
12-1240	ORGANIC	GELC	CAPA-12-13262	04/24/2012	R-38	821.2	831.2
12-1242	ORGANIC	GELC	CAPA-12-13243	04/24/2012	R-53 S1	849.2	859.2
12-1242	ORGANIC	GELC	CAPA-12-13236	04/24/2012	R-41 S2	965.3	975
12-1242	ORGANIC	GELC	CAPA-12-13244	04/24/2012	R-53 S2	959.7	980.2
12-1247	ORGANIC	GELC	CAPA-12-13248	04/25/2012	R-56 S2	1046.6	1067.1
12-1247	ORGANIC	GELC	CAPA-12-13231	04/25/2012	R-32 S1	867.5	875.2
12-1247	ORGANIC	GELC	CAPA-12-13232	04/25/2012	R-39	859	869
12-1247	ORGANIC	GELC	CAPA-12-13247	04/25/2012	R-56 S1	945	965.6
12-1248	ORGANIC	GELC	CAPA-12-13260	04/25/2012	R-37 S1	929.3	950
12-1249	ORGANIC	GELC	CAPA-12-13263	04/26/2012	R-55 S1	860	880.6
12-1249	ORGANIC	GELC	CAPA-12-13264	04/26/2012	R-55 S2	994.4	1015.4
12-1249	ORGANIC	GELC	CAPA-12-13349	04/26/2012	R-55 S1	860	880.6
12-1250	ORGANIC	GELC	CAPA-12-13233	04/26/2012	R-40 S1	751.59	785.06
12-1250	ORGANIC	GELC	CAPA-12-13237	04/26/2012	R-49 S1	845	855
12-1251	ORGANIC	GELC	CAPA-12-13261	04/27/2012	R-37 S2	1026	1046.6
12-1252	ORGANIC	GELC	CAPA-12-13241	04/27/2012	R-52 S1	1035.2	1055.7
12-1252	ORGANIC	GELC	CAPA-12-13242	04/27/2012	R-52 S2	1107	1117
12-1255	RAD	ARSL	CAPA-12-13260	04/25/2012	R-37 S1	929.3	950
12-1256	RAD	ARSL	CAPA-12-13233	04/26/2012	R-40 S1	751.59	785.06
12-1256	RAD	ARSL	CAPA-12-13237	04/26/2012	R-49 S1	845	855
12-1257	RAD	ARSL	CAPA-12-13263	04/26/2012	R-55 S1	860	880.6
12-1257	RAD	ARSL	CAPA-12-13264	04/26/2012	R-55 S2	994.4	1015.4
12-1257	RAD	ARSL	CAPA-12-13349	04/26/2012	R-55 S1	860	880.6
12-1258	RAD	ARSL	CAPA-12-13241	04/27/2012	R-52 S1	1035.2	1055.7
12-1258	RAD	ARSL	CAPA-12-13242	04/27/2012	R-52 S2	1107	1117
12-1259	RAD	ARSL	CAPA-12-13261	04/27/2012	R-37 S2	1026	1046.6

Periodic Monitoring Report for TA-54 Monitoring Group

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
12-1260	RAD	ARSL	CAPA-12-13227	04/30/2012	R-23	816	873.2
12-1260	RAD	ARSL	CAPA-12-13230	04/30/2012	R-23i S3	524	547
12-1261	RAD	ARSL	CAPA-12-13348	04/30/2012	R-55i	510	531.1
12-1261	RAD	ARSL	CAPA-12-13265	04/30/2012	R-55i	510	531.1
12-1262	RAD	ARSL	CAPA-12-13248	04/25/2012	R-56 S2	1046.6	1067.1
12-1262	RAD	ARSL	CAPA-12-13231	04/25/2012	R-32 S1	867.5	875.2
12-1262	RAD	ARSL	CAPA-12-13247	04/25/2012	R-56 S1	945	965.6
12-1262	RAD	ARSL	CAPA-12-13232	04/25/2012	R-39	859	869
12-1268	INORGANIC	GELC	CAPA-12-13348	04/30/2012	R-55i	510	531.1
12-1268	INORGANIC	GELC	CAPA-12-13265	04/30/2012	R-55i	510	531.1
12-1268	INORGANIC	GELC	CAPA-12-13272	04/30/2012	R-55i	510	531.1
12-1268	INORGANIC	GELC	CAPA-12-13350	04/30/2012	R-55i	510	531.1
12-1268	ORGANIC	GELC	CAPA-12-13348	04/30/2012	R-55i	510	531.1
12-1268	ORGANIC	GELC	CAPA-12-13265	04/30/2012	R-55i	510	531.1
12-1269	ORGANIC	GELC	CAPA-12-13227	04/30/2012	R-23	816	873.2
12-1269	ORGANIC	GELC	CAPA-12-13230	04/30/2012	R-23i S3	524	547
12-1271	RAD	ARSL	CAPA-12-13226	05/01/2012	R-20 S2	1147.1	1154.7
12-1271	RAD	ARSL	CAPA-12-13234	05/01/2012	R-40 S2	849.27	870
12-1271	RAD	ARSL	CAPA-12-13405	05/01/2012	R-49 S2	905.6	926.4
12-1271	RAD	ARSL	CAPA-12-13229	05/01/2012	R-23i S2	470.2	480.1
12-1271	RAD	ARSL	CAPA-12-13238	05/01/2012	R-49 S2	905.6	926.4
12-1272	ORGANIC	GELC	CAPA-12-13234	05/01/2012	R-40 S2	849.27	870
12-1272	ORGANIC	GELC	CAPA-12-13226	05/01/2012	R-20 S2	1147.1	1154.7
12-1272	ORGANIC	GELC	CAPA-12-13405	05/01/2012	R-49 S2	905.6	926.4
12-1272	ORGANIC	GELC	CAPA-12-13229	05/01/2012	R-23i S2	470.2	480.1
12-1272	ORGANIC	GELC	CAPA-12-13238	05/01/2012	R-49 S2	905.6	926.4
12-1275	ORGANIC	GELC	CAPA-12-13259	05/02/2012	R-21	888.8	906.8
12-1279	ORGANIC	GELC	CAPA-12-13225	05/03/2012	R-20 S1	904.6	912.2
12-1285	ORGANIC	GELC	CAPA-12-13406	05/04/2012	R-54 S1	830	840
12-1285	ORGANIC	GELC	CAPA-12-13245	05/04/2012	R-54 S1	830	840
12-1285	ORGANIC	GELC	CAPA-12-13246	05/04/2012	R-54 S2	915	925
12-1288	ORGANIC	GELC	CAPA-12-13235	05/07/2012	R-40 Si	649.67	669.02
12-1289	RAD	ARSL	CAPA-12-13235	05/07/2012	R-40 Si	649.67	669.02
12-1290	RAD	ARSL	CAPA-12-13259	05/02/2012	R-21	888.8	906.8
12-1291	RAD	ARSL	CAPA-12-13225	05/03/2012	R-20 S1	904.6	912.2
12-1292	RAD	ARSL	CAPA-12-13245	05/04/2012	R-54 S1	830	840
12-1292	RAD	ARSL	CAPA-12-13246	05/04/2012	R-54 S2	915	925

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
12-1292	RAD	ARSL	CAPA-12-13406	05/04/2012	R-54 S1	830	840
12-1302	ORGANIC	GELC	CAPA-12-13228	05/10/2012	R-23i S1	400.3	420

^a GELC = General Engineering Laboratories, Inc., Charleston, SC.

^b RAD = Radiochemistry (not gamma).

^c ARSL = American Radiation Services–Primary.

