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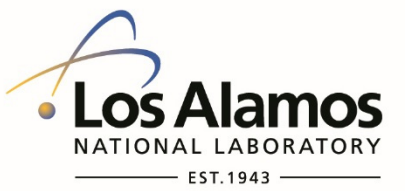
Periodic Monitoring Report for Technical Area 54 Monitoring Group, Third Quarter, Monitoring Year 2015



Prepared by the Environmental Programs Directorate

EP2015-0119

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Responsible project manager:

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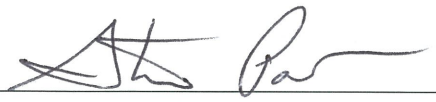
Steve Paris		Project Manager	Environmental Remediation Program	8/15/2015

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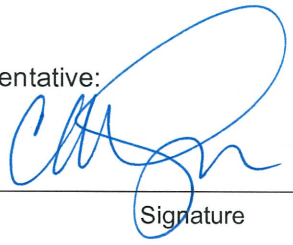
Christine Gelles		Acting Manager	DOE-EM-LA	8/26/2015

EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the monitoring year 2015, third quarter, periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Technical Area 54 monitoring group. This PME was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2015 Monitoring Year, October 2014–September 2015, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from April 6 to April 23, 2015, and included the monitoring of groundwater wells and well screens. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of a PME are also included in this report.

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

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

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

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Acronyms and Abbreviations

amsl	above mean sea level
AOC	area of concern
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CFR	Code of Federal Regulations (U.S.)
Consent Order	Compliance Order on Consent
DCS	Derived Concentration Technical Standard (DOE)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
ESH	Environment, Safety, and Health (Directorate)
gpm	gallons per minute
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
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
QC	quality control
SOP	standard operating procedure
SWMU	solid waste management unit
TA	technical area
Y	yes (best value flag code)

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of monitoring year 2015, third quarter, semiannual groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Technical Area 54 (TA-54) monitoring group. Monitoring was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2015 Monitoring Year, October 2014–September 2015 (2015 IFGMP) (LANL 2014, 256728), which was prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from April 6 to April 23, 2015, and included sampling of groundwater wells and well screens.

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

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

This report presents the following information:

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

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

1.1 Background

At TA-54, groundwater monitoring is conducted to support both (1) the corrective measures process for solid waste management units (SWMUs) and areas of concern (AOCs) (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. A total of 47 SWMUs and AOCs are located within TA-54.

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

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

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

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

2.0 SCOPE OF ACTIVITIES

The PME for the TA-54 monitoring group was conducted pursuant to the 2015 IFGMP (LANL 2014, 256728).

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

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the PME are documented in the 2015 IFGMP (LANL 2014, 256728).

3.2 Field Parameter Results

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

3.3 Groundwater Elevations

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

3.4 Deviations from Planned Scope

Table 3.4-1 describes the fieldwork deviations from the planned scope of the PME. Table 3.4-2 presents a list of analytes for which the method detection limits (MDLs) are greater than screening levels. Some of the analytes were measured using more than one analytical method or analytical laboratory, leading to a range of MDLs. For some of these analytes, the MDL is much lower than for earlier analyses. Table 3.4-3 presents a list of analytes for which the MDLs are now below screening levels. The tables apply to the results with the lowest MDL, so the analytical method and analytical laboratory are included in the tables for reference.

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 2015 IFGMP (LANL 2014, 256728). Purge water is managed and characterized in accordance with the waste characterization strategy form associated with the well and ENV-RCRA-QP-010.3, Land Application of Groundwater. ENV-RCRA-QP-010.3 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling of purge water.

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

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

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

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

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

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

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

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

4.2 Analytical Data

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

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

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

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

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

- The base-flow monitoring locations are assigned to one of two screening categories—perennial or ephemeral. Along with a hardness value, this category determines the screening levels used for data at each monitoring location. Hardness-dependent screening levels used to screen data at each base-flow monitoring location are determined using the geometric mean of hardness data (mg/L as calcium carbonate) collected from 2006 to 2010 at each location. Hardness-dependent acute and chronic criteria were used for total aluminum and dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc in accordance with the requirements of 20 New Mexico Administrative Code (NMAC) 6.4.900.
- 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. This report was prepared using the June 2015 EPA regional screening levels.
- 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 Technical Standards (DCSs) 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 are included in the table except for field duplicate exceedances. For example, if aluminum was detected above a screening level in both a primary sample and a field duplicate, only the primary sample result is shown. If aluminum was detected above a screening level in two primary samples, both results are 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. Appendix E contains all locations where screening levels were exceeded, not just those scheduled to be sampled during this PME. 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 reported in this PMR were above screening levels. No results for the current PME were above screening levels.

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 groundwater monitoring locations reported in this PMR were above screening levels. No results from groundwater samples collected during this PME were above screening levels.

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 or ESH ID. This information is also included in text citations. ER IDs were assigned by the Environmental Programs Directorate's Records Processing Facility (IDs through 599999), and ESH IDs are assigned by the Environment, Safety, and Health (ESH) Directorate (IDs 600000 and above). IDs are used to locate documents in the Laboratory's Electronic Document Management System and, where applicable, in the master reference set.

Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau and the ESH 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), 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), May 2014. "Interim Facility-Wide Groundwater Monitoring Plan for the 2015 Monitoring Year, October 2014–September 2015," Los Alamos National Laboratory document LA-UR-14-23327, Los Alamos, New Mexico. (LANL 2014, 256728)

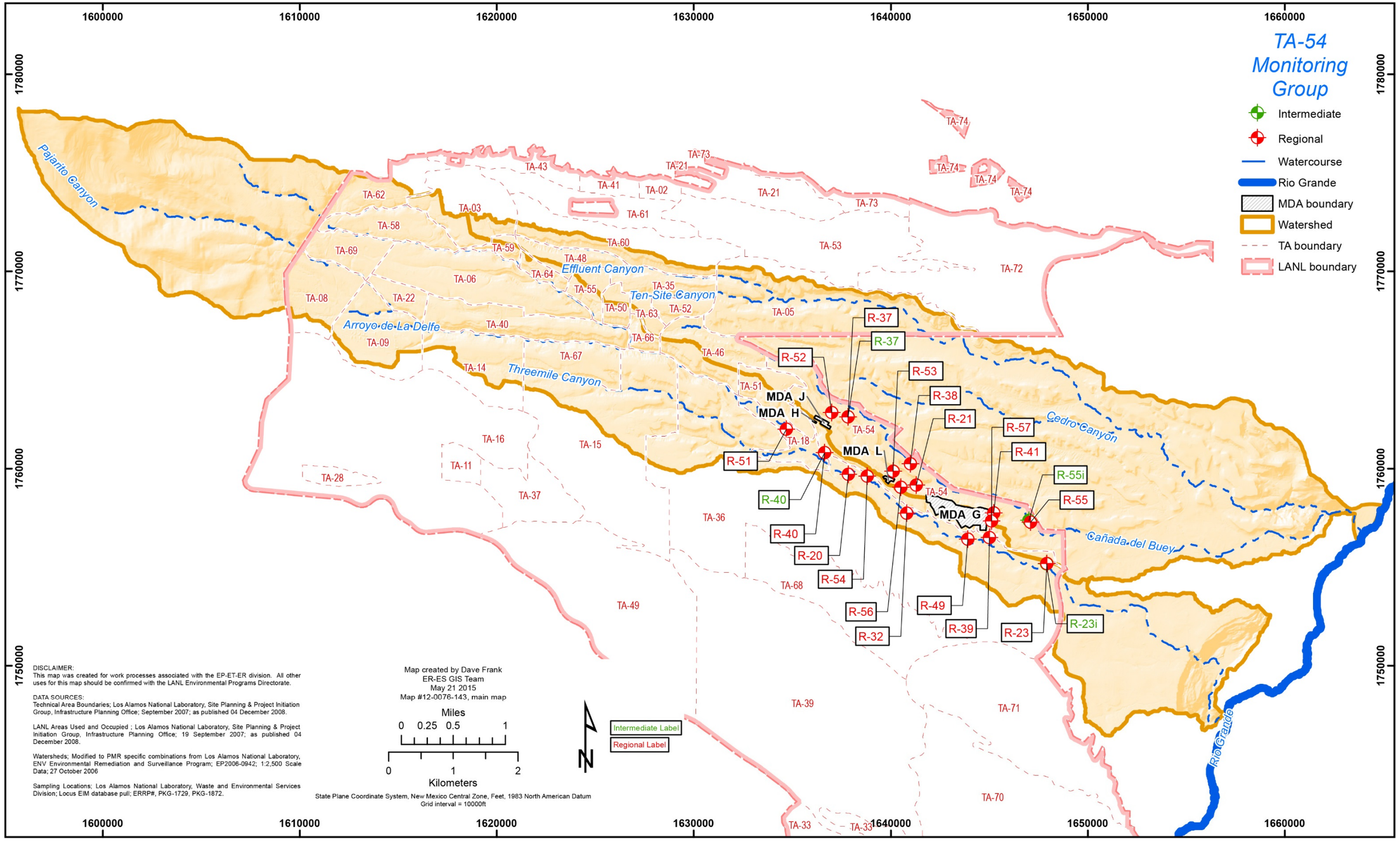


Figure 2.0-1 Locations scheduled to be monitored for this PME (see Table 3.4-1)

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[a])
Intermediate							
R-23i S1	04/07/15	19.7	400.3	420	3.3	12.72	1.06
R-23i S2	04/07/15	9.9	470.2	480.1	35.7	108	1
R-23i S3	04/08/15	23	524	547	39.4	120.6	1.8
R-37 S1	04/08/15	20.7	929.3	950	50.8	153	0.64
R-40 S1	04/13/15	33.47	751.59	785.06	31.4	32.45	0.55
R-40 Si	04/13/15	19.35	649.67	669.02	12.8	39.6	0.66
R-55i	04/07/15	21.1	510	531.1	43.8	160	2.46
Regional							
R-20 S1	04/21/15	7.6	904.6	912.2	70.3	211.2	0.8
R-20 S2	04/16/15	7.6	1147.1	1154.7	41.1	124.6	1.64
R-21	04/06/15	18	888.8	906.8	201.7	607.2	3.3
R-23	04/08/15	57.2	816	873.2	45.03	160.65	10.71
R-32 S1	04/17/15	7.7	867.5	875.2	87.8	264	2.2
R-37 S2	04/09/15	20.6	1026	1046.6	52	167.4	9.3
R-38	04/07/15	10	821.2	831.2	41.1	125.5	3.06
R-39	04/23/15	10	859	869	48.02	145	1.96
R-40 S2	04/10/15	20.73	849.27	870	38.2	145.2	2.2
R-41 S2	04/23/15	9.7	965.3	975	35.78	111.3	2.65
R-49 S1	04/10/15	10	845	855	77.9	271.4	2.33
R-49 S2	04/09/15	20.8	905.6	926.4	58.1	176.3	2.26
R-51 S1	04/23/15	10.28	914.96	925.24	60.3	182.4	3.8
R-51 S2	04/23/15	10.04	1030.96	1041	91.1	273.8	3.7
R-52 S1	04/09/15	20.5	1035.24	1055.7	62.7	231	3.3
R-52 S2	04/09/15	10	1107	1117	43.04	132	3.3
R-53 S1	04/16/15	10	849.2	859.2	76.3	231	3.85
R-53 S2	04/16/15	20.5	959.7	980.2	94.5	285	3.75
R-54 S1	04/14/15	10	830	840	52.98	159	3
R-54 S2	04/14/15	10	915	925	61.2	186	3
R-55 S1	04/20/15	20.6	860	880.6	111.3	334.6	2.86
R-55 S2	04/20/15	21	994.4	1015.4	72.4	218.4	2.8
R-56 S1	04/22/15	20.6	945	965.6	81.86	248	4
R-56 S2	n/a[b]	20.5	1046.6	1067.1	68.75	214.2	4.2
R-57 S1	04/15/15	20.5	910	930.5	70.69	219.6	3.6
R-57 S2	04/15/15	20.6	971.5	992.1	51	154.8	3.6

[a] gpm = Gallons per minute.

[b] n/a = Not applicable.

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

Location	Deviation	Cause	Comment
R-56 S2	No samples collected	Equipment failure prevented collection of a representative sample. The packer was repaired and reinflated.	The screen will be sampled during the next scheduled PME.
R-57 S2	A partial set of water-level measurements was plotted for the current PME.	Equipment failure prevented representative water-level data collection on 10/16/14.	A new transducer was installed on 07/01/15.

*n/a = Not applicable.

Table 3.4-2
Target Analytes with MDLs above Screening Levels for Current PME

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
Semivolatile Organic Compounds						
Azobenzene	3	SW-846:8270D	1.2	µg/L	EPA Tap Water Screening Level	GELC*
Benzidine	3.9	SW-846:8270D	0.0011	µg/L	EPA Tap Water Screening Level	GELC
Benzo(a)anthracene	0.3	SW-846:8270D	0.12	µg/L	EPA Tap Water Screening Level	GELC
Benzo(a)pyrene	0.3	SW-846:8270D	0.2	µg/L	EPA Tap Water Screening Level	GELC
Bis(2-chloroethyl)ether	3	SW-846:8270D	0.14	µg/L	EPA Tap Water Screening Level	GELC
Dibenz(a,h)anthracene	0.3	SW-846:8270D	0.034	µg/L	EPA Tap Water Screening Level	GELC
Dichlorobenzidine[3,3'-]	3	SW-846:8270D	1.2	µg/L	EPA Tap Water Screening Level	GELC
Dinitro-2-methylphenol[4,6-]	3	SW-846:8270D	1.5	µg/L	EPA Tap Water Screening Level	GELC
Hexachlorobenzene	3	SW-846:8270D	1	µg/L	EPA Tap Water Screening Level	GELC
Nitrosodiethylamine[N-]	3	SW-846:8270D	0.0017	µg/L	EPA Tap Water Screening Level	GELC
Nitrosodimethylamine[N-]	3	SW-846:8270D	0.00112	µg/L	EPA Tap Water Screening Level	GELC
Nitroso-di-n-butylamine[N-]	3	SW-846:8270D	0.027	µg/L	EPA Tap Water Screening Level	GELC
Nitroso-di-n-propylamine[N-]	3	SW-846:8270D	0.11	µg/L	EPA Tap Water Screening Level	GELC
Nitrosopyrrolidine[N-]	3	SW-846:8270D	0.37	µg/L	EPA Tap Water Screening Level	GELC
Pentachlorophenol	3	SW-846:8270D	1	µg/L	EPA Tap Water Screening Level	GELC
Volatile Organic Compounds						
Acrolein	1.5	SW-846:8260B	0.042	µg/L	EPA Tap Water Screening Level	GELC
Acrylonitrile	1–1.5	SW-846:8260B	0.52	µg/L	EPA Tap Water Screening Level	GELC
Chloro-1,3-butadiene[2-]	0.2–0.3	SW-846:8260B	0.19	µg/L	EPA Tap Water Screening Level	GELC
Dibromo-3-Chloropropane[1,2-]	0.5	SW-846:8260B	0.2	µg/L	EPA Tap Water Screening Level	GELC
Dibromoethane[1,2-]	0.3	SW-846:8260B	0.05	µg/L	EPA Tap Water Screening Level	GELC
Trichloropropane[1,2,3-]	0.3	SW-846:8260B	0.0075	µg/L	EPA Tap Water Screening Level	GELC

Note: This table is applicable to samples reported in this PMR.
*GELC = General Engineering Laboratories, Inc., Charleston, SC.

Table 3.4-3
Target Analytes with MDLs below Screening Levels for Current PME

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
Semivolatile Organic Compounds						
Atrazine	3	SW-846:8270D	3	µg/L	EPA Tap Water Screening Level	GELC*
Benzo(b)fluoranthene	0.3	SW-846:8270D	0.34	µg/L	EPA Tap Water Screening Level	GELC
Indeno(1,2,3-cd)pyrene	0.3	SW-846:8270D	0.34	µg/L	EPA Tap Water Screening Level	GELC
Oxybis(1-chloropropane)[2,2'-]	3	SW-846:8270D	3.6	µg/L	EPA Tap Water Screening Level	GELC
Volatile Organic Compounds						
Methacrylonitrile	1–1.5	SW-846:8270D	1.9	µg/L	EPA Tap Water Screening Level	GELC

Note: This table is applicable to samples reported in this PMR.
*GELC = General Engineering Laboratories, Inc., Charleston, SC.

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 458.1	DOE BCGs	n/a[a]	X[b]
DOE Order 458.1	DOE 100-mrem Public Dose DCS	X	n/a
DOE Order 458.1	DOE 4-mrem Drinking Water DCS	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 6.2.3103	NMWQCC Groundwater Standard	X	n/a
20 NMAC 6.4.900.C	NMWQCC Irrigation Standard	n/a	X
20 NMAC 6.4.900.F	NMWQCC Livestock Watering Standard	n/a	X
20 NMAC 6.4.900.G	NMWQCC Wildlife Habitat Standard	n/a	X
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Standards Acute	n/a	X[d,e]
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Standards Chronic	n/a	X[d,e]
20 NMAC 6.4.900.H	NMWQCC Aquatic Life 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.
[d] Hardness-based standards for total recoverable aluminum and dissolved chromium(III) conservatively compared to results for total aluminum and dissolved chromium, respectively.
[e] Standard for dissolved chromium(VI) conservatively compared to results for dissolved chromium.

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
Regional Aquifer							
n/a*	n/a	No results above screening levels for this PME	n/a	n/a	n/a	n/a	n/a

*n/a = Not applicable.

Appendix A

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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-20 S1	904.6	04/21/15	WG[a]	Dissolved Oxygen	2.87	mg/L	CAPA-15-93442
R-20 S1	904.6	10/31/14	WG	Dissolved Oxygen	2.87	mg/L	CAPA-14-87182
R-20 S1	904.6	04/03/14	WG	Dissolved Oxygen	2.38	mg/L	CAPA-14-57731
R-20 S1	904.6	12/17/13	WG	Dissolved Oxygen	2.18	mg/L	CAPA-14-49376
R-20 S1	904.6	04/10/13	WG	Dissolved Oxygen	1.92	mg/L	CAPA-13-29560
R-20 S1	904.6	04/21/15	WG	Flow (in gpm[b])	0.8	gpm	CAPA-15-93442
R-20 S1	904.6	10/31/14	WG	Flow (in gpm)	0.66	gpm	CAPA-14-87182
R-20 S1	904.6	04/03/14	WG	Flow (in gpm)	0.7	gpm	CAPA-14-57731
R-20 S1	904.6	07/27/11	WG	Flow (in gpm)	0.46	gpm	CAPA-11-22877
R-20 S1	904.6	04/20/11	WG	Flow (in gpm)	0.38	gpm	CAPA-11-9309
R-20 S1	904.6	04/21/15	WG	Oxidation-Reduction Potential	-17.8	mV	CAPA-15-93442
R-20 S1	904.6	10/31/14	WG	Oxidation-Reduction Potential	19.3	mV	CAPA-14-87182
R-20 S1	904.6	04/03/14	WG	Oxidation-Reduction Potential	-43.4	mV	CAPA-14-57731
R-20 S1	904.6	12/17/13	WG	Oxidation-Reduction Potential	-19.2	mV	CAPA-14-49376
R-20 S1	904.6	04/10/13	WG	Oxidation-Reduction Potential	-149.2	mV	CAPA-13-29560
R-20 S1	904.6	04/21/15	WG	pH	8.35	SU[c]	CAPA-15-93442
R-20 S1	904.6	10/31/14	WG	pH	8.38	SU	CAPA-14-87182
R-20 S1	904.6	04/03/14	WG	pH	8.26	SU	CAPA-14-57731
R-20 S1	904.6	12/17/13	WG	pH	8.28	SU	CAPA-14-49376
R-20 S1	904.6	04/10/13	WG	pH	8.43	SU	CAPA-13-29560
R-20 S1	904.6	04/21/15	WG	Specific Conductance	139	µS/cm	CAPA-15-93442
R-20 S1	904.6	10/31/14	WG	Specific Conductance	138	µS/cm	CAPA-14-87182
R-20 S1	904.6	04/03/14	WG	Specific Conductance	140	µS/cm	CAPA-14-57731
R-20 S1	904.6	12/17/13	WG	Specific Conductance	142	µS/cm	CAPA-14-49376
R-20 S1	904.6	04/10/13	WG	Specific Conductance	139	µS/cm	CAPA-13-29560
R-20 S1	904.6	04/21/15	WG	Temperature	19.03	deg C	CAPA-15-93442
R-20 S1	904.6	10/31/14	WG	Temperature	18.43	deg C	CAPA-14-87182
R-20 S1	904.6	04/03/14	WG	Temperature	18.14	deg C	CAPA-14-57731

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-20 S1	904.6	12/17/13	WG	Temperature	17.29	deg C	CAPA-14-49376
R-20 S1	904.6	04/10/13	WG	Temperature	17.7	deg C	CAPA-13-29560
R-20 S1	904.6	04/21/15	WG	Turbidity	2.7	NTU[d]	CAPA-15-93442
R-20 S1	904.6	10/31/14	WG	Turbidity	6	NTU	CAPA-14-87182
R-20 S1	904.6	04/03/14	WG	Turbidity	2.43	NTU	CAPA-14-57731
R-20 S1	904.6	12/17/13	WG	Turbidity	0.3	NTU	CAPA-14-49376
R-20 S1	904.6	04/10/13	WG	Turbidity	1.1	NTU	CAPA-13-29560
R-20 S2	1147.1	04/16/15	WG	Dissolved Oxygen	2.71	mg/L	CAPA-15-93443
R-20 S2	1147.1	10/20/14	WG	Dissolved Oxygen	2.65	mg/L	CAPA-14-87183
R-20 S2	1147.1	04/01/14	WG	Dissolved Oxygen	3.26	mg/L	CAPA-14-57732
R-20 S2	1147.1	12/06/13	WG	Dissolved Oxygen	2.5	mg/L	CAPA-14-49377
R-20 S2	1147.1	04/08/13	WG	Dissolved Oxygen	2.56	mg/L	CAPA-13-29561
R-20 S2	1147.1	04/08/13	WG	Dissolved Oxygen	3.28	mg/L	CAPA-13-30294
R-20 S2	1147.1	04/16/15	WG	Flow (in gpm)	1.64	gpm	CAPA-15-93443
R-20 S2	1147.1	10/20/14	WG	Flow (in gpm)	1.6	gpm	CAPA-14-87183
R-20 S2	1147.1	04/01/14	WG	Flow (in gpm)	1.6	gpm	CAPA-14-57732
R-20 S2	1147.1	12/06/13	WG	Flow (in gpm)	1.6	gpm	CAPA-14-49377
R-20 S2	1147.1	10/27/11	WG	Flow (in gpm)	1.56	gpm	CAPA-12-1138
R-20 S2	1147.1	04/16/15	WG	Oxidation-Reduction Potential	0.4	mV	CAPA-15-93443
R-20 S2	1147.1	10/20/14	WG	Oxidation-Reduction Potential	-14.3	mV	CAPA-14-87183
R-20 S2	1147.1	04/01/14	WG	Oxidation-Reduction Potential	-7.1	mV	CAPA-14-57732
R-20 S2	1147.1	12/06/13	WG	Oxidation-Reduction Potential	-20.9	mV	CAPA-14-49377
R-20 S2	1147.1	04/08/13	WG	Oxidation-Reduction Potential	-141	mV	CAPA-13-29561
R-20 S2	1147.1	04/08/13	WG	Oxidation-Reduction Potential	-118.7	mV	CAPA-13-30294
R-20 S2	1147.1	04/16/15	WG	pH	7.93	SU	CAPA-15-93443
R-20 S2	1147.1	10/20/14	WG	pH	7.69	SU	CAPA-14-87183
R-20 S2	1147.1	04/01/14	WG	pH	7.83	SU	CAPA-14-57732
R-20 S2	1147.1	12/06/13	WG	pH	7.71	SU	CAPA-14-49377

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-20 S2	1147.1	04/08/13	WG	pH	7.93	SU	CAPA-13-29561
R-20 S2	1147.1	04/08/13	WG	pH	7.95	SU	CAPA-13-30294
R-20 S2	1147.1	04/16/15	WG	Specific Conductance	148	µS/cm	CAPA-15-93443
R-20 S2	1147.1	10/20/14	WG	Specific Conductance	148	µS/cm	CAPA-14-87183
R-20 S2	1147.1	04/01/14	WG	Specific Conductance	147	µS/cm	CAPA-14-57732
R-20 S2	1147.1	12/06/13	WG	Specific Conductance	147	µS/cm	CAPA-14-49377
R-20 S2	1147.1	04/08/13	WG	Specific Conductance	140	µS/cm	CAPA-13-29561
R-20 S2	1147.1	04/08/13	WG	Specific Conductance	132	µS/cm	CAPA-13-30294
R-20 S2	1147.1	04/16/15	WG	Temperature	19.84	deg C	CAPA-15-93443
R-20 S2	1147.1	10/20/14	WG	Temperature	19.98	deg C	CAPA-14-87183
R-20 S2	1147.1	04/01/14	WG	Temperature	20.58	deg C	CAPA-14-57732
R-20 S2	1147.1	12/06/13	WG	Temperature	17.8	deg C	CAPA-14-49377
R-20 S2	1147.1	04/08/13	WG	Temperature	19.47	deg C	CAPA-13-29561
R-20 S2	1147.1	04/08/13	WG	Temperature	20.06	deg C	CAPA-13-30294
R-20 S2	1147.1	04/16/15	WG	Turbidity	0.45	NTU	CAPA-15-93443
R-20 S2	1147.1	10/20/14	WG	Turbidity	0.45	NTU	CAPA-14-87183
R-20 S2	1147.1	04/01/14	WG	Turbidity	0.8	NTU	CAPA-14-57732
R-20 S2	1147.1	12/06/13	WG	Turbidity	0.2	NTU	CAPA-14-49377
R-20 S2	1147.1	04/08/13	WG	Turbidity	0.16	NTU	CAPA-13-29561
R-20 S2	1147.1	04/08/13	WG	Turbidity	0.22	NTU	CAPA-13-30294
R-21	888.8	04/06/15	WG	Dissolved Oxygen	6.46	mg/L	CAMO-15-94134
R-21	888.8	10/23/14	WG	Dissolved Oxygen	6.2	mg/L	CAMO-14-87134
R-21	888.8	04/11/14	WG	Dissolved Oxygen	6.29	mg/L	CAMO-14-57540
R-21	888.8	12/09/13	WG	Dissolved Oxygen	6.4	mg/L	CAMO-14-49327
R-21	888.8	04/22/13	WG	Dissolved Oxygen	6.24	mg/L	CAMO-13-29625
R-21	888.8	04/06/15	WG	Flow (in gpm)	3.3	gpm	CAMO-15-94134
R-21	888.8	10/23/14	WG	Flow (in gpm)	3.1	gpm	CAMO-14-87134
R-21	888.8	04/11/14	WG	Flow (in gpm)	3.06	gpm	CAMO-14-57540

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-21	888.8	11/03/11	WG	Flow (in gpm)	3.2	gpm	CAPA-12-1173
R-21	888.8	07/21/11	WG	Flow (in gpm)	3.2	gpm	CAPA-11-22884
R-21	888.8	04/06/15	WG	Oxidation-Reduction Potential	216.3	mV	CAMO-15-94134
R-21	888.8	10/23/14	WG	Oxidation-Reduction Potential	152.8	mV	CAMO-14-87134
R-21	888.8	04/11/14	WG	Oxidation-Reduction Potential	16.6	mV	CAMO-14-57540
R-21	888.8	12/09/13	WG	Oxidation-Reduction Potential	91.4	mV	CAMO-14-49327
R-21	888.8	04/22/13	WG	Oxidation-Reduction Potential	121.8	mV	CAMO-13-29625
R-21	888.8	04/06/15	WG	pH	8.01	SU	CAMO-15-94134
R-21	888.8	10/23/14	WG	pH	7.81	SU	CAMO-14-87134
R-21	888.8	04/11/14	WG	pH	7.91	SU	CAMO-14-57540
R-21	888.8	12/09/13	WG	pH	7.98	SU	CAMO-14-49327
R-21	888.8	04/22/13	WG	pH	7.93	SU	CAMO-13-29625
R-21	888.8	04/06/15	WG	Specific Conductance	129	µS/cm	CAMO-15-94134
R-21	888.8	10/23/14	WG	Specific Conductance	128	µS/cm	CAMO-14-87134
R-21	888.8	04/11/14	WG	Specific Conductance	126	µS/cm	CAMO-14-57540
R-21	888.8	12/09/13	WG	Specific Conductance	126	µS/cm	CAMO-14-49327
R-21	888.8	04/22/13	WG	Specific Conductance	124	µS/cm	CAMO-13-29625
R-21	888.8	04/06/15	WG	Temperature	21.51	deg C	CAMO-15-94134
R-21	888.8	10/23/14	WG	Temperature	21.66	deg C	CAMO-14-87134
R-21	888.8	04/11/14	WG	Temperature	21.42	deg C	CAMO-14-57540
R-21	888.8	12/09/13	WG	Temperature	19.93	deg C	CAMO-14-49327
R-21	888.8	04/22/13	WG	Temperature	21.99	deg C	CAMO-13-29625
R-21	888.8	04/06/15	WG	Turbidity	0.25	NTU	CAMO-15-94134
R-21	888.8	10/23/14	WG	Turbidity	0.43	NTU	CAMO-14-87134
R-21	888.8	04/11/14	WG	Turbidity	0.23	NTU	CAMO-14-57540
R-21	888.8	12/09/13	WG	Turbidity	0	NTU	CAMO-14-49327
R-21	888.8	04/22/13	WG	Turbidity	0	NTU	CAMO-13-29625
R-23	816	04/08/15	WG	Dissolved Oxygen	6.54	mg/L	CAPA-15-93444

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-23	816	01/13/15	WG	Dissolved Oxygen	6.93	mg/L	CAPA-15-92458
R-23	816	01/09/15	WG	Dissolved Oxygen	6.86	mg/L	CAPA-15-91441
R-23	816	10/17/14	WG	Dissolved Oxygen	6.86	mg/L	CAPA-14-87184
R-23	816	07/14/14	WG	Dissolved Oxygen	6.79	mg/L	CAPA-14-81480
R-23	816	04/08/15	WG	Flow (in gpm)	10.71	gpm	CAPA-15-93444
R-23	816	01/13/15	WG	Flow (in gpm)	11.1	gpm	CAPA-15-92458
R-23	816	01/09/15	WG	Flow (in gpm)	11.53	gpm	CAPA-15-91441
R-23	816	10/17/14	WG	Flow (in gpm)	10.7	gpm	CAPA-14-87184
R-23	816	07/14/14	WG	Flow (in gpm)	11.1	gpm	CAPA-14-81480
R-23	816	04/08/15	WG	Oxidation-Reduction Potential	182.7	mV	CAPA-15-93444
R-23	816	01/13/15	WG	Oxidation-Reduction Potential	-74.4	mV	CAPA-15-92458
R-23	816	01/09/15	WG	Oxidation-Reduction Potential	173.7	mV	CAPA-15-91441
R-23	816	10/17/14	WG	Oxidation-Reduction Potential	160	mV	CAPA-14-87184
R-23	816	07/14/14	WG	Oxidation-Reduction Potential	91.6	mV	CAPA-14-81480
R-23	816	04/08/15	WG	pH	7.96	SU	CAPA-15-93444
R-23	816	01/13/15	WG	pH	7.91	SU	CAPA-15-92458
R-23	816	01/09/15	WG	pH	8	SU	CAPA-15-91441
R-23	816	10/17/14	WG	pH	8.08	SU	CAPA-14-87184
R-23	816	07/14/14	WG	pH	8.04	SU	CAPA-14-81480
R-23	816	04/08/15	WG	Specific Conductance	170	µS/cm	CAPA-15-93444
R-23	816	01/13/15	WG	Specific Conductance	168	µS/cm	CAPA-15-92458
R-23	816	01/09/15	WG	Specific Conductance	170	µS/cm	CAPA-15-91441
R-23	816	10/17/14	WG	Specific Conductance	171	µS/cm	CAPA-14-87184
R-23	816	07/14/14	WG	Specific Conductance	175	µS/cm	CAPA-14-81480
R-23	816	04/08/15	WG	Temperature	20.92	deg C	CAPA-15-93444
R-23	816	01/13/15	WG	Temperature	18.66	deg C	CAPA-15-92458
R-23	816	01/09/15	WG	Temperature	18.55	deg C	CAPA-15-91441
R-23	816	10/17/14	WG	Temperature	21.46	deg C	CAPA-14-87184

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-23	816	07/14/14	WG	Temperature	22.01	deg C	CAPA-14-81480
R-23	816	04/08/15	WG	Turbidity	0.95	NTU	CAPA-15-93444
R-23	816	01/13/15	WG	Turbidity	1.1	NTU	CAPA-15-92458
R-23	816	01/09/15	WG	Turbidity	1.5	NTU	CAPA-15-91441
R-23	816	10/17/14	WG	Turbidity	0.8	NTU	CAPA-14-87184
R-23	816	07/14/14	WG	Turbidity	0.5	NTU	CAPA-14-81480
R-23i S1	400.3	04/07/15	WG	Dissolved Oxygen	6.54	mg/L	CAPA-15-93445
R-23i S1	400.3	10/20/14	WG	Dissolved Oxygen	6.78	mg/L	CAPA-14-87185
R-23i S1	400.3	04/16/14	WG	Dissolved Oxygen	6.54	mg/L	CAPA-14-57734
R-23i S1	400.3	12/03/13	WG	Dissolved Oxygen	6.59	mg/L	CAPA-14-49379
R-23i S1	400.3	04/22/13	WG	Dissolved Oxygen	6.61	mg/L	CAPA-13-29563
R-23i S1	400.3	04/07/15	WG	Flow (in gpm)	1.06	gpm	CAPA-15-93445
R-23i S1	400.3	10/20/14	WG	Flow (in gpm)	1	gpm	CAPA-14-87185
R-23i S1	400.3	04/16/14	WG	Flow (in gpm)	1.3	gpm	CAPA-14-57734
R-23i S1	400.3	11/04/11	WG	Flow (in gpm)	0.9	gpm	CAPA-12-1113
R-23i S1	400.3	07/25/11	WG	Flow (in gpm)	0.4	gpm	CAPA-11-22843
R-23i S1	400.3	04/07/15	WG	Oxidation-Reduction Potential	217.6	mV	CAPA-15-93445
R-23i S1	400.3	10/20/14	WG	Oxidation-Reduction Potential	-45.9	mV	CAPA-14-87185
R-23i S1	400.3	04/16/14	WG	Oxidation-Reduction Potential	86.3	mV	CAPA-14-57734
R-23i S1	400.3	12/03/13	WG	Oxidation-Reduction Potential	130	mV	CAPA-14-49379
R-23i S1	400.3	04/22/13	WG	Oxidation-Reduction Potential	237.7	mV	CAPA-13-29563
R-23i S1	400.3	04/07/15	WG	pH	7.73	SU	CAPA-15-93445
R-23i S1	400.3	10/20/14	WG	pH	7.55	SU	CAPA-14-87185
R-23i S1	400.3	04/16/14	WG	pH	7.51	SU	CAPA-14-57734
R-23i S1	400.3	12/03/13	WG	pH	7.49	SU	CAPA-14-49379
R-23i S1	400.3	04/22/13	WG	pH	7.66	SU	CAPA-13-29563
R-23i S1	400.3	04/07/15	WG	Specific Conductance	307	µS/cm	CAPA-15-93445
R-23i S1	400.3	10/20/14	WG	Specific Conductance	308	µS/cm	CAPA-14-87185

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-23i S1	400.3	04/16/14	WG	Specific Conductance	411	µS/cm	CAPA-14-57734
R-23i S1	400.3	12/03/13	WG	Specific Conductance	368	µS/cm	CAPA-14-49379
R-23i S1	400.3	04/22/13	WG	Specific Conductance	279	µS/cm	CAPA-13-29563
R-23i S1	400.3	04/07/15	WG	Temperature	15.15	deg C	CAPA-15-93445
R-23i S1	400.3	10/20/14	WG	Temperature	15.19	deg C	CAPA-14-87185
R-23i S1	400.3	04/16/14	WG	Temperature	15.15	deg C	CAPA-14-57734
R-23i S1	400.3	12/03/13	WG	Temperature	15.06	deg C	CAPA-14-49379
R-23i S1	400.3	04/22/13	WG	Temperature	14.81	deg C	CAPA-13-29563
R-23i S1	400.3	04/07/15	WG	Turbidity	1.9	NTU	CAPA-15-93445
R-23i S1	400.3	10/20/14	WG	Turbidity	2.8	NTU	CAPA-14-87185
R-23i S1	400.3	04/16/14	WG	Turbidity	8.5	NTU	CAPA-14-57734
R-23i S1	400.3	12/03/13	WG	Turbidity	4.5	NTU	CAPA-14-49379
R-23i S1	400.3	04/22/13	WG	Turbidity	23.3	NTU	CAPA-13-29563
R-23i S2	470.2	04/07/15	WG	Dissolved Oxygen	5.97	mg/L	CAPA-15-93446
R-23i S2	470.2	10/29/14	WG	Dissolved Oxygen	6.41	mg/L	CAPA-14-87186
R-23i S2	470.2	04/16/14	WG	Dissolved Oxygen	6	mg/L	CAPA-14-57735
R-23i S2	470.2	12/03/13	WG	Dissolved Oxygen	6.15	mg/L	CAPA-14-49380
R-23i S2	470.2	04/22/13	WG	Dissolved Oxygen	5.97	mg/L	CAPA-13-29564
R-23i S2	470.2	04/07/15	WG	Flow (in gpm)	1	gpm	CAPA-15-93446
R-23i S2	470.2	10/29/14	WG	Flow (in gpm)	1.17	gpm	CAPA-14-87186
R-23i S2	470.2	04/16/14	WG	Flow (in gpm)	1.2	gpm	CAPA-14-57735
R-23i S2	470.2	10/20/11	WG	Flow (in gpm)	1.2	gpm	CAPA-12-1119
R-23i S2	470.2	07/26/11	WG	Flow (in gpm)	1.1	gpm	CAPA-11-22677
R-23i S2	470.2	04/07/15	WG	Oxidation-Reduction Potential	248	mV	CAPA-15-93446
R-23i S2	470.2	10/29/14	WG	Oxidation-Reduction Potential	165.2	mV	CAPA-14-87186
R-23i S2	470.2	04/16/14	WG	Oxidation-Reduction Potential	120.3	mV	CAPA-14-57735
R-23i S2	470.2	12/03/13	WG	Oxidation-Reduction Potential	119	mV	CAPA-14-49380
R-23i S2	470.2	04/22/13	WG	Oxidation-Reduction Potential	198.7	mV	CAPA-13-29564

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-23i S2	470.2	04/07/15	WG	pH	8.23	SU	CAPA-15-93446
R-23i S2	470.2	10/29/14	WG	pH	8.2	SU	CAPA-14-87186
R-23i S2	470.2	04/16/14	WG	pH	8.13	SU	CAPA-14-57735
R-23i S2	470.2	12/03/13	WG	pH	7.95	SU	CAPA-14-49380
R-23i S2	470.2	04/22/13	WG	pH	8.15	SU	CAPA-13-29564
R-23i S2	470.2	04/07/15	WG	Specific Conductance	204	µS/cm	CAPA-15-93446
R-23i S2	470.2	10/29/14	WG	Specific Conductance	205	µS/cm	CAPA-14-87186
R-23i S2	470.2	04/16/14	WG	Specific Conductance	2.04	µS/cm	CAPA-14-57735
R-23i S2	470.2	12/03/13	WG	Specific Conductance	205	µS/cm	CAPA-14-49380
R-23i S2	470.2	04/22/13	WG	Specific Conductance	202	µS/cm	CAPA-13-29564
R-23i S2	470.2	04/07/15	WG	Temperature	16.3	deg C	CAPA-15-93446
R-23i S2	470.2	10/29/14	WG	Temperature	16.02	deg C	CAPA-14-87186
R-23i S2	470.2	04/16/14	WG	Temperature	16.41	deg C	CAPA-14-57735
R-23i S2	470.2	12/03/13	WG	Temperature	15.64	deg C	CAPA-14-49380
R-23i S2	470.2	04/22/13	WG	Temperature	15.5	deg C	CAPA-13-29564
R-23i S2	470.2	04/07/15	WG	Turbidity	0.2	NTU	CAPA-15-93446
R-23i S2	470.2	10/29/14	WG	Turbidity	1.3	NTU	CAPA-14-87186
R-23i S2	470.2	04/16/14	WG	Turbidity	1.2	NTU	CAPA-14-57735
R-23i S2	470.2	12/03/13	WG	Turbidity	6.7	NTU	CAPA-14-49380
R-23i S2	470.2	04/22/13	WG	Turbidity	7.8	NTU	CAPA-13-29564
R-23i S3	524	04/08/15	WG	Dissolved Oxygen	7.55	mg/L	CAPA-15-93447
R-23i S3	524	01/13/15	WG	Dissolved Oxygen	6.95	mg/L	CAPA-15-92459
R-23i S3	524	10/20/14	WG	Dissolved Oxygen	6.92	mg/L	CAPA-14-87187
R-23i S3	524	04/04/14	WG	Dissolved Oxygen	7.11	mg/L	CAPA-14-57736
R-23i S3	524	12/04/13	WG	Dissolved Oxygen	6.74	mg/L	CAPA-14-49381
R-23i S3	524	04/08/15	WG	Flow (in gpm)	1.8	gpm	CAPA-15-93447
R-23i S3	524	01/13/15	WG	Flow (in gpm)	1.74	gpm	CAPA-15-92459
R-23i S3	524	10/20/14	WG	Flow (in gpm)	1.54	gpm	CAPA-14-87187

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-23i S3	524	04/04/14	WG	Flow (in gpm)	1.66	gpm	CAPA-14-57736
R-23i S3	524	12/04/13	WG	Flow (in gpm)	1.6	gpm	CAPA-14-49381
R-23i S3	524	04/08/15	WG	Oxidation-Reduction Potential	133.9	mV	CAPA-15-93447
R-23i S3	524	01/13/15	WG	Oxidation-Reduction Potential	-112.8	mV	CAPA-15-92459
R-23i S3	524	10/20/14	WG	Oxidation-Reduction Potential	99.9	mV	CAPA-14-87187
R-23i S3	524	04/04/14	WG	Oxidation-Reduction Potential	87.8	mV	CAPA-14-57736
R-23i S3	524	12/04/13	WG	Oxidation-Reduction Potential	84.5	mV	CAPA-14-49381
R-23i S3	524	04/08/15	WG	pH	8.21	SU	CAPA-15-93447
R-23i S3	524	01/13/15	WG	pH	8.12	SU	CAPA-15-92459
R-23i S3	524	10/20/14	WG	pH	8.28	SU	CAPA-14-87187
R-23i S3	524	04/04/14	WG	pH	8.18	SU	CAPA-14-57736
R-23i S3	524	12/04/13	WG	pH	8.13	SU	CAPA-14-49381
R-23i S3	524	04/08/15	WG	Specific Conductance	200	µS/cm	CAPA-15-93447
R-23i S3	524	01/13/15	WG	Specific Conductance	195	µS/cm	CAPA-15-92459
R-23i S3	524	10/20/14	WG	Specific Conductance	202	µS/cm	CAPA-14-87187
R-23i S3	524	04/04/14	WG	Specific Conductance	202	µS/cm	CAPA-14-57736
R-23i S3	524	12/04/13	WG	Specific Conductance	201	µS/cm	CAPA-14-49381
R-23i S3	524	04/08/15	WG	Temperature	17.97	deg C	CAPA-15-93447
R-23i S3	524	01/13/15	WG	Temperature	15.96	deg C	CAPA-15-92459
R-23i S3	524	10/20/14	WG	Temperature	17.99	deg C	CAPA-14-87187
R-23i S3	524	04/04/14	WG	Temperature	17.14	deg C	CAPA-14-57736
R-23i S3	524	12/04/13	WG	Temperature	16.2	deg C	CAPA-14-49381
R-23i S3	524	04/08/15	WG	Turbidity	1.26	NTU	CAPA-15-93447
R-23i S3	524	01/13/15	WG	Turbidity	0.9	NTU	CAPA-15-92459
R-23i S3	524	10/20/14	WG	Turbidity	1.4	NTU	CAPA-14-87187
R-23i S3	524	04/04/14	WG	Turbidity	0.4	NTU	CAPA-14-57736
R-23i S3	524	12/04/13	WG	Turbidity	0.9	NTU	CAPA-14-49381
R-32 S1	867.5	04/17/15	WG	Dissolved Oxygen	4.47	mg/L	CAPA-15-93448

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-32 S1	867.5	10/21/14	WG	Dissolved Oxygen	4.21	mg/L	CAPA-14-87188
R-32 S1	867.5	04/04/14	WG	Dissolved Oxygen	4.32	mg/L	CAPA-14-57737
R-32 S1	867.5	12/04/13	WG	Dissolved Oxygen	4.03	mg/L	CAPA-14-49382
R-32 S1	867.5	04/09/13	WG	Dissolved Oxygen	4.08	mg/L	CAPA-13-29566
R-32 S1	867.5	04/17/15	WG	Flow (in gpm)	2.2	gpm	CAPA-15-93448
R-32 S1	867.5	10/21/14	WG	Flow (in gpm)	2.2	gpm	CAPA-14-87188
R-32 S1	867.5	04/04/14	WG	Flow (in gpm)	2.27	gpm	CAPA-14-57737
R-32 S1	867.5	12/04/13	WG	Flow (in gpm)	2.24	gpm	CAPA-14-49382
R-32 S1	867.5	10/20/11	WG	Flow (in gpm)	2	gpm	CAPA-12-1143
R-32 S1	867.5	04/17/15	WG	Oxidation-Reduction Potential	55	mV	CAPA-15-93448
R-32 S1	867.5	10/21/14	WG	Oxidation-Reduction Potential	50.7	mV	CAPA-14-87188
R-32 S1	867.5	04/04/14	WG	Oxidation-Reduction Potential	62.7	mV	CAPA-14-57737
R-32 S1	867.5	12/04/13	WG	Oxidation-Reduction Potential	45.3	mV	CAPA-14-49382
R-32 S1	867.5	04/09/13	WG	Oxidation-Reduction Potential	23.5	mV	CAPA-13-29566
R-32 S1	867.5	04/17/15	WG	pH	7.04	SU	CAPA-15-93448
R-32 S1	867.5	10/21/14	WG	pH	6.78	SU	CAPA-14-87188
R-32 S1	867.5	04/04/14	WG	pH	6.89	SU	CAPA-14-57737
R-32 S1	867.5	12/04/13	WG	pH	6.9	SU	CAPA-14-49382
R-32 S1	867.5	04/09/13	WG	pH	6.91	SU	CAPA-13-29566
R-32 S1	867.5	04/17/15	WG	Specific Conductance	174	µS/cm	CAPA-15-93448
R-32 S1	867.5	10/21/14	WG	Specific Conductance	169	µS/cm	CAPA-14-87188
R-32 S1	867.5	04/04/14	WG	Specific Conductance	168	µS/cm	CAPA-14-57737
R-32 S1	867.5	12/04/13	WG	Specific Conductance	167	µS/cm	CAPA-14-49382
R-32 S1	867.5	04/09/13	WG	Specific Conductance	164	µS/cm	CAPA-13-29566
R-32 S1	867.5	04/17/15	WG	Temperature	18.55	deg C	CAPA-15-93448
R-32 S1	867.5	10/21/14	WG	Temperature	18.85	deg C	CAPA-14-87188
R-32 S1	867.5	04/04/14	WG	Temperature	18.18	deg C	CAPA-14-57737
R-32 S1	867.5	12/04/13	WG	Temperature	18.11	deg C	CAPA-14-49382

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-32 S1	867.5	04/09/13	WG	Temperature	16.1	deg C	CAPA-13-29566
R-32 S1	867.5	04/17/15	WG	Turbidity	0.73	NTU	CAPA-15-93448
R-32 S1	867.5	10/21/14	WG	Turbidity	0.54	NTU	CAPA-14-87188
R-32 S1	867.5	04/04/14	WG	Turbidity	0.7	NTU	CAPA-14-57737
R-32 S1	867.5	12/04/13	WG	Turbidity	0.53	NTU	CAPA-14-49382
R-32 S1	867.5	04/09/13	WG	Turbidity	0.3	NTU	CAPA-13-29566
R-37 S1	929.3	04/08/15	WG	Dissolved Oxygen	2.18	mg/L	CAMO-15-94135
R-37 S1	929.3	01/13/15	WG	Dissolved Oxygen	2.25	mg/L	CAMO-15-91417
R-37 S1	929.3	10/15/14	WG	Dissolved Oxygen	2.74	mg/L	CAMO-14-87135
R-37 S1	929.3	07/10/14	WG	Dissolved Oxygen	2.53	mg/L	CAMO-14-81467
R-37 S1	929.3	06/10/14	WG	Dissolved Oxygen	2.61	mg/L	CAMO-14-57541
R-37 S1	929.3	04/08/15	WG	Flow (in gpm)	0.64	gpm	CAMO-15-94135
R-37 S1	929.3	01/13/15	WG	Flow (in gpm)	0.71	gpm	CAMO-15-91417
R-37 S1	929.3	10/15/14	WG	Flow (in gpm)	0.71	gpm	CAMO-14-87135
R-37 S1	929.3	07/10/14	WG	Flow (in gpm)	0.71	gpm	CAMO-14-81467
R-37 S1	929.3	06/10/14	WG	Flow (in gpm)	0.74	gpm	CAMO-14-57541
R-37 S1	929.3	04/08/15	WG	Oxidation-Reduction Potential	225.8	mV	CAMO-15-94135
R-37 S1	929.3	01/13/15	WG	Oxidation-Reduction Potential	164.2	mV	CAMO-15-91417
R-37 S1	929.3	10/15/14	WG	Oxidation-Reduction Potential	-24.1	mV	CAMO-14-87135
R-37 S1	929.3	07/10/14	WG	Oxidation-Reduction Potential	47.7	mV	CAMO-14-81467
R-37 S1	929.3	06/10/14	WG	Oxidation-Reduction Potential	59	mV	CAMO-14-57541
R-37 S1	929.3	04/08/15	WG	pH	8.35	SU	CAMO-15-94135
R-37 S1	929.3	01/13/15	WG	pH	8.14	SU	CAMO-15-91417
R-37 S1	929.3	10/15/14	WG	pH	8.15	SU	CAMO-14-87135
R-37 S1	929.3	07/10/14	WG	pH	8.28	SU	CAMO-14-81467
R-37 S1	929.3	06/10/14	WG	pH	8.19	SU	CAMO-14-57541
R-37 S1	929.3	04/08/15	WG	Specific Conductance	233	µS/cm	CAMO-15-94135
R-37 S1	929.3	01/13/15	WG	Specific Conductance	236	µS/cm	CAMO-15-91417

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-37 S1	929.3	10/15/14	WG	Specific Conductance	230	µS/cm	CAMO-14-87135
R-37 S1	929.3	07/10/14	WG	Specific Conductance	236	µS/cm	CAMO-14-81467
R-37 S1	929.3	06/10/14	WG	Specific Conductance	237	µS/cm	CAMO-14-57541
R-37 S1	929.3	04/08/15	WG	Temperature	17.66	deg C	CAMO-15-94135
R-37 S1	929.3	01/13/15	WG	Temperature	16.43	deg C	CAMO-15-91417
R-37 S1	929.3	10/15/14	WG	Temperature	18.08	deg C	CAMO-14-87135
R-37 S1	929.3	07/10/14	WG	Temperature	18.56	deg C	CAMO-14-81467
R-37 S1	929.3	06/10/14	WG	Temperature	18.31	deg C	CAMO-14-57541
R-37 S1	929.3	04/08/15	WG	Turbidity	0.18	NTU	CAMO-15-94135
R-37 S1	929.3	01/13/15	WG	Turbidity	0.45	NTU	CAMO-15-91417
R-37 S1	929.3	10/15/14	WG	Turbidity	0.78	NTU	CAMO-14-87135
R-37 S1	929.3	07/10/14	WG	Turbidity	0.6	NTU	CAMO-14-81467
R-37 S1	929.3	06/10/14	WG	Turbidity	0.9	NTU	CAMO-14-57541
R-37 S2	1026	04/09/15	WG	Dissolved Oxygen	6.23	mg/L	CAMO-15-94136
R-37 S2	1026	01/07/15	WG	Dissolved Oxygen	6.6	mg/L	CAMO-15-91418
R-37 S2	1026	10/14/14	WG	Dissolved Oxygen	7.43	mg/L	CAMO-14-87136
R-37 S2	1026	07/09/14	WG	Dissolved Oxygen	7.53	mg/L	CAMO-14-81468
R-37 S2	1026	04/16/14	WG	Dissolved Oxygen	6.58	mg/L	CAMO-14-57542
R-37 S2	1026	04/09/15	WG	Flow (in gpm)	9.3	gpm	CAMO-15-94136
R-37 S2	1026	01/07/15	WG	Flow (in gpm)	10	gpm	CAMO-15-91418
R-37 S2	1026	10/14/14	WG	Flow (in gpm)	10	gpm	CAMO-14-87136
R-37 S2	1026	07/09/14	WG	Flow (in gpm)	10	gpm	CAMO-14-81468
R-37 S2	1026	04/16/14	WG	Flow (in gpm)	10	gpm	CAMO-14-57542
R-37 S2	1026	04/09/15	WG	Oxidation-Reduction Potential	84.4	mV	CAMO-15-94136
R-37 S2	1026	01/07/15	WG	Oxidation-Reduction Potential	95.2	mV	CAMO-15-91418
R-37 S2	1026	10/14/14	WG	Oxidation-Reduction Potential	58	mV	CAMO-14-87136
R-37 S2	1026	07/09/14	WG	Oxidation-Reduction Potential	54.4	mV	CAMO-14-81468
R-37 S2	1026	04/16/14	WG	Oxidation-Reduction Potential	120.4	mV	CAMO-14-57542

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-37 S2	1026	04/09/15	WG	pH	7.98	SU	CAMO-15-94136
R-37 S2	1026	01/07/15	WG	pH	7.83	SU	CAMO-15-91418
R-37 S2	1026	10/14/14	WG	pH	7.95	SU	CAMO-14-87136
R-37 S2	1026	07/09/14	WG	pH	7.84	SU	CAMO-14-81468
R-37 S2	1026	04/16/14	WG	pH	7.93	SU	CAMO-14-57542
R-37 S2	1026	04/09/15	WG	Specific Conductance	136	µS/cm	CAMO-15-94136
R-37 S2	1026	01/07/15	WG	Specific Conductance	137	µS/cm	CAMO-15-91418
R-37 S2	1026	10/14/14	WG	Specific Conductance	139	µS/cm	CAMO-14-87136
R-37 S2	1026	07/09/14	WG	Specific Conductance	139	µS/cm	CAMO-14-81468
R-37 S2	1026	04/16/14	WG	Specific Conductance	133	µS/cm	CAMO-14-57542
R-37 S2	1026	04/09/15	WG	Temperature	20.98	deg C	CAMO-15-94136
R-37 S2	1026	01/07/15	WG	Temperature	20.96	deg C	CAMO-15-91418
R-37 S2	1026	10/14/14	WG	Temperature	22.83	deg C	CAMO-14-87136
R-37 S2	1026	07/09/14	WG	Temperature	21.6	deg C	CAMO-14-81468
R-37 S2	1026	04/16/14	WG	Temperature	21.3	deg C	CAMO-14-57542
R-37 S2	1026	04/09/15	WG	Turbidity	1.6	NTU	CAMO-15-94136
R-37 S2	1026	01/07/15	WG	Turbidity	4	NTU	CAMO-15-91418
R-37 S2	1026	10/14/14	WG	Turbidity	1.4	NTU	CAMO-14-87136
R-37 S2	1026	07/09/14	WG	Turbidity	0.6	NTU	CAMO-14-81468
R-37 S2	1026	04/16/14	WG	Turbidity	0.4	NTU	CAMO-14-57542
R-38	821.2	04/07/15	WG	Dissolved Oxygen	6.27	mg/L	CAMO-15-94137
R-38	821.2	10/28/14	WG	Dissolved Oxygen	6.43	mg/L	CAMO-14-87137
R-38	821.2	04/01/14	WG	Dissolved Oxygen	6.43	mg/L	CAMO-14-57543
R-38	821.2	12/02/13	WG	Dissolved Oxygen	6.53	mg/L	CAMO-14-49330
R-38	821.2	04/11/13	WG	Dissolved Oxygen	6.63	mg/L	CAMO-13-29628
R-38	821.2	04/07/15	WG	Flow (in gpm)	3.06	gpm	CAMO-15-94137
R-38	821.2	10/28/14	WG	Flow (in gpm)	2.5	gpm	CAMO-14-87137
R-38	821.2	04/01/14	WG	Flow (in gpm)	2.7	gpm	CAMO-14-57543

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-38	821.2	10/25/11	WG	Flow (in gpm)	2.72	gpm	CAPA-12-1181
R-38	821.2	07/26/11	WG	Flow (in gpm)	2.5	gpm	CAPA-11-22889
R-38	821.2	04/07/15	WG	Oxidation-Reduction Potential	73.5	mV	CAMO-15-94137
R-38	821.2	10/28/14	WG	Oxidation-Reduction Potential	82.3	mV	CAMO-14-87137
R-38	821.2	04/01/14	WG	Oxidation-Reduction Potential	74.7	mV	CAMO-14-57543
R-38	821.2	12/02/13	WG	Oxidation-Reduction Potential	46.7	mV	CAMO-14-49330
R-38	821.2	04/11/13	WG	Oxidation-Reduction Potential	-115.2	mV	CAMO-13-29628
R-38	821.2	04/07/15	WG	pH	7.06	SU	CAMO-15-94137
R-38	821.2	10/28/14	WG	pH	7.03	SU	CAMO-14-87137
R-38	821.2	04/01/14	WG	pH	7.11	SU	CAMO-14-57543
R-38	821.2	12/02/13	WG	pH	6.95	SU	CAMO-14-49330
R-38	821.2	04/11/13	WG	pH	7.19	SU	CAMO-13-29628
R-38	821.2	04/07/15	WG	Specific Conductance	139	µS/cm	CAMO-15-94137
R-38	821.2	10/28/14	WG	Specific Conductance	141	µS/cm	CAMO-14-87137
R-38	821.2	04/01/14	WG	Specific Conductance	141	µS/cm	CAMO-14-57543
R-38	821.2	12/02/13	WG	Specific Conductance	141	µS/cm	CAMO-14-49330
R-38	821.2	04/11/13	WG	Specific Conductance	136	µS/cm	CAMO-13-29628
R-38	821.2	04/07/15	WG	Temperature	18.98	deg C	CAMO-15-94137
R-38	821.2	10/28/14	WG	Temperature	18.14	deg C	CAMO-14-87137
R-38	821.2	04/01/14	WG	Temperature	19.05	deg C	CAMO-14-57543
R-38	821.2	12/02/13	WG	Temperature	18.2	deg C	CAMO-14-49330
R-38	821.2	04/11/13	WG	Temperature	17.93	deg C	CAMO-13-29628
R-38	821.2	04/07/15	WG	Turbidity	0.1	NTU	CAMO-15-94137
R-38	821.2	10/28/14	WG	Turbidity	0.63	NTU	CAMO-14-87137
R-38	821.2	04/01/14	WG	Turbidity	1.2	NTU	CAMO-14-57543
R-38	821.2	12/02/13	WG	Turbidity	0.9	NTU	CAMO-14-49330
R-38	821.2	04/11/13	WG	Turbidity	1.5	NTU	CAMO-13-29628
R-39	859	04/23/15	WG	Dissolved Oxygen	5.98	mg/L	CAPA-15-93449

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-39	859	01/07/15	WG	Dissolved Oxygen	6.99	mg/L	CAPA-15-91444
R-39	859	10/21/14	WG	Dissolved Oxygen	6.82	mg/L	CAPA-14-87189
R-39	859	07/14/14	WG	Dissolved Oxygen	6.78	mg/L	CAPA-14-81481
R-39	859	04/14/14	WG	Dissolved Oxygen	6.58	mg/L	CAPA-14-57738
R-39	859	04/23/15	WG	Flow (in gpm)	1.96	gpm	CAPA-15-93449
R-39	859	01/07/15	WG	Flow (in gpm)	3.19	gpm	CAPA-15-91444
R-39	859	10/21/14	WG	Flow (in gpm)	3.1	gpm	CAPA-14-87189
R-39	859	07/14/14	WG	Flow (in gpm)	3.16	gpm	CAPA-14-81481
R-39	859	04/14/14	WG	Flow (in gpm)	3.03	gpm	CAPA-14-57738
R-39	859	04/23/15	WG	Oxidation-Reduction Potential	210.9	mV	CAPA-15-93449
R-39	859	01/07/15	WG	Oxidation-Reduction Potential	181.1	mV	CAPA-15-91444
R-39	859	10/21/14	WG	Oxidation-Reduction Potential	142.9	mV	CAPA-14-87189
R-39	859	07/14/14	WG	Oxidation-Reduction Potential	98	mV	CAPA-14-81481
R-39	859	04/14/14	WG	Oxidation-Reduction Potential	134.1	mV	CAPA-14-57738
R-39	859	04/23/15	WG	pH	7.03	SU	CAPA-15-93449
R-39	859	01/07/15	WG	pH	7.92	SU	CAPA-15-91444
R-39	859	10/21/14	WG	pH	8.22	SU	CAPA-14-87189
R-39	859	07/14/14	WG	pH	8.14	SU	CAPA-14-81481
R-39	859	04/14/14	WG	pH	8.11	SU	CAPA-14-57738
R-39	859	04/23/15	WG	Specific Conductance	155	µS/cm	CAPA-15-93449
R-39	859	01/07/15	WG	Specific Conductance	142	µS/cm	CAPA-15-91444
R-39	859	10/21/14	WG	Specific Conductance	143	µS/cm	CAPA-14-87189
R-39	859	07/14/14	WG	Specific Conductance	144	µS/cm	CAPA-14-81481
R-39	859	04/14/14	WG	Specific Conductance	140	µS/cm	CAPA-14-57738
R-39	859	04/23/15	WG	Temperature	20.07	deg C	CAPA-15-93449
R-39	859	01/07/15	WG	Temperature	21.99	deg C	CAPA-15-91444
R-39	859	10/21/14	WG	Temperature	22.15	deg C	CAPA-14-87189
R-39	859	07/14/14	WG	Temperature	22.78	deg C	CAPA-14-81481

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-39	859	04/14/14	WG	Temperature	18.32	deg C	CAPA-14-57738
R-39	859	04/23/15	WG	Turbidity	3.1	NTU	CAPA-15-93449
R-39	859	01/07/15	WG	Turbidity	1.55	NTU	CAPA-15-91444
R-39	859	10/21/14	WG	Turbidity	0.8	NTU	CAPA-14-87189
R-39	859	07/14/14	WG	Turbidity	0.62	NTU	CAPA-14-81481
R-39	859	04/14/14	WG	Turbidity	2.1	NTU	CAPA-14-57738
R-40 S1	751.59	04/13/15	WG	Dissolved Oxygen	1.26	mg/L	CAPA-15-93450
R-40 S1	751.59	10/28/14	WG	Dissolved Oxygen	0.86	mg/L	CAPA-14-87190
R-40 S1	751.59	04/15/14	WG	Dissolved Oxygen	0.91	mg/L	CAPA-14-57739
R-40 S1	751.59	12/11/13	WG	Dissolved Oxygen	6.08	mg/L	CAPA-14-49384
R-40 S1	751.59	04/17/13	WG	Dissolved Oxygen	3.91	mg/L	CAPA-13-29568
R-40 S1	751.59	04/13/15	WG	Flow (in gpm)	0.55	gpm	CAPA-15-93450
R-40 S1	751.59	10/28/14	WG	Flow (in gpm)	0.55	gpm	CAPA-14-87190
R-40 S1	751.59	04/15/14	WG	Flow (in gpm)	0.56	gpm	CAPA-14-57739
R-40 S1	751.59	10/31/11	WG	Flow (in gpm)	0.3	gpm	CAPA-12-1307
R-40 S1	751.59	10/31/11	WG	Flow (in gpm)	0.3	gpm	CAPA-12-1308
R-40 S1	751.59	10/31/11	WG	Flow (in gpm)	0.3	gpm	CAPA-12-1309
R-40 S1	751.59	07/11/11	WG	Flow (in gpm)	0.4	gpm	CAPA-11-22709
R-40 S1	751.59	04/13/15	WG	Oxidation-Reduction Potential	111.5	mV	CAPA-15-93450
R-40 S1	751.59	10/28/14	WG	Oxidation-Reduction Potential	84.1	mV	CAPA-14-87190
R-40 S1	751.59	04/15/14	WG	Oxidation-Reduction Potential	23.3	mV	CAPA-14-57739
R-40 S1	751.59	12/11/13	WG	Oxidation-Reduction Potential	121.5	mV	CAPA-14-49384
R-40 S1	751.59	04/17/13	WG	Oxidation-Reduction Potential	169.8	mV	CAPA-13-29568
R-40 S1	751.59	04/13/15	WG	pH	9.19	SU	CAPA-15-93450
R-40 S1	751.59	10/28/14	WG	pH	9.29	SU	CAPA-14-87190
R-40 S1	751.59	04/15/14	WG	pH	9.27	SU	CAPA-14-57739
R-40 S1	751.59	12/11/13	WG	pH	8.73	SU	CAPA-14-49384
R-40 S1	751.59	04/17/13	WG	pH	9.26	SU	CAPA-13-29568

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-40 S1	751.59	04/13/15	WG	Specific Conductance	153	µS/cm	CAPA-15-93450
R-40 S1	751.59	10/28/14	WG	Specific Conductance	150	µS/cm	CAPA-14-87190
R-40 S1	751.59	04/15/14	WG	Specific Conductance	153	µS/cm	CAPA-14-57739
R-40 S1	751.59	12/11/13	WG	Specific Conductance	155	µS/cm	CAPA-14-49384
R-40 S1	751.59	04/17/13	WG	Specific Conductance	155	µS/cm	CAPA-13-29568
R-40 S1	751.59	04/13/15	WG	Temperature	17.26	deg C	CAPA-15-93450
R-40 S1	751.59	10/28/14	WG	Temperature	16.98	deg C	CAPA-14-87190
R-40 S1	751.59	04/15/14	WG	Temperature	16.89	deg C	CAPA-14-57739
R-40 S1	751.59	12/11/13	WG	Temperature	12.85	deg C	CAPA-14-49384
R-40 S1	751.59	04/17/13	WG	Temperature	16.19	deg C	CAPA-13-29568
R-40 S1	751.59	04/13/15	WG	Turbidity	2.17	NTU	CAPA-15-93450
R-40 S1	751.59	10/28/14	WG	Turbidity	1	NTU	CAPA-14-87190
R-40 S1	751.59	04/15/14	WG	Turbidity	1	NTU	CAPA-14-57739
R-40 S1	751.59	12/11/13	WG	Turbidity	5.5	NTU	CAPA-14-49384
R-40 S1	751.59	04/17/13	WG	Turbidity	24.9	NTU	CAPA-13-29568
R-40 S2	849.27	04/10/15	WG	Dissolved Oxygen	7.65	mg/L	CAPA-15-93451
R-40 S2	849.27	10/17/14	WG	Dissolved Oxygen	6.79	mg/L	CAPA-14-87191
R-40 S2	849.27	04/07/14	WG	Dissolved Oxygen	6.72	mg/L	CAPA-14-57740
R-40 S2	849.27	12/03/13	WG	Dissolved Oxygen	7.19	mg/L	CAPA-14-49385
R-40 S2	849.27	04/16/13	WG	Dissolved Oxygen	6.58	mg/L	CAPA-13-29569
R-40 S2	849.27	04/10/15	WG	Flow (in gpm)	2.2	gpm	CAPA-15-93451
R-40 S2	849.27	10/17/14	WG	Flow (in gpm)	2	gpm	CAPA-14-87191
R-40 S2	849.27	04/07/14	WG	Flow (in gpm)	2	gpm	CAPA-14-57740
R-40 S2	849.27	10/20/11	WG	Flow (in gpm)	2.2	gpm	CAPA-12-1150
R-40 S2	849.27	07/08/11	WG	Flow (in gpm)	2	gpm	CAPA-11-22899
R-40 S2	849.27	04/10/15	WG	Oxidation-Reduction Potential	196.9	mV	CAPA-15-93451
R-40 S2	849.27	10/17/14	WG	Oxidation-Reduction Potential	-19.5	mV	CAPA-14-87191
R-40 S2	849.27	04/07/14	WG	Oxidation-Reduction Potential	93.5	mV	CAPA-14-57740

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-40 S2	849.27	12/03/13	WG	Oxidation-Reduction Potential	112.4	mV	CAPA-14-49385
R-40 S2	849.27	04/16/13	WG	Oxidation-Reduction Potential	164	mV	CAPA-13-29569
R-40 S2	849.27	04/10/15	WG	pH	8.25	SU	CAPA-15-93451
R-40 S2	849.27	10/17/14	WG	pH	7.99	SU	CAPA-14-87191
R-40 S2	849.27	04/07/14	WG	pH	8.13	SU	CAPA-14-57740
R-40 S2	849.27	12/03/13	WG	pH	7.57	SU	CAPA-14-49385
R-40 S2	849.27	04/16/13	WG	pH	8.01	SU	CAPA-13-29569
R-40 S2	849.27	04/10/15	WG	Specific Conductance	126	µS/cm	CAPA-15-93451
R-40 S2	849.27	10/17/14	WG	Specific Conductance	129	µS/cm	CAPA-14-87191
R-40 S2	849.27	04/07/14	WG	Specific Conductance	130	µS/cm	CAPA-14-57740
R-40 S2	849.27	12/03/13	WG	Specific Conductance	129	µS/cm	CAPA-14-49385
R-40 S2	849.27	04/16/13	WG	Specific Conductance	129	µS/cm	CAPA-13-29569
R-40 S2	849.27	04/10/15	WG	Temperature	20.27	deg C	CAPA-15-93451
R-40 S2	849.27	10/17/14	WG	Temperature	20.71	deg C	CAPA-14-87191
R-40 S2	849.27	04/07/14	WG	Temperature	20.56	deg C	CAPA-14-57740
R-40 S2	849.27	12/03/13	WG	Temperature	20.2	deg C	CAPA-14-49385
R-40 S2	849.27	04/16/13	WG	Temperature	20.26	deg C	CAPA-13-29569
R-40 S2	849.27	04/10/15	WG	Turbidity	0.3	NTU	CAPA-15-93451
R-40 S2	849.27	10/17/14	WG	Turbidity	0.65	NTU	CAPA-14-87191
R-40 S2	849.27	04/07/14	WG	Turbidity	0.4	NTU	CAPA-14-57740
R-40 S2	849.27	12/03/13	WG	Turbidity	0.8	NTU	CAPA-14-49385
R-40 S2	849.27	04/16/13	WG	Turbidity	0.2	NTU	CAPA-13-29569
R-40 Si	649.67	04/13/15	WG	Dissolved Oxygen	0.44	mg/L	CAPA-15-93452
R-40 Si	649.67	10/28/14	WG	Dissolved Oxygen	0.55	mg/L	CAPA-14-87192
R-40 Si	649.67	04/15/14	WG	Dissolved Oxygen	1.13	mg/L	CAPA-14-57741
R-40 Si	649.67	12/11/13	WG	Dissolved Oxygen	0.38	mg/L	CAPA-14-49386
R-40 Si	649.67	04/24/13	WG	Dissolved Oxygen	0.58	mg/L	CAPA-13-30295
R-40 Si	649.67	04/24/13	WG	Dissolved Oxygen	0.48	mg/L	CAPA-13-30300

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-40 Si	649.67	04/13/15	WG	Flow (in gpm)	0.66	gpm	CAPA-15-93452
R-40 Si	649.67	10/28/14	WG	Flow (in gpm)	0.58	gpm	CAPA-14-87192
R-40 Si	649.67	04/15/14	WG	Flow (in gpm)	0.76	gpm	CAPA-14-57741
R-40 Si	649.67	12/11/13	WG	Flow (in gpm)	0.73	gpm	CAPA-14-49386
R-40 Si	649.67	11/01/11	WG	Flow (in gpm)	0.63	gpm	CAPA-12-1124
R-40 Si	649.67	11/01/11	WG	Flow (in gpm)	0.63	gpm	CAPA-12-1294
R-40 Si	649.67	11/01/11	WG	Flow (in gpm)	0.63	gpm	CAPA-12-1296
R-40 Si	649.67	11/01/11	WG	Flow (in gpm)	0.63	gpm	CAPA-12-1298
R-40 Si	649.67	11/01/11	WG	Flow (in gpm)	0.63	gpm	CAPA-12-1300
R-40 Si	649.67	11/01/11	WG	Flow (in gpm)	0.63	gpm	CAPA-12-1302
R-40 Si	649.67	11/01/11	WG	Flow (in gpm)	0.63	gpm	CAPA-12-1304
R-40 Si	649.67	04/13/15	WG	Oxidation-Reduction Potential	-117.9	mV	CAPA-15-93452
R-40 Si	649.67	10/28/14	WG	Oxidation-Reduction Potential	-106.6	mV	CAPA-14-87192
R-40 Si	649.67	04/15/14	WG	Oxidation-Reduction Potential	-78.3	mV	CAPA-14-57741
R-40 Si	649.67	12/11/13	WG	Oxidation-Reduction Potential	-135.7	mV	CAPA-14-49386
R-40 Si	649.67	04/24/13	WG	Oxidation-Reduction Potential	-170.9	mV	CAPA-13-30295
R-40 Si	649.67	04/24/13	WG	Oxidation-Reduction Potential	-161.6	mV	CAPA-13-30300
R-40 Si	649.67	04/13/15	WG	pH	7.49	SU	CAPA-15-93452
R-40 Si	649.67	10/28/14	WG	pH	7.57	SU	CAPA-14-87192
R-40 Si	649.67	04/15/14	WG	pH	7.47	SU	CAPA-14-57741
R-40 Si	649.67	12/11/13	WG	pH	7.46	SU	CAPA-14-49386
R-40 Si	649.67	04/24/13	WG	pH	7.5	SU	CAPA-13-30295
R-40 Si	649.67	04/24/13	WG	pH	7.51	SU	CAPA-13-30300
R-40 Si	649.67	04/13/15	WG	Specific Conductance	283	µS/cm	CAPA-15-93452
R-40 Si	649.67	10/28/14	WG	Specific Conductance	267	µS/cm	CAPA-14-87192
R-40 Si	649.67	04/15/14	WG	Specific Conductance	247	µS/cm	CAPA-14-57741
R-40 Si	649.67	12/11/13	WG	Specific Conductance	252	µS/cm	CAPA-14-49386
R-40 Si	649.67	04/24/13	WG	Specific Conductance	245	µS/cm	CAPA-13-30295

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-40 Si	649.67	04/24/13	WG	Specific Conductance	234	µS/cm	CAPA-13-30300
R-40 Si	649.67	04/13/15	WG	Temperature	17.47	deg C	CAPA-15-93452
R-40 Si	649.67	10/28/14	WG	Temperature	16.9	deg C	CAPA-14-87192
R-40 Si	649.67	04/15/14	WG	Temperature	14.71	deg C	CAPA-14-57741
R-40 Si	649.67	12/11/13	WG	Temperature	16.25	deg C	CAPA-14-49386
R-40 Si	649.67	04/24/13	WG	Temperature	15.45	deg C	CAPA-13-30295
R-40 Si	649.67	04/24/13	WG	Temperature	15.96	deg C	CAPA-13-30300
R-40 Si	649.67	04/13/15	WG	Turbidity	1.21	NTU	CAPA-15-93452
R-40 Si	649.67	10/28/14	WG	Turbidity	0.41	NTU	CAPA-14-87192
R-40 Si	649.67	04/15/14	WG	Turbidity	0.8	NTU	CAPA-14-57741
R-40 Si	649.67	12/11/13	WG	Turbidity	0	NTU	CAPA-14-49386
R-40 Si	649.67	04/24/13	WG	Turbidity	0.3	NTU	CAPA-13-30295
R-40 Si	649.67	04/24/13	WG	Turbidity	0.3	NTU	CAPA-13-30300
R-41 S2	965.3	04/23/15	WG	Dissolved Oxygen	6.13	mg/L	CAPA-15-93453
R-41 S2	965.3	01/08/15	WG	Dissolved Oxygen	6.19	mg/L	CAPA-15-91445
R-41 S2	965.3	10/21/14	WG	Dissolved Oxygen	6.2	mg/L	CAPA-14-87193
R-41 S2	965.3	07/09/14	WG	Dissolved Oxygen	6.22	mg/L	CAPA-14-81482
R-41 S2	965.3	04/14/14	WG	Dissolved Oxygen	6.28	mg/L	CAPA-14-57742
R-41 S2	965.3	04/23/15	WG	Flow (in gpm)	2.65	gpm	CAPA-15-93453
R-41 S2	965.3	01/08/15	WG	Flow (in gpm)	2.7	gpm	CAPA-15-91445
R-41 S2	965.3	10/21/14	WG	Flow (in gpm)	3	gpm	CAPA-14-87193
R-41 S2	965.3	07/09/14	WG	Flow (in gpm)	3.1	gpm	CAPA-14-81482
R-41 S2	965.3	04/14/14	WG	Flow (in gpm)	2.75	gpm	CAPA-14-57742
R-41 S2	965.3	04/23/15	WG	Oxidation-Reduction Potential	195.8	mV	CAPA-15-93453
R-41 S2	965.3	01/08/15	WG	Oxidation-Reduction Potential	160.1	mV	CAPA-15-91445
R-41 S2	965.3	10/21/14	WG	Oxidation-Reduction Potential	138.4	mV	CAPA-14-87193
R-41 S2	965.3	07/09/14	WG	Oxidation-Reduction Potential	2	mV	CAPA-14-81482
R-41 S2	965.3	04/14/14	WG	Oxidation-Reduction Potential	131.9	mV	CAPA-14-57742

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-41 S2	965.3	04/23/15	WG	pH	8.12	SU	CAPA-15-93453
R-41 S2	965.3	01/08/15	WG	pH	8.13	SU	CAPA-15-91445
R-41 S2	965.3	10/21/14	WG	pH	8.17	SU	CAPA-14-87193
R-41 S2	965.3	07/09/14	WG	pH	8.05	SU	CAPA-14-81482
R-41 S2	965.3	04/14/14	WG	pH	8.04	SU	CAPA-14-57742
R-41 S2	965.3	04/23/15	WG	Specific Conductance	163	µS/cm	CAPA-15-93453
R-41 S2	965.3	01/08/15	WG	Specific Conductance	162	µS/cm	CAPA-15-91445
R-41 S2	965.3	10/21/14	WG	Specific Conductance	163	µS/cm	CAPA-14-87193
R-41 S2	965.3	07/09/14	WG	Specific Conductance	164	µS/cm	CAPA-14-81482
R-41 S2	965.3	04/14/14	WG	Specific Conductance	163	µS/cm	CAPA-14-57742
R-41 S2	965.3	04/23/15	WG	Temperature	22.23	deg C	CAPA-15-93453
R-41 S2	965.3	01/08/15	WG	Temperature	21.2	deg C	CAPA-15-91445
R-41 S2	965.3	10/21/14	WG	Temperature	23.22	deg C	CAPA-14-87193
R-41 S2	965.3	07/09/14	WG	Temperature	23.4	deg C	CAPA-14-81482
R-41 S2	965.3	04/14/14	WG	Temperature	19.72	deg C	CAPA-14-57742
R-41 S2	965.3	04/23/15	WG	Turbidity	0.33	NTU	CAPA-15-93453
R-41 S2	965.3	01/08/15	WG	Turbidity	0.3	NTU	CAPA-15-91445
R-41 S2	965.3	10/21/14	WG	Turbidity	0.3	NTU	CAPA-14-87193
R-41 S2	965.3	07/09/14	WG	Turbidity	0	NTU	CAPA-14-81482
R-41 S2	965.3	04/14/14	WG	Turbidity	0.7	NTU	CAPA-14-57742
R-49 S1	845	04/10/15	WG	Dissolved Oxygen	4.77	mg/L	CAPA-15-93454
R-49 S1	845	10/27/14	WG	Dissolved Oxygen	4.44	mg/L	CAPA-14-87194
R-49 S1	845	04/18/14	WG	Dissolved Oxygen	4.45	mg/L	CAPA-14-57743
R-49 S1	845	12/09/13	WG	Dissolved Oxygen	4.6	mg/L	CAPA-14-49388
R-49 S1	845	04/15/13	WG	Dissolved Oxygen	4.27	mg/L	CAPA-13-29572
R-49 S1	845	04/10/15	WG	Flow (in gpm)	2.33	gpm	CAPA-15-93454
R-49 S1	845	10/27/14	WG	Flow (in gpm)	1.5	gpm	CAPA-14-87194
R-49 S1	845	04/18/14	WG	Flow (in gpm)	1.53	gpm	CAPA-14-57743

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-49 S1	845	10/26/11	WG	Flow (in gpm)	2.25	gpm	CAPA-12-1153
R-49 S1	845	07/08/11	WG	Flow (in gpm)	1.1	gpm	CAPA-11-22697
R-49 S1	845	04/10/15	WG	Oxidation-Reduction Potential	71.5	mV	CAPA-15-93454
R-49 S1	845	10/27/14	WG	Oxidation-Reduction Potential	128.2	mV	CAPA-14-87194
R-49 S1	845	04/18/14	WG	Oxidation-Reduction Potential	70	mV	CAPA-14-57743
R-49 S1	845	12/09/13	WG	Oxidation-Reduction Potential	37.6	mV	CAPA-14-49388
R-49 S1	845	04/15/13	WG	Oxidation-Reduction Potential	137	mV	CAPA-13-29572
R-49 S1	845	04/10/15	WG	pH	7.96	SU	CAPA-15-93454
R-49 S1	845	10/27/14	WG	pH	7.75	SU	CAPA-14-87194
R-49 S1	845	04/18/14	WG	pH	7.97	SU	CAPA-14-57743
R-49 S1	845	12/09/13	WG	pH	7.98	SU	CAPA-14-49388
R-49 S1	845	04/15/13	WG	pH	7.71	SU	CAPA-13-29572
R-49 S1	845	04/10/15	WG	Specific Conductance	154	µS/cm	CAPA-15-93454
R-49 S1	845	10/27/14	WG	Specific Conductance	157	µS/cm	CAPA-14-87194
R-49 S1	845	04/18/14	WG	Specific Conductance	155	µS/cm	CAPA-14-57743
R-49 S1	845	12/09/13	WG	Specific Conductance	155	µS/cm	CAPA-14-49388
R-49 S1	845	04/15/13	WG	Specific Conductance	152	µS/cm	CAPA-13-29572
R-49 S1	845	04/10/15	WG	Temperature	22.33	deg C	CAPA-15-93454
R-49 S1	845	10/27/14	WG	Temperature	21.29	deg C	CAPA-14-87194
R-49 S1	845	04/18/14	WG	Temperature	22.65	deg C	CAPA-14-57743
R-49 S1	845	12/09/13	WG	Temperature	20.84	deg C	CAPA-14-49388
R-49 S1	845	04/15/13	WG	Temperature	22.29	deg C	CAPA-13-29572
R-49 S1	845	04/10/15	WG	Turbidity	6.1	NTU	CAPA-15-93454
R-49 S1	845	10/27/14	WG	Turbidity	1.1	NTU	CAPA-14-87194
R-49 S1	845	04/18/14	WG	Turbidity	1.8	NTU	CAPA-14-57743
R-49 S1	845	12/09/13	WG	Turbidity	2.2	NTU	CAPA-14-49388
R-49 S1	845	04/15/13	WG	Turbidity	1	NTU	CAPA-13-29572
R-49 S2	905.6	04/09/15	WG	Dissolved Oxygen	6.52	mg/L	CAPA-15-93455

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-49 S2	905.6	10/24/14	WG	Dissolved Oxygen	6.61	mg/L	CAPA-14-87195
R-49 S2	905.6	04/07/14	WG	Dissolved Oxygen	6.75	mg/L	CAPA-14-57744
R-49 S2	905.6	12/13/13	WG	Dissolved Oxygen	6.85	mg/L	CAPA-14-49389
R-49 S2	905.6	04/19/13	WG	Dissolved Oxygen	6.65	mg/L	CAPA-13-29573
R-49 S2	905.6	04/09/15	WG	Flow (in gpm)	2.26	gpm	CAPA-15-93455
R-49 S2	905.6	10/24/14	WG	Flow (in gpm)	2.38	gpm	CAPA-14-87195
R-49 S2	905.6	04/07/14	WG	Flow (in gpm)	2.4	gpm	CAPA-14-57744
R-49 S2	905.6	12/13/13	WG	Flow (in gpm)	2.4	gpm	CAPA-14-49389
R-49 S2	905.6	10/27/11	WG	Flow (in gpm)	2.3	gpm	CAPA-12-1156
R-49 S2	905.6	04/09/15	WG	Oxidation-Reduction Potential	98.5	mV	CAPA-15-93455
R-49 S2	905.6	10/24/14	WG	Oxidation-Reduction Potential	101.7	mV	CAPA-14-87195
R-49 S2	905.6	04/07/14	WG	Oxidation-Reduction Potential	121	mV	CAPA-14-57744
R-49 S2	905.6	12/13/13	WG	Oxidation-Reduction Potential	154.4	mV	CAPA-14-49389
R-49 S2	905.6	04/19/13	WG	Oxidation-Reduction Potential	173.5	mV	CAPA-13-29573
R-49 S2	905.6	04/09/15	WG	pH	7.96	SU	CAPA-15-93455
R-49 S2	905.6	10/24/14	WG	pH	8.03	SU	CAPA-14-87195
R-49 S2	905.6	04/07/14	WG	pH	8.05	SU	CAPA-14-57744
R-49 S2	905.6	12/13/13	WG	pH	8.03	SU	CAPA-14-49389
R-49 S2	905.6	04/19/13	WG	pH	7.81	SU	CAPA-13-29573
R-49 S2	905.6	04/09/15	WG	Specific Conductance	143	µS/cm	CAPA-15-93455
R-49 S2	905.6	10/24/14	WG	Specific Conductance	143	µS/cm	CAPA-14-87195
R-49 S2	905.6	04/07/14	WG	Specific Conductance	142	µS/cm	CAPA-14-57744
R-49 S2	905.6	12/13/13	WG	Specific Conductance	142	µS/cm	CAPA-14-49389
R-49 S2	905.6	04/19/13	WG	Specific Conductance	141	µS/cm	CAPA-13-29573
R-49 S2	905.6	04/09/15	WG	Temperature	21.27	deg C	CAPA-15-93455
R-49 S2	905.6	10/24/14	WG	Temperature	22.37	deg C	CAPA-14-87195
R-49 S2	905.6	04/07/14	WG	Temperature	21.68	deg C	CAPA-14-57744
R-49 S2	905.6	12/13/13	WG	Temperature	21.43	deg C	CAPA-14-49389

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-49 S2	905.6	04/19/13	WG	Temperature	21.59	deg C	CAPA-13-29573
R-49 S2	905.6	04/09/15	WG	Turbidity	2.32	NTU	CAPA-15-93455
R-49 S2	905.6	10/24/14	WG	Turbidity	0.5	NTU	CAPA-14-87195
R-49 S2	905.6	04/07/14	WG	Turbidity	0.2	NTU	CAPA-14-57744
R-49 S2	905.6	12/13/13	WG	Turbidity	0.61	NTU	CAPA-14-49389
R-49 S2	905.6	04/19/13	WG	Turbidity	0.1	NTU	CAPA-13-29573
R-51 S1	914.96	04/23/15	WG	Dissolved Oxygen	7.63	mg/L	CAPA-15-93456
R-51 S1	914.96	10/22/14	WG	Dissolved Oxygen	7.91	mg/L	CAPA-14-87196
R-51 S1	914.96	04/09/14	WG	Dissolved Oxygen	9.22	mg/L	CAPA-14-57745
R-51 S1	914.96	12/13/13	WG	Dissolved Oxygen	8.95	mg/L	CAPA-14-49390
R-51 S1	914.96	04/25/13	WG	Dissolved Oxygen	8.03	mg/L	CAPA-13-29574
R-51 S1	914.96	04/23/15	WG	Flow (in gpm)	3.8	gpm	CAPA-15-93456
R-51 S1	914.96	10/22/14	WG	Flow (in gpm)	3.7	gpm	CAPA-14-87196
R-51 S1	914.96	04/09/14	WG	Flow (in gpm)	3.75	gpm	CAPA-14-57745
R-51 S1	914.96	10/21/11	WG	Flow (in gpm)	3.75	gpm	CAPA-12-1159
R-51 S1	914.96	07/28/11	WG	Flow (in gpm)	3.75	gpm	CAPA-11-22912
R-51 S1	914.96	04/23/15	WG	Oxidation-Reduction Potential	108.2	mV	CAPA-15-93456
R-51 S1	914.96	10/22/14	WG	Oxidation-Reduction Potential	129.2	mV	CAPA-14-87196
R-51 S1	914.96	04/09/14	WG	Oxidation-Reduction Potential	78.5	mV	CAPA-14-57745
R-51 S1	914.96	12/13/13	WG	Oxidation-Reduction Potential	53.2	mV	CAPA-14-49390
R-51 S1	914.96	04/25/13	WG	Oxidation-Reduction Potential	232.5	mV	CAPA-13-29574
R-51 S1	914.96	04/23/15	WG	pH	7.94	SU	CAPA-15-93456
R-51 S1	914.96	10/22/14	WG	pH	8.03	SU	CAPA-14-87196
R-51 S1	914.96	04/09/14	WG	pH	7.97	SU	CAPA-14-57745
R-51 S1	914.96	12/13/13	WG	pH	7.98	SU	CAPA-14-49390
R-51 S1	914.96	04/25/13	WG	pH	8.05	SU	CAPA-13-29574
R-51 S1	914.96	04/23/15	WG	Specific Conductance	120	µS/cm	CAPA-15-93456
R-51 S1	914.96	10/22/14	WG	Specific Conductance	121	µS/cm	CAPA-14-87196

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-51 S1	914.96	04/09/14	WG	Specific Conductance	121	µS/cm	CAPA-14-57745
R-51 S1	914.96	12/13/13	WG	Specific Conductance	121	µS/cm	CAPA-14-49390
R-51 S1	914.96	04/25/13	WG	Specific Conductance	122	µS/cm	CAPA-13-29574
R-51 S1	914.96	04/23/15	WG	Temperature	20.96	deg C	CAPA-15-93456
R-51 S1	914.96	10/22/14	WG	Temperature	21.01	deg C	CAPA-14-87196
R-51 S1	914.96	04/09/14	WG	Temperature	20.88	deg C	CAPA-14-57745
R-51 S1	914.96	12/13/13	WG	Temperature	20.17	deg C	CAPA-14-49390
R-51 S1	914.96	04/25/13	WG	Temperature	20.24	deg C	CAPA-13-29574
R-51 S1	914.96	04/23/15	WG	Turbidity	1.8	NTU	CAPA-15-93456
R-51 S1	914.96	10/22/14	WG	Turbidity	2	NTU	CAPA-14-87196
R-51 S1	914.96	04/09/14	WG	Turbidity	0.61	NTU	CAPA-14-57745
R-51 S1	914.96	12/13/13	WG	Turbidity	1	NTU	CAPA-14-49390
R-51 S1	914.96	04/25/13	WG	Turbidity	7.8	NTU	CAPA-13-29574
R-51 S2	1030.96	04/23/15	WG	Dissolved Oxygen	6.27	mg/L	CAPA-15-93457
R-51 S2	1030.96	10/22/14	WG	Dissolved Oxygen	6.28	mg/L	CAPA-14-87197
R-51 S2	1030.96	04/09/14	WG	Dissolved Oxygen	6.37	mg/L	CAPA-14-57746
R-51 S2	1030.96	12/13/13	WG	Dissolved Oxygen	6.32	mg/L	CAPA-14-49391
R-51 S2	1030.96	04/25/13	WG	Dissolved Oxygen	6.33	mg/L	CAPA-13-29575
R-51 S2	1030.96	04/23/15	WG	Flow (in gpm)	3.7	gpm	CAPA-15-93457
R-51 S2	1030.96	10/22/14	WG	Flow (in gpm)	3.8	gpm	CAPA-14-87197
R-51 S2	1030.96	04/09/14	WG	Flow (in gpm)	3.75	gpm	CAPA-14-57746
R-51 S2	1030.96	10/21/11	WG	Flow (in gpm)	3.75	gpm	CAPA-12-1164
R-51 S2	1030.96	07/28/11	WG	Flow (in gpm)	3.5	gpm	CAPA-11-14786
R-51 S2	1030.96	07/28/11	WG	Flow (in gpm)	3.5	gpm	CAPA-11-14788
R-51 S2	1030.96	07/28/11	WG	Flow (in gpm)	3.5	gpm	CAPA-11-14700
R-51 S2	1030.96	07/28/11	WG	Flow (in gpm)	3.5	gpm	CAPA-11-22928
R-51 S2	1030.96	04/23/15	WG	Oxidation-Reduction Potential	109.4	mV	CAPA-15-93457
R-51 S2	1030.96	10/22/14	WG	Oxidation-Reduction Potential	127.4	mV	CAPA-14-87197

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-51 S2	1030.96	04/09/14	WG	Oxidation-Reduction Potential	62.6	mV	CAPA-14-57746
R-51 S2	1030.96	12/13/13	WG	Oxidation-Reduction Potential	30	mV	CAPA-14-49391
R-51 S2	1030.96	04/25/13	WG	Oxidation-Reduction Potential	188.3	mV	CAPA-13-29575
R-51 S2	1030.96	04/23/15	WG	pH	8.15	SU	CAPA-15-93457
R-51 S2	1030.96	10/22/14	WG	pH	8.2	SU	CAPA-14-87197
R-51 S2	1030.96	04/09/14	WG	pH	8.09	SU	CAPA-14-57746
R-51 S2	1030.96	12/13/13	WG	pH	8.14	SU	CAPA-14-49391
R-51 S2	1030.96	04/25/13	WG	pH	8.11	SU	CAPA-13-29575
R-51 S2	1030.96	04/23/15	WG	Specific Conductance	122	µS/cm	CAPA-15-93457
R-51 S2	1030.96	10/22/14	WG	Specific Conductance	120	µS/cm	CAPA-14-87197
R-51 S2	1030.96	04/09/14	WG	Specific Conductance	121	µS/cm	CAPA-14-57746
R-51 S2	1030.96	12/13/13	WG	Specific Conductance	124	µS/cm	CAPA-14-49391
R-51 S2	1030.96	04/25/13	WG	Specific Conductance	124	µS/cm	CAPA-13-29575
R-51 S2	1030.96	04/23/15	WG	Temperature	22.2	deg C	CAPA-15-93457
R-51 S2	1030.96	10/22/14	WG	Temperature	21.85	deg C	CAPA-14-87197
R-51 S2	1030.96	04/09/14	WG	Temperature	21.91	deg C	CAPA-14-57746
R-51 S2	1030.96	12/13/13	WG	Temperature	21.37	deg C	CAPA-14-49391
R-51 S2	1030.96	04/25/13	WG	Temperature	21.3	deg C	CAPA-13-29575
R-51 S2	1030.96	04/23/15	WG	Turbidity	0	NTU	CAPA-15-93457
R-51 S2	1030.96	10/22/14	WG	Turbidity	0.4	NTU	CAPA-14-87197
R-51 S2	1030.96	04/09/14	WG	Turbidity	0.35	NTU	CAPA-14-57746
R-51 S2	1030.96	12/13/13	WG	Turbidity	0.4	NTU	CAPA-14-49391
R-51 S2	1030.96	04/25/13	WG	Turbidity	0.9	NTU	CAPA-13-29575
R-52 S1	1035.2	04/09/15	WG	Dissolved Oxygen	6.98	mg/L	CAPA-15-93458
R-52 S1	1035.2	10/16/14	WG	Dissolved Oxygen	8.08	mg/L	CAPA-14-87198
R-52 S1	1035.2	04/10/14	WG	Dissolved Oxygen	8.1	mg/L	CAPA-14-57747
R-52 S1	1035.2	12/11/13	WG	Dissolved Oxygen	8.49	mg/L	CAPA-14-49392
R-52 S1	1035.2	04/11/13	WG	Dissolved Oxygen	8.68	mg/L	CAPA-13-29576

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-52 S1	1035.2	04/09/15	WG	Flow (in gpm)	3.3	gpm	CAPA-15-93458
R-52 S1	1035.2	10/16/14	WG	Flow (in gpm)	3.3	gpm	CAPA-14-87198
R-52 S1	1035.2	04/10/14	WG	Flow (in gpm)	3.37	gpm	CAPA-14-57747
R-52 S1	1035.2	11/01/11	WG	Flow (in gpm)	3.4	gpm	CAPA-12-1187
R-52 S1	1035.2	07/18/11	WG	Flow (in gpm)	3.3	gpm	CAPA-11-22933
R-52 S1	1035.2	04/09/15	WG	Oxidation-Reduction Potential	189	mV	CAPA-15-93458
R-52 S1	1035.2	10/16/14	WG	Oxidation-Reduction Potential	161.9	mV	CAPA-14-87198
R-52 S1	1035.2	04/10/14	WG	Oxidation-Reduction Potential	40.3	mV	CAPA-14-57747
R-52 S1	1035.2	12/11/13	WG	Oxidation-Reduction Potential	161.6	mV	CAPA-14-49392
R-52 S1	1035.2	04/11/13	WG	Oxidation-Reduction Potential	134.2	mV	CAPA-13-29576
R-52 S1	1035.2	04/09/15	WG	pH	8.56	SU	CAPA-15-93458
R-52 S1	1035.2	10/16/14	WG	pH	8.06	SU	CAPA-14-87198
R-52 S1	1035.2	04/10/14	WG	pH	8.05	SU	CAPA-14-57747
R-52 S1	1035.2	12/11/13	WG	pH	7.8	SU	CAPA-14-49392
R-52 S1	1035.2	04/11/13	WG	pH	8.14	SU	CAPA-13-29576
R-52 S1	1035.2	04/09/15	WG	Specific Conductance	150	µS/cm	CAPA-15-93458
R-52 S1	1035.2	10/16/14	WG	Specific Conductance	139	µS/cm	CAPA-14-87198
R-52 S1	1035.2	04/10/14	WG	Specific Conductance	143	µS/cm	CAPA-14-57747
R-52 S1	1035.2	12/11/13	WG	Specific Conductance	146	µS/cm	CAPA-14-49392
R-52 S1	1035.2	04/11/13	WG	Specific Conductance	144	µS/cm	CAPA-13-29576
R-52 S1	1035.2	04/09/15	WG	Temperature	21.23	deg C	CAPA-15-93458
R-52 S1	1035.2	10/16/14	WG	Temperature	21.73	deg C	CAPA-14-87198
R-52 S1	1035.2	04/10/14	WG	Temperature	21.42	deg C	CAPA-14-57747
R-52 S1	1035.2	12/11/13	WG	Temperature	20.42	deg C	CAPA-14-49392
R-52 S1	1035.2	04/11/13	WG	Temperature	21.39	deg C	CAPA-13-29576
R-52 S1	1035.2	04/09/15	WG	Turbidity	0.58	NTU	CAPA-15-93458
R-52 S1	1035.2	10/16/14	WG	Turbidity	0.3	NTU	CAPA-14-87198
R-52 S1	1035.2	04/10/14	WG	Turbidity	0.17	NTU	CAPA-14-57747

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-52 S1	1035.2	12/11/13	WG	Turbidity	1.6	NTU	CAPA-14-49392
R-52 S1	1035.2	04/11/13	WG	Turbidity	0.8	NTU	CAPA-13-29576
R-52 S2	1107	04/09/15	WG	Dissolved Oxygen	7.03	mg/L	CAPA-15-93459
R-52 S2	1107	10/16/14	WG	Dissolved Oxygen	7.16	mg/L	CAPA-14-87199
R-52 S2	1107	04/10/14	WG	Dissolved Oxygen	7.12	mg/L	CAPA-14-57748
R-52 S2	1107	12/11/13	WG	Dissolved Oxygen	7.64	mg/L	CAPA-14-49393
R-52 S2	1107	04/11/13	WG	Dissolved Oxygen	7.34	mg/L	CAPA-13-29577
R-52 S2	1107	04/09/15	WG	Flow (in gpm)	3.3	gpm	CAPA-15-93459
R-52 S2	1107	10/16/14	WG	Flow (in gpm)	3.2	gpm	CAPA-14-87199
R-52 S2	1107	04/10/14	WG	Flow (in gpm)	3.33	gpm	CAPA-14-57748
R-52 S2	1107	11/01/11	WG	Flow (in gpm)	3.3	gpm	CAPA-12-1189
R-52 S2	1107	11/01/11	WG	Flow (in gpm)	3.3	gpm	CAPA-12-1313
R-52 S2	1107	11/01/11	WG	Flow (in gpm)	3.3	gpm	CAPA-12-1315
R-52 S2	1107	07/18/11	WG	Flow (in gpm)	3.3	gpm	CAPA-11-14716
R-52 S2	1107	07/18/11	WG	Flow (in gpm)	3.3	gpm	CAPA-11-22936
R-52 S2	1107	07/18/11	WG	Flow (in gpm)	3.3	gpm	CAPA-11-14784
R-52 S2	1107	07/18/11	WG	Flow (in gpm)	3.3	gpm	CAPA-11-14712
R-52 S2	1107	07/18/11	WG	Flow (in gpm)	3.3	gpm	CAPA-11-14714
R-52 S2	1107	04/09/15	WG	Oxidation-Reduction Potential	207.5	mV	CAPA-15-93459
R-52 S2	1107	10/16/14	WG	Oxidation-Reduction Potential	177.3	mV	CAPA-14-87199
R-52 S2	1107	04/10/14	WG	Oxidation-Reduction Potential	51.9	mV	CAPA-14-57748
R-52 S2	1107	12/11/13	WG	Oxidation-Reduction Potential	167.8	mV	CAPA-14-49393
R-52 S2	1107	04/11/13	WG	Oxidation-Reduction Potential	164.6	mV	CAPA-13-29577
R-52 S2	1107	04/09/15	WG	pH	7.95	SU	CAPA-15-93459
R-52 S2	1107	10/16/14	WG	pH	7.91	SU	CAPA-14-87199
R-52 S2	1107	04/10/14	WG	pH	7.67	SU	CAPA-14-57748
R-52 S2	1107	12/11/13	WG	pH	7.59	SU	CAPA-14-49393
R-52 S2	1107	04/11/13	WG	pH	7.82	SU	CAPA-13-29577

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-52 S2	1107	04/09/15	WG	Specific Conductance	128	µS/cm	CAPA-15-93459
R-52 S2	1107	10/16/14	WG	Specific Conductance	120	µS/cm	CAPA-14-87199
R-52 S2	1107	04/10/14	WG	Specific Conductance	126	µS/cm	CAPA-14-57748
R-52 S2	1107	12/11/13	WG	Specific Conductance	127	µS/cm	CAPA-14-49393
R-52 S2	1107	04/11/13	WG	Specific Conductance	126	µS/cm	CAPA-13-29577
R-52 S2	1107	04/09/15	WG	Temperature	21.62	deg C	CAPA-15-93459
R-52 S2	1107	10/16/14	WG	Temperature	22.05	deg C	CAPA-14-87199
R-52 S2	1107	04/10/14	WG	Temperature	22.36	deg C	CAPA-14-57748
R-52 S2	1107	12/11/13	WG	Temperature	21.13	deg C	CAPA-14-49393
R-52 S2	1107	04/11/13	WG	Temperature	21.14	deg C	CAPA-13-29577
R-52 S2	1107	04/09/15	WG	Turbidity	0.1	NTU	CAPA-15-93459
R-52 S2	1107	10/16/14	WG	Turbidity	0.3	NTU	CAPA-14-87199
R-52 S2	1107	04/10/14	WG	Turbidity	0.2	NTU	CAPA-14-57748
R-52 S2	1107	12/11/13	WG	Turbidity	0.4	NTU	CAPA-14-49393
R-52 S2	1107	04/11/13	WG	Turbidity	0.3	NTU	CAPA-13-29577
R-53 S1	849.2	04/16/15	WG	Dissolved Oxygen	6.1	mg/L	CAPA-15-93460
R-53 S1	849.2	10/23/14	WG	Dissolved Oxygen	6.12	mg/L	CAPA-14-87200
R-53 S1	849.2	04/02/14	WG	Dissolved Oxygen	6.22	mg/L	CAPA-14-57749
R-53 S1	849.2	12/12/13	WG	Dissolved Oxygen	5.99	mg/L	CAPA-14-49394
R-53 S1	849.2	04/08/13	WG	Dissolved Oxygen	6.09	mg/L	CAPA-13-29578
R-53 S1	849.2	04/16/15	WG	Flow (in gpm)	3.85	gpm	CAPA-15-93460
R-53 S1	849.2	10/23/14	WG	Flow (in gpm)	3.75	gpm	CAPA-14-87200
R-53 S1	849.2	04/02/14	WG	Flow (in gpm)	3.9	gpm	CAPA-14-57749
R-53 S1	849.2	10/25/11	WG	Flow (in gpm)	3.5	gpm	CAPA-12-1192
R-53 S1	849.2	07/14/11	WG	Flow (in gpm)	3.8	gpm	CAPA-11-22939
R-53 S1	849.2	04/16/15	WG	Oxidation-Reduction Potential	121	mV	CAPA-15-93460
R-53 S1	849.2	10/23/14	WG	Oxidation-Reduction Potential	70.5	mV	CAPA-14-87200
R-53 S1	849.2	04/02/14	WG	Oxidation-Reduction Potential	83.3	mV	CAPA-14-57749

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-53 S1	849.2	12/12/13	WG	Oxidation-Reduction Potential	68.5	mV	CAPA-14-49394
R-53 S1	849.2	04/08/13	WG	Oxidation-Reduction Potential	104.8	mV	CAPA-13-29578
R-53 S1	849.2	04/16/15	WG	pH	7.92	SU	CAPA-15-93460
R-53 S1	849.2	10/23/14	WG	pH	8.07	SU	CAPA-14-87200
R-53 S1	849.2	04/02/14	WG	pH	8	SU	CAPA-14-57749
R-53 S1	849.2	12/12/13	WG	pH	8.09	SU	CAPA-14-49394
R-53 S1	849.2	04/08/13	WG	pH	8	SU	CAPA-13-29578
R-53 S1	849.2	04/16/15	WG	Specific Conductance	127	µS/cm	CAPA-15-93460
R-53 S1	849.2	10/23/14	WG	Specific Conductance	127	µS/cm	CAPA-14-87200
R-53 S1	849.2	04/02/14	WG	Specific Conductance	129	µS/cm	CAPA-14-57749
R-53 S1	849.2	12/12/13	WG	Specific Conductance	127	µS/cm	CAPA-14-49394
R-53 S1	849.2	04/08/13	WG	Specific Conductance	127	µS/cm	CAPA-13-29578
R-53 S1	849.2	04/16/15	WG	Temperature	21	deg C	CAPA-15-93460
R-53 S1	849.2	10/23/14	WG	Temperature	21.5	deg C	CAPA-14-87200
R-53 S1	849.2	04/02/14	WG	Temperature	21.06	deg C	CAPA-14-57749
R-53 S1	849.2	12/12/13	WG	Temperature	20.52	deg C	CAPA-14-49394
R-53 S1	849.2	04/08/13	WG	Temperature	21.03	deg C	CAPA-13-29578
R-53 S1	849.2	04/16/15	WG	Turbidity	0.4	NTU	CAPA-15-93460
R-53 S1	849.2	10/23/14	WG	Turbidity	0.35	NTU	CAPA-14-87200
R-53 S1	849.2	04/02/14	WG	Turbidity	0.5	NTU	CAPA-14-57749
R-53 S1	849.2	12/12/13	WG	Turbidity	0.65	NTU	CAPA-14-49394
R-53 S1	849.2	04/08/13	WG	Turbidity	0.2	NTU	CAPA-13-29578
R-53 S2	959.7	04/16/15	WG	Dissolved Oxygen	6.32	mg/L	CAPA-15-93461
R-53 S2	959.7	10/23/14	WG	Dissolved Oxygen	6.51	mg/L	CAPA-14-87201
R-53 S2	959.7	04/02/14	WG	Dissolved Oxygen	6.41	mg/L	CAPA-14-57750
R-53 S2	959.7	12/12/13	WG	Dissolved Oxygen	6.27	mg/L	CAPA-14-49395
R-53 S2	959.7	04/08/13	WG	Dissolved Oxygen	6.38	mg/L	CAPA-13-29579
R-53 S2	959.7	04/16/15	WG	Flow (in gpm)	3.75	gpm	CAPA-15-93461

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-53 S2	959.7	10/23/14	WG	Flow (in gpm)	3.79	gpm	CAPA-14-87201
R-53 S2	959.7	04/02/14	WG	Flow (in gpm)	3.8	gpm	CAPA-14-57750
R-53 S2	959.7	10/25/11	WG	Flow (in gpm)	4	gpm	CAPA-12-1196
R-53 S2	959.7	07/14/11	WG	Flow (in gpm)	3.7	gpm	CAPA-11-22941
R-53 S2	959.7	04/16/15	WG	Oxidation-Reduction Potential	117.3	mV	CAPA-15-93461
R-53 S2	959.7	10/23/14	WG	Oxidation-Reduction Potential	114.5	mV	CAPA-14-87201
R-53 S2	959.7	04/02/14	WG	Oxidation-Reduction Potential	139	mV	CAPA-14-57750
R-53 S2	959.7	12/12/13	WG	Oxidation-Reduction Potential	78	mV	CAPA-14-49395
R-53 S2	959.7	04/08/13	WG	Oxidation-Reduction Potential	106.6	mV	CAPA-13-29579
R-53 S2	959.7	04/16/15	WG	pH	8	SU	CAPA-15-93461
R-53 S2	959.7	10/23/14	WG	pH	8.17	SU	CAPA-14-87201
R-53 S2	959.7	04/02/14	WG	pH	8.12	SU	CAPA-14-57750
R-53 S2	959.7	12/12/13	WG	pH	8.15	SU	CAPA-14-49395
R-53 S2	959.7	04/08/13	WG	pH	8.03	SU	CAPA-13-29579
R-53 S2	959.7	04/16/15	WG	Specific Conductance	124	µS/cm	CAPA-15-93461
R-53 S2	959.7	10/23/14	WG	Specific Conductance	124	µS/cm	CAPA-14-87201
R-53 S2	959.7	04/02/14	WG	Specific Conductance	125	µS/cm	CAPA-14-57750
R-53 S2	959.7	12/12/13	WG	Specific Conductance	124	µS/cm	CAPA-14-49395
R-53 S2	959.7	04/08/13	WG	Specific Conductance	124	µS/cm	CAPA-13-29579
R-53 S2	959.7	04/16/15	WG	Temperature	21.46	deg C	CAPA-15-93461
R-53 S2	959.7	10/23/14	WG	Temperature	21.84	deg C	CAPA-14-87201
R-53 S2	959.7	04/02/14	WG	Temperature	21.3	deg C	CAPA-14-57750
R-53 S2	959.7	12/12/13	WG	Temperature	21.01	deg C	CAPA-14-49395
R-53 S2	959.7	04/08/13	WG	Temperature	21.58	deg C	CAPA-13-29579
R-53 S2	959.7	04/16/15	WG	Turbidity	0.4	NTU	CAPA-15-93461
R-53 S2	959.7	10/23/14	WG	Turbidity	0.23	NTU	CAPA-14-87201
R-53 S2	959.7	04/02/14	WG	Turbidity	0.4	NTU	CAPA-14-57750
R-53 S2	959.7	12/12/13	WG	Turbidity	0.4	NTU	CAPA-14-49395

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-53 S2	959.7	04/08/13	WG	Turbidity	0	NTU	CAPA-13-29579
R-54 S1	830	04/14/15	WG	Dissolved Oxygen	0.66	mg/L	CAPA-15-93462
R-54 S1	830	10/22/14	WG	Dissolved Oxygen	1.09	mg/L	CAPA-14-87202
R-54 S1	830	04/15/14	WG	Dissolved Oxygen	1.02	mg/L	CAPA-14-57751
R-54 S1	830	12/16/13	WG	Dissolved Oxygen	0.65	mg/L	CAPA-14-49396
R-54 S1	830	04/16/13	WG	Dissolved Oxygen	0.55	mg/L	CAPA-13-29580
R-54 S1	830	04/14/15	WG	Flow (in gpm)	3	gpm	CAPA-15-93462
R-54 S1	830	10/22/14	WG	Flow (in gpm)	3	gpm	CAPA-14-87202
R-54 S1	830	04/15/14	WG	Flow (in gpm)	3	gpm	CAPA-14-57751
R-54 S1	830	12/16/13	WG	Flow (in gpm)	3.16	gpm	CAPA-14-49396
R-54 S1	830	11/02/11	WG	Flow (in gpm)	3	gpm	CAPA-12-1325
R-54 S1	830	11/02/11	WG	Flow (in gpm)	3	gpm	CAPA-12-1327
R-54 S1	830	11/02/11	WG	Flow (in gpm)	3	gpm	CAPA-12-1321
R-54 S1	830	11/02/11	WG	Flow (in gpm)	3	gpm	CAPA-12-1323
R-54 S1	830	11/02/11	WG	Flow (in gpm)	3	gpm	CAPA-12-1168
R-54 S1	830	11/02/11	WG	Flow (in gpm)	3	gpm	CAPA-12-1319
R-54 S1	830	11/02/11	WG	Flow (in gpm)	3	gpm	CAPA-12-1333
R-54 S1	830	11/02/11	WG	Flow (in gpm)	3	gpm	CAPA-12-1335
R-54 S1	830	11/02/11	WG	Flow (in gpm)	3	gpm	CAPA-12-1329
R-54 S1	830	11/02/11	WG	Flow (in gpm)	3	gpm	CAPA-12-1331
R-54 S1	830	04/14/15	WG	Oxidation-Reduction Potential	-73	mV	CAPA-15-93462
R-54 S1	830	10/22/14	WG	Oxidation-Reduction Potential	-43.3	mV	CAPA-14-87202
R-54 S1	830	04/15/14	WG	Oxidation-Reduction Potential	-65	mV	CAPA-14-57751
R-54 S1	830	12/16/13	WG	Oxidation-Reduction Potential	-6.71	mV	CAPA-14-49396
R-54 S1	830	04/16/13	WG	Oxidation-Reduction Potential	-71.6	mV	CAPA-13-29580
R-54 S1	830	04/14/15	WG	pH	6.73	SU	CAPA-15-93462
R-54 S1	830	10/22/14	WG	pH	6.48	SU	CAPA-14-87202
R-54 S1	830	04/15/14	WG	pH	6.77	SU	CAPA-14-57751

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-54 S1	830	12/16/13	WG	pH	6.74	SU	CAPA-14-49396
R-54 S1	830	04/16/13	WG	pH	6.58	SU	CAPA-13-29580
R-54 S1	830	04/14/15	WG	Specific Conductance	154	µS/cm	CAPA-15-93462
R-54 S1	830	10/22/14	WG	Specific Conductance	156	µS/cm	CAPA-14-87202
R-54 S1	830	04/15/14	WG	Specific Conductance	162	µS/cm	CAPA-14-57751
R-54 S1	830	12/16/13	WG	Specific Conductance	174	µS/cm	CAPA-14-49396
R-54 S1	830	04/16/13	WG	Specific Conductance	178	µS/cm	CAPA-13-29580
R-54 S1	830	04/14/15	WG	Temperature	21.07	deg C	CAPA-15-93462
R-54 S1	830	10/22/14	WG	Temperature	20.07	deg C	CAPA-14-87202
R-54 S1	830	04/15/14	WG	Temperature	21.16	deg C	CAPA-14-57751
R-54 S1	830	12/16/13	WG	Temperature	20.98	deg C	CAPA-14-49396
R-54 S1	830	04/16/13	WG	Temperature	21.5	deg C	CAPA-13-29580
R-54 S1	830	04/14/15	WG	Turbidity	1.05	NTU	CAPA-15-93462
R-54 S1	830	10/22/14	WG	Turbidity	0.74	NTU	CAPA-14-87202
R-54 S1	830	04/15/14	WG	Turbidity	0.8	NTU	CAPA-14-57751
R-54 S1	830	12/16/13	WG	Turbidity	0.96	NTU	CAPA-14-49396
R-54 S1	830	04/16/13	WG	Turbidity	0.58	NTU	CAPA-13-29580
R-54 S2	915	04/14/15	WG	Dissolved Oxygen	6.14	mg/L	CAPA-15-93463
R-54 S2	915	10/22/14	WG	Dissolved Oxygen	6.33	mg/L	CAPA-14-87203
R-54 S2	915	04/15/14	WG	Dissolved Oxygen	6.14	mg/L	CAPA-14-57752
R-54 S2	915	12/16/13	WG	Dissolved Oxygen	6.43	mg/L	CAPA-14-49397
R-54 S2	915	04/16/13	WG	Dissolved Oxygen	6.41	mg/L	CAPA-13-29581
R-54 S2	915	04/14/15	WG	Flow (in gpm)	3	gpm	CAPA-15-93463
R-54 S2	915	10/22/14	WG	Flow (in gpm)	3	gpm	CAPA-14-87203
R-54 S2	915	04/15/14	WG	Flow (in gpm)	3.06	gpm	CAPA-14-57752
R-54 S2	915	10/31/11	WG	Flow (in gpm)	2.9	gpm	CAPA-12-1172
R-54 S2	915	07/12/11	WG	Flow (in gpm)	3	gpm	CAPA-11-22976
R-54 S2	915	04/14/15	WG	Oxidation-Reduction Potential	-88.9	mV	CAPA-15-93463

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-54 S2	915	10/22/14	WG	Oxidation-Reduction Potential	78.4	mV	CAPA-14-87203
R-54 S2	915	04/15/14	WG	Oxidation-Reduction Potential	193.4	mV	CAPA-14-57752
R-54 S2	915	12/16/13	WG	Oxidation-Reduction Potential	35.6	mV	CAPA-14-49397
R-54 S2	915	04/16/13	WG	Oxidation-Reduction Potential	66.9	mV	CAPA-13-29581
R-54 S2	915	04/14/15	WG	pH	8.09	SU	CAPA-15-93463
R-54 S2	915	10/22/14	WG	pH	7.91	SU	CAPA-14-87203
R-54 S2	915	04/15/14	WG	pH	8.23	SU	CAPA-14-57752
R-54 S2	915	12/16/13	WG	pH	8.29	SU	CAPA-14-49397
R-54 S2	915	04/16/13	WG	pH	8.22	SU	CAPA-13-29581
R-54 S2	915	04/14/15	WG	Specific Conductance	127	µS/cm	CAPA-15-93463
R-54 S2	915	10/22/14	WG	Specific Conductance	128	µS/cm	CAPA-14-87203
R-54 S2	915	04/15/14	WG	Specific Conductance	133	µS/cm	CAPA-14-57752
R-54 S2	915	12/16/13	WG	Specific Conductance	127	µS/cm	CAPA-14-49397
R-54 S2	915	04/16/13	WG	Specific Conductance	126	µS/cm	CAPA-13-29581
R-54 S2	915	04/14/15	WG	Temperature	21.97	deg C	CAPA-15-93463
R-54 S2	915	10/22/14	WG	Temperature	21.47	deg C	CAPA-14-87203
R-54 S2	915	04/15/14	WG	Temperature	20.93	deg C	CAPA-14-57752
R-54 S2	915	12/16/13	WG	Temperature	21.43	deg C	CAPA-14-49397
R-54 S2	915	04/16/13	WG	Temperature	21.47	deg C	CAPA-13-29581
R-54 S2	915	04/14/15	WG	Turbidity	0.3	NTU	CAPA-15-93463
R-54 S2	915	10/22/14	WG	Turbidity	0.41	NTU	CAPA-14-87203
R-54 S2	915	04/15/14	WG	Turbidity	0.2	NTU	CAPA-14-57752
R-54 S2	915	12/16/13	WG	Turbidity	0.52	NTU	CAPA-14-49397
R-54 S2	915	04/16/13	WG	Turbidity	0.61	NTU	CAPA-13-29581
R-55 S1	860	04/20/15	WG	Dissolved Oxygen	6.46	mg/L	CAMO-15-94138
R-55 S1	860	01/08/15	WG	Dissolved Oxygen	6.33	mg/L	CAMO-15-91419
R-55 S1	860	10/15/14	WG	Dissolved Oxygen	6.26	mg/L	CAMO-14-87138
R-55 S1	860	07/11/14	WG	Dissolved Oxygen	6.19	mg/L	CAMO-14-81469

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-55 S1	860	04/07/14	WG	Dissolved Oxygen	6.33	mg/L	CAMO-14-57544
R-55 S1	860	04/20/15	WG	Flow (in gpm)	2.86	gpm	CAMO-15-94138
R-55 S1	860	01/08/15	WG	Flow (in gpm)	2.9	gpm	CAMO-15-91419
R-55 S1	860	10/15/14	WG	Flow (in gpm)	2.78	gpm	CAMO-14-87138
R-55 S1	860	07/11/14	WG	Flow (in gpm)	2.97	gpm	CAMO-14-81469
R-55 S1	860	04/07/14	WG	Flow (in gpm)	2.8	gpm	CAMO-14-57544
R-55 S1	860	04/20/15	WG	Oxidation-Reduction Potential	51.9	mV	CAMO-15-94138
R-55 S1	860	01/08/15	WG	Oxidation-Reduction Potential	126.9	mV	CAMO-15-91419
R-55 S1	860	10/15/14	WG	Oxidation-Reduction Potential	155.9	mV	CAMO-14-87138
R-55 S1	860	07/11/14	WG	Oxidation-Reduction Potential	34.5	mV	CAMO-14-81469
R-55 S1	860	04/07/14	WG	Oxidation-Reduction Potential	58.6	mV	CAMO-14-57544
R-55 S1	860	04/20/15	WG	pH	8.13	SU	CAMO-15-94138
R-55 S1	860	01/08/15	WG	pH	8.06	SU	CAMO-15-91419
R-55 S1	860	10/15/14	WG	pH	8.26	SU	CAMO-14-87138
R-55 S1	860	07/11/14	WG	pH	8.12	SU	CAMO-14-81469
R-55 S1	860	04/07/14	WG	pH	8.18	SU	CAMO-14-57544
R-55 S1	860	04/20/15	WG	Specific Conductance	176	µS/cm	CAMO-15-94138
R-55 S1	860	01/08/15	WG	Specific Conductance	178	µS/cm	CAMO-15-91419
R-55 S1	860	10/15/14	WG	Specific Conductance	175	µS/cm	CAMO-14-87138
R-55 S1	860	07/11/14	WG	Specific Conductance	178	µS/cm	CAMO-14-81469
R-55 S1	860	04/07/14	WG	Specific Conductance	176	µS/cm	CAMO-14-57544
R-55 S1	860	04/20/15	WG	Temperature	22.57	deg C	CAMO-15-94138
R-55 S1	860	01/08/15	WG	Temperature	22.03	deg C	CAMO-15-91419
R-55 S1	860	10/15/14	WG	Temperature	22.48	deg C	CAMO-14-87138
R-55 S1	860	07/11/14	WG	Temperature	22.71	deg C	CAMO-14-81469
R-55 S1	860	04/07/14	WG	Temperature	21.7	deg C	CAMO-14-57544
R-55 S1	860	04/20/15	WG	Turbidity	0.66	NTU	CAMO-15-94138
R-55 S1	860	01/08/15	WG	Turbidity	0.3	NTU	CAMO-15-91419

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-55 S1	860	10/15/14	WG	Turbidity	0.1	NTU	CAMO-14-87138
R-55 S1	860	07/11/14	WG	Turbidity	0.31	NTU	CAMO-14-81469
R-55 S1	860	04/07/14	WG	Turbidity	0.19	NTU	CAMO-14-57544
R-55 S2	994.4	04/20/15	WG	Dissolved Oxygen	5.72	mg/L	CAMO-15-94139
R-55 S2	994.4	10/15/14	WG	Dissolved Oxygen	5.64	mg/L	CAMO-14-87139
R-55 S2	994.4	04/07/14	WG	Dissolved Oxygen	5.72	mg/L	CAMO-14-57545
R-55 S2	994.4	12/02/13	WG	Dissolved Oxygen	5.63	mg/L	CAMO-14-49332
R-55 S2	994.4	04/18/13	WG	Dissolved Oxygen	5.42	mg/L	CAMO-13-29630
R-55 S2	994.4	04/20/15	WG	Flow (in gpm)	2.8	gpm	CAMO-15-94139
R-55 S2	994.4	10/15/14	WG	Flow (in gpm)	2.65	gpm	CAMO-14-87139
R-55 S2	994.4	04/07/14	WG	Flow (in gpm)	2.67	gpm	CAMO-14-57545
R-55 S2	994.4	10/31/11	WG	Flow (in gpm)	2.6	gpm	CAPA-12-1204
R-55 S2	994.4	07/14/11	WG	Flow (in gpm)	2.5	gpm	CAPA-11-14737
R-55 S2	994.4	07/14/11	WG	Flow (in gpm)	2.5	gpm	CAPA-11-14739
R-55 S2	994.4	07/14/11	WG	Flow (in gpm)	2.5	gpm	CAPA-11-23024
R-55 S2	994.4	04/20/15	WG	Oxidation-Reduction Potential	95.3	mV	CAMO-15-94139
R-55 S2	994.4	10/15/14	WG	Oxidation-Reduction Potential	199.7	mV	CAMO-14-87139
R-55 S2	994.4	04/07/14	WG	Oxidation-Reduction Potential	55.2	mV	CAMO-14-57545
R-55 S2	994.4	12/02/13	WG	Oxidation-Reduction Potential	46.9	mV	CAMO-14-49332
R-55 S2	994.4	04/18/13	WG	Oxidation-Reduction Potential	55.8	mV	CAMO-13-29630
R-55 S2	994.4	04/20/15	WG	pH	8.41	SU	CAMO-15-94139
R-55 S2	994.4	10/15/14	WG	pH	8.47	SU	CAMO-14-87139
R-55 S2	994.4	04/07/14	WG	pH	8.39	SU	CAMO-14-57545
R-55 S2	994.4	12/02/13	WG	pH	8.42	SU	CAMO-14-49332
R-55 S2	994.4	04/18/13	WG	pH	8.49	SU	CAMO-13-29630
R-55 S2	994.4	04/20/15	WG	Specific Conductance	176	µS/cm	CAMO-15-94139
R-55 S2	994.4	10/15/14	WG	Specific Conductance	177	µS/cm	CAMO-14-87139
R-55 S2	994.4	04/07/14	WG	Specific Conductance	178	µS/cm	CAMO-14-57545

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-55 S2	994.4	12/02/13	WG	Specific Conductance	178	µS/cm	CAMO-14-49332
R-55 S2	994.4	04/18/13	WG	Specific Conductance	175	µS/cm	CAMO-13-29630
R-55 S2	994.4	04/20/15	WG	Temperature	22.32	deg C	CAMO-15-94139
R-55 S2	994.4	10/15/14	WG	Temperature	22.74	deg C	CAMO-14-87139
R-55 S2	994.4	04/07/14	WG	Temperature	22.34	deg C	CAMO-14-57545
R-55 S2	994.4	12/02/13	WG	Temperature	21.59	deg C	CAMO-14-49332
R-55 S2	994.4	04/18/13	WG	Temperature	21.12	deg C	CAMO-13-29630
R-55 S2	994.4	04/20/15	WG	Turbidity	0.53	NTU	CAMO-15-94139
R-55 S2	994.4	10/15/14	WG	Turbidity	0.2	NTU	CAMO-14-87139
R-55 S2	994.4	04/07/14	WG	Turbidity	0.28	NTU	CAMO-14-57545
R-55 S2	994.4	12/02/13	WG	Turbidity	0.33	NTU	CAMO-14-49332
R-55 S2	994.4	04/18/13	WG	Turbidity	0	NTU	CAMO-13-29630
R-55i	510	04/07/15	WG	Dissolved Oxygen	3.73	mg/L	CAMO-15-94140
R-55i	510	10/17/14	WG	Dissolved Oxygen	3.46	mg/L	CAMO-14-87140
R-55i	510	04/16/14	WG	Dissolved Oxygen	3.46	mg/L	CAMO-14-57546
R-55i	510	12/12/13	WG	Dissolved Oxygen	3.15	mg/L	CAMO-14-49333
R-55i	510	04/18/13	WG	Dissolved Oxygen	2.85	mg/L	CAMO-13-29631
R-55i	510	04/07/15	WG	Flow (in gpm)	2.46	gpm	CAMO-15-94140
R-55i	510	10/17/14	WG	Flow (in gpm)	2.5	gpm	CAMO-14-87140
R-55i	510	04/16/14	WG	Flow (in gpm)	2.2	gpm	CAMO-14-57546
R-55i	510	11/01/11	WG	Flow (in gpm)	2.2	gpm	CAPA-12-1224
R-55i	510	11/01/11	WG	Flow (in gpm)	2.2	gpm	CAPA-12-1284
R-55i	510	11/01/11	WG	Flow (in gpm)	2.2	gpm	CAPA-12-1286
R-55i	510	11/01/11	WG	Flow (in gpm)	2.2	gpm	CAPA-12-1288
R-55i	510	11/01/11	WG	Flow (in gpm)	2.2	gpm	CAPA-12-1290
R-55i	510	07/18/11	WG	Flow (in gpm)	2.3	gpm	CAPA-11-14771
R-55i	510	07/18/11	WG	Flow (in gpm)	2.3	gpm	CAPA-11-22978
R-55i	510	07/18/11	WG	Flow (in gpm)	2.3	gpm	CAPA-11-14767

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-55i	510	07/18/11	WG	Flow (in gpm)	2.3	gpm	CAPA-11-14769
R-55i	510	04/07/15	WG	Oxidation-Reduction Potential	1	mV	CAMO-15-94140
R-55i	510	10/17/14	WG	Oxidation-Reduction Potential	-20.9	mV	CAMO-14-87140
R-55i	510	04/16/14	WG	Oxidation-Reduction Potential	-25.6	mV	CAMO-14-57546
R-55i	510	12/12/13	WG	Oxidation-Reduction Potential	-36.8	mV	CAMO-14-49333
R-55i	510	04/18/13	WG	Oxidation-Reduction Potential	-81.7	mV	CAMO-13-29631
R-55i	510	04/07/15	WG	pH	7.33	SU	CAMO-15-94140
R-55i	510	10/17/14	WG	pH	7.39	SU	CAMO-14-87140
R-55i	510	04/16/14	WG	pH	7.33	SU	CAMO-14-57546
R-55i	510	12/12/13	WG	pH	7.21	SU	CAMO-14-49333
R-55i	510	04/18/13	WG	pH	7.16	SU	CAMO-13-29631
R-55i	510	04/07/15	WG	Specific Conductance	312	µS/cm	CAMO-15-94140
R-55i	510	10/17/14	WG	Specific Conductance	314	µS/cm	CAMO-14-87140
R-55i	510	04/16/14	WG	Specific Conductance	317	µS/cm	CAMO-14-57546
R-55i	510	12/12/13	WG	Specific Conductance	323	µS/cm	CAMO-14-49333
R-55i	510	04/18/13	WG	Specific Conductance	318	µS/cm	CAMO-13-29631
R-55i	510	04/07/15	WG	Temperature	18.37	deg C	CAMO-15-94140
R-55i	510	10/17/14	WG	Temperature	18.19	deg C	CAMO-14-87140
R-55i	510	04/16/14	WG	Temperature	18.42	deg C	CAMO-14-57546
R-55i	510	12/12/13	WG	Temperature	16.65	deg C	CAMO-14-49333
R-55i	510	04/18/13	WG	Temperature	16.95	deg C	CAMO-13-29631
R-55i	510	04/07/15	WG	Turbidity	0.1	NTU	CAMO-15-94140
R-55i	510	10/17/14	WG	Turbidity	0.9	NTU	CAMO-14-87140
R-55i	510	04/16/14	WG	Turbidity	0.7	NTU	CAMO-14-57546
R-55i	510	12/12/13	WG	Turbidity	1.1	NTU	CAMO-14-49333
R-55i	510	04/18/13	WG	Turbidity	0.5	NTU	CAMO-13-29631
R-56 S1	945	04/22/15	WG	Dissolved Oxygen	6.46	mg/L	CAPA-15-93464
R-56 S1	945	01/14/15	WG	Dissolved Oxygen	6.63	mg/L	CAPA-15-91449

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-56 S1	945	10/30/14	WG	Dissolved Oxygen	6.79	mg/L	CAPA-14-87204
R-56 S1	945	07/17/14	WG	Dissolved Oxygen	6.74	mg/L	CAPA-14-81483
R-56 S1	945	04/18/14	WG	Dissolved Oxygen	6.5	mg/L	CAPA-14-57753
R-56 S1	945	04/22/15	WG	Flow (in gpm)	4	gpm	CAPA-15-93464
R-56 S1	945	01/14/15	WG	Flow (in gpm)	4.2	gpm	CAPA-15-91449
R-56 S1	945	10/30/14	WG	Flow (in gpm)	4.2	gpm	CAPA-14-87204
R-56 S1	945	07/17/14	WG	Flow (in gpm)	4.05	gpm	CAPA-14-81483
R-56 S1	945	04/18/14	WG	Flow (in gpm)	4.16	gpm	CAPA-14-57753
R-56 S1	945	04/22/15	WG	Oxidation-Reduction Potential	170.6	mV	CAPA-15-93464
R-56 S1	945	01/14/15	WG	Oxidation-Reduction Potential	-81	mV	CAPA-15-91449
R-56 S1	945	10/30/14	WG	Oxidation-Reduction Potential	74	mV	CAPA-14-87204
R-56 S1	945	07/17/14	WG	Oxidation-Reduction Potential	72.2	mV	CAPA-14-81483
R-56 S1	945	04/18/14	WG	Oxidation-Reduction Potential	171.4	mV	CAPA-14-57753
R-56 S1	945	04/22/15	WG	pH	7.96	SU	CAPA-15-93464
R-56 S1	945	01/14/15	WG	pH	7.84	SU	CAPA-15-91449
R-56 S1	945	10/30/14	WG	pH	8.07	SU	CAPA-14-87204
R-56 S1	945	07/17/14	WG	pH	7.99	SU	CAPA-14-81483
R-56 S1	945	04/18/14	WG	pH	8.02	SU	CAPA-14-57753
R-56 S1	945	04/22/15	WG	Specific Conductance	145	µS/cm	CAPA-15-93464
R-56 S1	945	01/14/15	WG	Specific Conductance	149	µS/cm	CAPA-15-91449
R-56 S1	945	10/30/14	WG	Specific Conductance	150	µS/cm	CAPA-14-87204
R-56 S1	945	07/17/14	WG	Specific Conductance	151	µS/cm	CAPA-14-81483
R-56 S1	945	04/18/14	WG	Specific Conductance	155	µS/cm	CAPA-14-57753
R-56 S1	945	04/22/15	WG	Temperature	21.09	deg C	CAPA-15-93464
R-56 S1	945	01/14/15	WG	Temperature	18.95	deg C	CAPA-15-91449
R-56 S1	945	10/30/14	WG	Temperature	21.11	deg C	CAPA-14-87204
R-56 S1	945	07/17/14	WG	Temperature	21.42	deg C	CAPA-14-81483
R-56 S1	945	04/18/14	WG	Temperature	20.41	deg C	CAPA-14-57753

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-56 S1	945	04/22/15	WG	Turbidity	0.82	NTU	CAPA-15-93464
R-56 S1	945	01/14/15	WG	Turbidity	0.3	NTU	CAPA-15-91449
R-56 S1	945	10/30/14	WG	Turbidity	0.21	NTU	CAPA-14-87204
R-56 S1	945	07/17/14	WG	Turbidity	0.32	NTU	CAPA-14-81483
R-56 S1	945	04/18/14	WG	Turbidity	0	NTU	CAPA-14-57753
R-57 S1	910	04/15/15	WG	Dissolved Oxygen	5.29	mg/L	CAPA-15-93466
R-57 S1	910	01/12/15	WG	Dissolved Oxygen	5.3	mg/L	CAPA-15-91450
R-57 S1	910	10/16/14	WG	Dissolved Oxygen	5.23	mg/L	CAPA-14-87206
R-57 S1	910	07/14/14	WG	Dissolved Oxygen	5.24	mg/L	CAPA-14-81484
R-57 S1	910	04/03/14	WG	Dissolved Oxygen	5.18	mg/L	CAPA-14-57755
R-57 S1	910	04/15/15	WG	Flow (in gpm)	3.6	gpm	CAPA-15-93466
R-57 S1	910	01/12/15	WG	Flow (in gpm)	3.57	gpm	CAPA-15-91450
R-57 S1	910	10/16/14	WG	Flow (in gpm)	3.57	gpm	CAPA-14-87206
R-57 S1	910	07/14/14	WG	Flow (in gpm)	3.53	gpm	CAPA-14-81484
R-57 S1	910	04/03/14	WG	Flow (in gpm)	3.57	gpm	CAPA-14-57755
R-57 S1	910	04/15/15	WG	Oxidation-Reduction Potential	87.4	mV	CAPA-15-93466
R-57 S1	910	01/12/15	WG	Oxidation-Reduction Potential	-94.3	mV	CAPA-15-91450
R-57 S1	910	10/16/14	WG	Oxidation-Reduction Potential	27.2	mV	CAPA-14-87206
R-57 S1	910	07/14/14	WG	Oxidation-Reduction Potential	19.7	mV	CAPA-14-81484
R-57 S1	910	04/03/14	WG	Oxidation-Reduction Potential	106.1	mV	CAPA-14-57755
R-57 S1	910	04/15/15	WG	pH	7.79	SU	CAPA-15-93466
R-57 S1	910	01/12/15	WG	pH	7.62	SU	CAPA-15-91450
R-57 S1	910	10/16/14	WG	pH	7.62	SU	CAPA-14-87206
R-57 S1	910	07/14/14	WG	pH	7.87	SU	CAPA-14-81484
R-57 S1	910	04/03/14	WG	pH	7.83	SU	CAPA-14-57755
R-57 S1	910	04/15/15	WG	Specific Conductance	141	µS/cm	CAPA-15-93466
R-57 S1	910	01/12/15	WG	Specific Conductance	141	µS/cm	CAPA-15-91450
R-57 S1	910	10/16/14	WG	Specific Conductance	140	µS/cm	CAPA-14-87206

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-57 S1	910	07/14/14	WG	Specific Conductance	146	µS/cm	CAPA-14-81484
R-57 S1	910	04/03/14	WG	Specific Conductance	144	µS/cm	CAPA-14-57755
R-57 S1	910	04/15/15	WG	Temperature	22.56	deg C	CAPA-15-93466
R-57 S1	910	01/12/15	WG	Temperature	21.65	deg C	CAPA-15-91450
R-57 S1	910	10/16/14	WG	Temperature	22.4	deg C	CAPA-14-87206
R-57 S1	910	07/14/14	WG	Temperature	23.23	deg C	CAPA-14-81484
R-57 S1	910	04/03/14	WG	Temperature	21.93	deg C	CAPA-14-57755
R-57 S1	910	04/15/15	WG	Turbidity	0.1	NTU	CAPA-15-93466
R-57 S1	910	01/12/15	WG	Turbidity	0.2	NTU	CAPA-15-91450
R-57 S1	910	10/16/14	WG	Turbidity	0.31	NTU	CAPA-14-87206
R-57 S1	910	07/14/14	WG	Turbidity	0.27	NTU	CAPA-14-81484
R-57 S1	910	04/03/14	WG	Turbidity	0.5	NTU	CAPA-14-57755
R-57 S2	971.5	04/15/15	WG	Dissolved Oxygen	5.58	mg/L	CAPA-15-93467
R-57 S2	971.5	10/16/14	WG	Dissolved Oxygen	5.24	mg/L	CAPA-14-87207
R-57 S2	971.5	04/03/14	WG	Dissolved Oxygen	5.85	mg/L	CAPA-14-57756
R-57 S2	971.5	12/05/13	WG	Dissolved Oxygen	5.9	mg/L	CAPA-14-49401
R-57 S2	971.5	04/10/13	WG	Dissolved Oxygen	5.75	mg/L	CAPA-13-29585
R-57 S2	971.5	04/15/15	WG	Flow (in gpm)	3.6	gpm	CAPA-15-93467
R-57 S2	971.5	10/16/14	WG	Flow (in gpm)	3.57	gpm	CAPA-14-87207
R-57 S2	971.5	04/03/14	WG	Flow (in gpm)	3.66	gpm	CAPA-14-57756
R-57 S2	971.5	12/05/13	WG	Flow (in gpm)	3.6	gpm	CAPA-14-49401
R-57 S2	971.5	10/21/11	WG	Flow (in gpm)	3.3	gpm	CAPA-12-1218
R-57 S2	971.5	04/15/15	WG	Oxidation-Reduction Potential	73.3	mV	CAPA-15-93467
R-57 S2	971.5	10/16/14	WG	Oxidation-Reduction Potential	-4.4	mV	CAPA-14-87207
R-57 S2	971.5	04/03/14	WG	Oxidation-Reduction Potential	105.9	mV	CAPA-14-57756
R-57 S2	971.5	12/05/13	WG	Oxidation-Reduction Potential	66.6	mV	CAPA-14-49401
R-57 S2	971.5	04/10/13	WG	Oxidation-Reduction Potential	47.7	mV	CAPA-13-29585
R-57 S2	971.5	04/15/15	WG	pH	7.83	SU	CAPA-15-93467

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-57 S2	971.5	10/16/14	WG	pH	7.66	SU	CAPA-14-87207
R-57 S2	971.5	04/03/14	WG	pH	7.81	SU	CAPA-14-57756
R-57 S2	971.5	12/05/13	WG	pH	7.85	SU	CAPA-14-49401
R-57 S2	971.5	04/10/13	WG	pH	7.75	SU	CAPA-13-29585
R-57 S2	971.5	04/15/15	WG	Specific Conductance	137	µS/cm	CAPA-15-93467
R-57 S2	971.5	10/16/14	WG	Specific Conductance	137	µS/cm	CAPA-14-87207
R-57 S2	971.5	04/03/14	WG	Specific Conductance	138	µS/cm	CAPA-14-57756
R-57 S2	971.5	12/05/13	WG	Specific Conductance	134	µS/cm	CAPA-14-49401
R-57 S2	971.5	04/10/13	WG	Specific Conductance	138	µS/cm	CAPA-13-29585
R-57 S2	971.5	04/15/15	WG	Temperature	23.05	deg C	CAPA-15-93467
R-57 S2	971.5	10/16/14	WG	Temperature	23.22	deg C	CAPA-14-87207
R-57 S2	971.5	04/03/14	WG	Temperature	21.13	deg C	CAPA-14-57756
R-57 S2	971.5	12/05/13	WG	Temperature	21.7	deg C	CAPA-14-49401
R-57 S2	971.5	04/10/13	WG	Temperature	22.12	deg C	CAPA-13-29585
R-57 S2	971.5	04/15/15	WG	Turbidity	0.8	NTU	CAPA-15-93467
R-57 S2	971.5	10/16/14	WG	Turbidity	0.45	NTU	CAPA-14-87207
R-57 S2	971.5	04/03/14	WG	Turbidity	0.5	NTU	CAPA-14-57756
R-57 S2	971.5	12/05/13	WG	Turbidity	0.8	NTU	CAPA-14-49401
R-57 S2	971.5	04/10/13	WG	Turbidity	2.2	NTU	CAPA-13-29585

[a] WG = Groundwater.

[b] gpm = Gallons per minute.

[c] SU = Standard unit.

[d] NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

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

Acronyms and Abbreviations

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

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

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Secondary Validation Flag Codes

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

Table C-1 TA-54 Monitoring Group Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-23	816	01/13/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0277	0.129	0.472	—	pCi/L	Y	U	U	2015-660	CAPA-15-92458	GELC
R-23	816	10/17/14	WG	UF	RE	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	0.9	0.179	0.481	—	pCi/L	Y	—	J	2015-105	CAPA-14-87184	GELC
R-23	816	10/17/14	WG	UF	RE	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0572	0.116	0.389	—	pCi/L	Y	U	U	2015-105	CAPA-14-87184	GELC
R-23	816	10/17/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	1.21	0.187	0.468	—	pCi/L	Y	—	NQ	2015-105	CAPA-14-87184	GELC
R-23	816	12/04/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.421	0.152	0.479	—	pCi/L	Y	U	U	2014-2618	CAPA-14-49378	GELC
R-23	816	10/12/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.119	0.139	0.496	—	pCi/L	Y	U	U	2013-70	CAPA-12-23797	GELC
R-23	816	10/26/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0278	0.13	0.47	—	pCi/L	Y	U	U	12-187	CAPA-12-1139	GELC
R-23	816	08/12/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.161	0.14	0.49	—	pCi/L	Y	U	U	10-4140	CAPA-10-24120	GELC
R-23	816	08/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.139	0.11	0.36	—	pCi/L	Y	U	U	10-4140	CAPA-10-24119	GELC
R-23	816	01/09/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.872	0.698	2.042	—	pCi/L	Y	U	U	2015-666	CAPA-15-91441	ARSL
R-23	816	10/17/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.852	0.76	2.608	—	pCi/L	Y	U	U	2015-120	CAPA-14-87184	ARSL
R-23	816	07/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.366	0.613	1.871	—	pCi/L	Y	U	U	2014-3873	CAPA-14-81480	ARSL
R-23	816	04/04/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.06	0.58	1.97	—	pCi/L	Y	U	U	2014-3169	CAPA-14-57733	ARSL
R-23	816	01/07/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.667	0.636	2.091	—	pCi/L	Y	U	U	2014-2748	CAPA-14-49709	ARSL
R-23	816	01/07/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.972	0.572	1.954	—	pCi/L	Y	U	U	2014-2748	CAPA-14-49702	ARSL
R-23i S3	524	01/13/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.249	0.147	0.483	—	pCi/L	Y	U	U	2015-660	CAPA-15-92459	GELC
R-23i S3	524	10/20/14	WG	UF	RE	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	3.64	0.244	0.499	—	pCi/L	Y	—	NQ	2015-113	CAPA-14-87187	GELC
R-23i S3	524	10/20/14	WG	UF	RE	FD	RAD	EPA:905.0	Strontium-90	Sr-90	Y	13.8	0.351	0.496	—	pCi/L	Y	—	NQ	2015-113	CAPA-14-87152	GELC
R-23i S3	524	10/20/14	WG	UF	RE	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0645	0.106	0.359	—	pCi/L	Y	U	U	2015-113	CAPA-14-87187	GELC
R-23i S3	524	10/20/14	WG	UF	RE	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.153	0.12	0.413	—	pCi/L	Y	U	U	2015-113	CAPA-14-87152	GELC
R-23i S3	524	10/20/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	0.821	0.186	0.5	—	pCi/L	Y	—	NQ	2015-113	CAPA-14-87187	GELC
R-23i S3	524	10/20/14	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	Y	0.652	0.156	0.419	—	pCi/L	Y	—	NQ	2015-113	CAPA-14-87152	GELC
R-23i S3	524	12/04/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0516	0.12	0.493	—	pCi/L	Y	U	U	2014-2618	CAPA-14-49381	GELC
R-23i S3	524	10/10/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.183	0.13	0.435	—	pCi/L	Y	U	U	2013-70	CAPA-12-23800	GELC
R-23i S3	524	10/26/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0813	0.13	0.46	—	pCi/L	Y	U	U	12-187	CAPA-12-1121	GELC
R-23i S3	524	08/04/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.136	0.14	0.48	—	pCi/L	Y	U	U	10-3999	CAPA-10-24086	GELC
R-37 S1	929.3	01/13/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	30.411	4.704	2.235	—	pCi/L	Y	—	NQ	2015-667	CAMO-15-91417	ARSL
R-37 S1	929.3	10/15/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	33.122	5.096	2.06	—	pCi/L	Y	—	J+	2015-92	CAMO-14-87135	ARSL
R-37 S1	929.3	07/10/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	14.876	2.398	2.083	—	pCi/L	Y	—	J-	2014-3869	CAMO-14-81467	ARSL
R-37 S1	929.3	06/10/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	17.67	3.11	4.39	—	pCi/L	Y	—	NQ	2014-3540	CAMO-14-57541	ARSL
R-37 S1	929.3	06/10/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	14.61	2.83	5.08	—	pCi/L	Y	—	NQ	2014-3540	CAMO-14-57532	ARSL
R-37 S1	929.3	12/05/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	28.477	4.38	1.755	—	pCi/L	Y	—	J-	2014-2650	CAMO-14-49328	ARSL
R-37 S2	1026	01/07/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.213	0.717	2.007	—	pCi/L	Y	—	NQ	2015-667	CAMO-15-91418	ARSL
R-37 S2	1026	01/07/15	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.964	0.64	2.053	—	pCi/L	Y	U	U	2015-667	CAMO-15-91409	ARSL
R-37 S2	1026	10/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.967	0.704	2.032	—	pCi/L	Y	U	U	2015-92	CAMO-14-87136	ARSL
R-37 S2	1026	07/09/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.979	0.72	2.091	—	pCi/L	Y	U	U	2014-3726	CAMO-14-81468	ARSL
R-37 S2	1026	04/16/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.456	0.641	2.137	—	pCi/L	Y	U	U	2014-3280	CAMO-14-57542	ARSL
R-37 S2	1026	01/07/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.696	0.647	2.125	—	pCi/L	Y	U	U	2014-2747	CAMO-14-49724	ARSL
R-39	859	01/07/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.49	0.711	1.882	—	pCi/L	Y	—	NQ	2015-666	CAPA-15-91444	ARSL
R-39	859	10/21/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.119	0.76	2.591	—	pCi/L	Y	U	U	2015-135	CAPA-14-87189	ARSL
R-39	859	07/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.762	0.622	2.027	—	pCi/L	Y	U	U	2014-3873	CAPA-14-81481	ARSL
R-39	859	04/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.141	0.587	2.004	—	pCi/L	Y	U	U	2014-3211	CAPA-14-57738	ARSL

Table C-1 TA-54 Monitoring Group Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-39	859	01/24/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.994	0.624	1.991	—	pCi/L	Y	U	U	2014-2828	CAPA-14-49710	ARSL
R-41 S2	965.3	01/08/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.16	0.694	2.204	—	pCi/L	Y	U	U	2015-666	CAPA-15-91445	ARSL
R-41 S2	965.3	10/21/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.741	0.679	2.331	—	pCi/L	Y	U	U	2015-135	CAPA-14-87193	ARSL
R-41 S2	965.3	07/09/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.615	0.638	2.107	—	pCi/L	Y	U	U	2014-3725	CAPA-14-81482	ARSL
R-41 S2	965.3	04/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.177	0.639	2.159	—	pCi/L	Y	U	U	2014-3211	CAPA-14-57742	ARSL
R-41 S2	965.3	01/16/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.769	0.679	2.224	—	pCi/L	Y	U	U	2014-2799	CAPA-14-49711	ARSL
R-55 S1	860	01/08/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.369	0.646	2.169	—	pCi/L	Y	U	U	2015-667	CAMO-15-91419	ARSL
R-55 S1	860	10/15/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.584	0.656	1.967	—	pCi/L	Y	U	U	2015-92	CAMO-14-87138	ARSL
R-55 S1	860	07/11/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.887	0.629	2.029	—	pCi/L	Y	U	U	2014-3869	CAMO-14-81469	ARSL
R-55 S1	860	04/07/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.723	0.718	2.157	—	pCi/L	Y	U	U	2014-3168	CAMO-14-57544	ARSL
R-55 S1	860	01/08/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.726	0.681	2.025	—	pCi/L	Y	U	U	2014-2747	CAMO-14-49725	ARSL
R-56 S1	945	01/14/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.141	0.645	2.188	—	pCi/L	Y	U	U	2015-712	CAPA-15-91449	ARSL
R-56 S1	945	10/30/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.464	0.707	2.363	—	pCi/L	Y	U	U	2015-228	CAPA-14-87204	ARSL
R-56 S1	945	10/30/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.613	0.816	2.811	—	pCi/L	Y	U	U	2015-228	CAPA-14-87154	ARSL
R-56 S1	945	07/17/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.454	0.622	2.075	—	pCi/L	Y	U	U	2014-4000	CAPA-14-81483	ARSL
R-56 S1	945	04/18/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.493	0.528	1.815	—	pCi/L	Y	U	U	2014-3281	CAPA-14-57753	ARSL
R-56 S1	945	01/23/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.388	0.61	2.098	—	pCi/L	Y	U	U	2014-2800	CAPA-14-49712	ARSL
R-57 S1	910	01/12/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.704	0.738	2.235	—	pCi/L	Y	U	U	2015-666	CAPA-15-91450	ARSL
R-57 S1	910	10/16/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.931	0.771	2.642	—	pCi/L	Y	U	U	2015-120	CAPA-14-87206	ARSL
R-57 S1	910	07/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.372	0.592	1.98	—	pCi/L	Y	U	U	2014-3873	CAPA-14-81484	ARSL
R-57 S1	910	07/14/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.26	0.658	2.056	—	pCi/L	Y	U	U	2014-3873	CAPA-14-81474	ARSL
R-57 S1	910	04/03/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.16	0.7	2.39	—	pCi/L	Y	U	U	2014-3169	CAPA-14-57755	ARSL
R-57 S1	910	04/03/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.75	0.86	2.96	—	pCi/L	Y	U	U	2014-3169	CAPA-14-57706	ARSL
R-57 S1	910	01/08/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.701	0.619	2.027	—	pCi/L	Y	U	U	2014-2748	CAPA-14-49713	ARSL

Table C-2 TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-20 S1	904.6	04/21/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.739	0.668	2.191	—	pCi/L	Y	U	U	2015-1090	CAPA-15-93442	ARSL
R-20 S1	904.6	10/31/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.225	0.594	2.037	—	pCi/L	Y	U	U	2015-228	CAPA-14-87182	ARSL
R-20 S1	904.6	04/03/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.87	0.66	2.13	—	pCi/L	Y	U	U	2014-3169	CAPA-14-57731	ARSL
R-20 S1	904.6	12/17/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.983	0.629	2.013	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49376	ARSL
R-20 S1	904.6	04/10/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.36	0.685	2.299	—	pCi/L	Y	U	U	2013-738	CAPA-13-29560	ARSL
R-20 S2	1147.1	04/16/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	7.662	1.748	3.948	—	pCi/L	Y	—	J+	2015-1090	CAPA-15-93443	ARSL
R-20 S2	1147.1	10/20/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.39	0.765	2.619	—	pCi/L	Y	U	U	2015-120	CAPA-14-87183	ARSL
R-20 S2	1147.1	04/01/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.63	0.654	2.246	—	pCi/L	Y	U	U	2014-3113	CAPA-14-57732	ARSL
R-20 S2	1147.1	12/06/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.011	0.64	2.044	—	pCi/L	Y	U	U	2014-2651	CAPA-14-49377	ARSL
R-20 S2	1147.1	04/08/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.986	0.697	2.248	—	pCi/L	Y	U	U	2013-710	CAPA-13-29561	ARSL
R-20 S2	1147.1	04/16/15	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.51	—	—	0.3	µg/L	Y	HJ	J-	2015-1064	CAPA-15-93443	GELC
R-20 S2	1147.1	10/20/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.69	—	—	0.3	µg/L	Y	J	J	2015-113	CAPA-14-87183	GELC
R-20 S2	1147.1	04/01/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.75	—	—	0.3	µg/L	Y	J	J	2014-3106	CAPA-14-57732	GELC
R-20 S2	1147.1	12/06/13	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.62	—	—	0.3	µg/L	Y	J	J	2014-2635	CAPA-14-49377	GELC
R-20 S2	1147.1	04/08/13	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	1	—	—	0.3	µg/L	Y	J	J	2013-702	CAPA-13-29561	GELC
R-20 S2	1147.1	04/08/13	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	Y	0.71	—	—	0.3	µg/L	Y	J	J	2013-703	CAPA-13-30294	GELC
R-21	888.8	04/06/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.809	0.732	2.4	—	pCi/L	Y	U	U	2015-1004	CAMO-15-94134	ARSL
R-21	888.8	10/23/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.428	0.824	2.832	—	pCi/L	Y	U	U	2015-184	CAMO-14-87134	ARSL
R-21	888.8	04/11/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.791	0.527	1.804	—	pCi/L	Y	U	U	2014-3212	CAMO-14-57540	ARSL
R-21	888.8	12/09/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.303	0.669	2.086	—	pCi/L	Y	U	U	2014-2650	CAMO-14-49327	ARSL
R-21	888.8	04/22/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.795	0.688	2.252	—	pCi/L	Y	U	U	2013-764	CAMO-13-29625	ARSL
R-23	816	04/08/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.023	0.674	2.161	—	pCi/L	Y	U	U	2015-1006	CAPA-15-93444	ARSL
R-23	816	01/09/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.872	0.698	2.042	—	pCi/L	Y	U	U	2015-666	CAPA-15-91441	ARSL
R-23	816	10/17/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.852	0.76	2.608	—	pCi/L	Y	U	U	2015-120	CAPA-14-87184	ARSL
R-23	816	07/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.366	0.613	1.871	—	pCi/L	Y	U	U	2014-3873	CAPA-14-81480	ARSL
R-23	816	04/04/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.06	0.58	1.97	—	pCi/L	Y	U	U	2014-3169	CAPA-14-57733	ARSL
R-23i S2	470.2	04/07/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	19.754	3.142	2.378	—	pCi/L	Y	—	NQ	2015-1003	CAPA-15-93446	ARSL
R-23i S2	470.2	04/07/15	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	19.122	3.056	2.437	—	pCi/L	Y	—	NQ	2015-1003	CAPA-15-93394	ARSL
R-23i S2	470.2	10/29/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	22.491	3.586	2.81	—	pCi/L	Y	—	NQ	2015-196	CAPA-14-87186	ARSL
R-23i S2	470.2	04/16/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	15.454	2.475	2.056	—	pCi/L	Y	—	J-	2014-3281	CAPA-14-57735	ARSL
R-23i S2	470.2	12/03/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	11.055	1.942	2.878	—	pCi/L	Y	—	U	2014-2606	CAPA-14-49380	ARSL
R-23i S2	470.2	04/22/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	16.617	2.669	2.238	—	pCi/L	Y	—	NQ	2013-765	CAPA-13-29564	ARSL
R-23i S3	524	04/08/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	19.362	3.089	2.415	—	pCi/L	Y	—	NQ	2015-1006	CAPA-15-93447	ARSL
R-23i S3	524	10/20/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	19.657	3.148	2.628	—	pCi/L	Y	—	J-	2015-120	CAPA-14-87187	ARSL
R-23i S3	524	10/20/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	20.847	3.29	2.32	—	pCi/L	Y	—	J-	2015-120	CAPA-14-87152	ARSL
R-23i S3	524	04/04/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	15.79	2.47	1.52	—	pCi/L	Y	—	J-	2014-3169	CAPA-14-57736	ARSL
R-23i S3	524	12/04/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	17.653	2.801	2.017	—	pCi/L	Y	—	J-	2014-2651	CAPA-14-49381	ARSL
R-23i S3	524	04/23/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	19.009	2.988	1.94	—	pCi/L	Y	—	NQ	2013-765	CAPA-13-29565	ARSL
R-32 S1	867.5	04/17/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.045	0.78	2.294	—	pCi/L	Y	U	U	2015-1090	CAPA-15-93448	ARSL
R-32 S1	867.5	10/21/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.511	0.723	2.479	—	pCi/L	Y	U	U	2015-135	CAPA-14-87188	ARSL
R-32 S1	867.5	04/04/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.35	0.44	1.46	—	pCi/L	Y	U	U	2014-3169	CAPA-14-57737	ARSL
R-32 S1	867.5	12/04/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.355	0.613	2.059	—	pCi/L	Y	U	U	2014-2651	CAPA-14-49382	ARSL
R-32 S1	867.5	04/09/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.045	0.61	2.076	—	pCi/L	Y	U	U	2013-710	CAPA-13-29566	ARSL
R-37 S1	929.3	04/08/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	4.23	—	—	3	µg/L	Y	J	J	2015-1009	CAMO-15-94135	GELC
R-37 S1	929.3	10/15/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	2.41	—	—	2.17	µg/L	Y	J	J	2015-89	CAMO-14-87135	GELC
R-37 S1	929.3	06/10/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	2.92	—	—	2.85	µg/L	Y	J	J	2014-3534	CAMO-14-57541	GELC
R-37 S1	929.3	06/10/14	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	3.35	—	—	2.68	µg/L	Y	J	J	2014-3534	CAMO-14-57532	GELC
R-37 S1	929.3	12/05/13	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	3.95	—	—	3	µg/L	Y	J	J	2014-2628	CAMO-14-49328	GELC
R-37 S1	929.3	04/17/13	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	N	10	—	—	3	µg/L	Y	U	UJ	2013-743	CAMO-13-29626	GELC

Table C-2 TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-37 S1	929.3	04/17/13	WG	UF	INIT	FD	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	N	10.5	—	—	3.16	µg/L	Y	U	UJ	2013-743	CAMO-13-29614	GELC
R-37 S1	929.3	04/08/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	32.055	4.939	2.109	—	pCi/L	Y	—	J-	2015-1048	CAMO-15-94135	ARSL
R-37 S1	929.3	01/13/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	30.411	4.704	2.235	—	pCi/L	Y	—	NQ	2015-667	CAMO-15-91417	ARSL
R-37 S1	929.3	10/15/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	33.122	5.096	2.06	—	pCi/L	Y	—	J+	2015-92	CAMO-14-87135	ARSL
R-37 S1	929.3	07/10/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	14.876	2.398	2.083	—	pCi/L	Y	—	J-	2014-3869	CAMO-14-81467	ARSL
R-37 S1	929.3	06/10/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	17.67	3.11	4.39	—	pCi/L	Y	—	NQ	2014-3540	CAMO-14-57541	ARSL
R-37 S1	929.3	06/10/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	14.61	2.83	5.08	—	pCi/L	Y	—	NQ	2014-3540	CAMO-14-57532	ARSL
R-37 S2	1026	04/09/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.708	0.722	2.382	—	pCi/L	Y	U	U	2015-1048	CAMO-15-94136	ARSL
R-37 S2	1026	01/07/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.213	0.717	2.007	—	pCi/L	Y	—	NQ	2015-667	CAMO-15-91418	ARSL
R-37 S2	1026	01/07/15	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.964	0.64	2.053	—	pCi/L	Y	U	U	2015-667	CAMO-15-91409	ARSL
R-37 S2	1026	10/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.967	0.704	2.032	—	pCi/L	Y	U	U	2015-92	CAMO-14-87136	ARSL
R-37 S2	1026	07/09/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.979	0.72	2.091	—	pCi/L	Y	U	U	2014-3726	CAMO-14-81468	ARSL
R-37 S2	1026	04/16/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.456	0.641	2.137	—	pCi/L	Y	U	U	2014-3280	CAMO-14-57542	ARSL
R-38	821.2	04/07/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.4	0.726	2.438	—	pCi/L	Y	U	U	2015-1004	CAMO-15-94137	ARSL
R-38	821.2	04/07/15	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.142	0.645	2.187	—	pCi/L	Y	U	U	2015-1004	CAMO-15-94127	ARSL
R-38	821.2	10/28/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.528	0.832	2.86	—	pCi/L	Y	U	U	2015-184	CAMO-14-87137	ARSL
R-38	821.2	04/01/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.745	1.123	3.047	—	pCi/L	Y	—	J-	2014-3114	CAMO-14-57543	ARSL
R-38	821.2	12/02/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.937	1.063	3.349	—	pCi/L	Y	U	U	2014-2604	CAMO-14-49330	ARSL
R-38	821.2	12/02/13	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.838	0.815	2.674	—	pCi/L	Y	U	U	2014-2604	CAMO-14-49319	ARSL
R-38	821.2	04/11/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.018	0.666	2.135	—	pCi/L	Y	U	U	2013-737	CAMO-13-29628	ARSL
R-38	821.2	04/11/13	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.426	0.696	2.331	—	pCi/L	Y	U	U	2013-737	CAMO-13-29615	ARSL
R-39	859	04/23/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.773	0.54	1.741	—	pCi/L	Y	U	U	2015-1133	CAPA-15-93449	ARSL
R-39	859	01/07/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.49	0.711	1.882	—	pCi/L	Y	—	NQ	2015-666	CAPA-15-91444	ARSL
R-39	859	10/21/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.119	0.76	2.591	—	pCi/L	Y	U	U	2015-135	CAPA-14-87189	ARSL
R-39	859	07/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.762	0.622	2.027	—	pCi/L	Y	U	U	2014-3873	CAPA-14-81481	ARSL
R-39	859	04/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.141	0.587	2.004	—	pCi/L	Y	U	U	2014-3211	CAPA-14-57738	ARSL
R-40 S1	751.59	04/13/15	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.91	—	—	0.3	µg/L	Y	J	J	2015-1026	CAPA-15-93450	GELC
R-40 S1	751.59	10/28/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.75	—	—	0.3	µg/L	Y	J	J	2015-172	CAPA-14-87190	GELC
R-40 S1	751.59	04/15/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.72	—	—	0.3	µg/L	Y	HJ	J	2014-3229	CAPA-14-57739	GELC
R-40 S1	751.59	12/11/13	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.8	—	—	0.3	µg/L	Y	J	J	2014-2659	CAPA-14-49384	GELC
R-40 S1	751.59	04/17/13	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	1	—	—	0.3	µg/L	Y	U	U	2013-742	CAPA-13-29568	GELC
R-40 S1	751.59	04/13/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.785	0.752	2.266	—	pCi/L	Y	U	U	2015-1047	CAPA-15-93450	ARSL
R-40 S1	751.59	10/28/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.636	0.794	2.731	—	pCi/L	Y	U	U	2015-182	CAPA-14-87190	ARSL
R-40 S1	751.59	04/15/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.106	0.588	2.006	—	pCi/L	Y	U	U	2014-3216	CAPA-14-57739	ARSL
R-40 S1	751.59	12/11/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.537	0.641	2.13	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49384	ARSL
R-40 S1	751.59	04/17/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.426	0.663	2.218	—	pCi/L	Y	U	U	2013-739	CAPA-13-29568	ARSL
R-40 S2	849.27	04/10/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.086	0.669	2.276	—	pCi/L	Y	U	U	2015-1047	CAPA-15-93451	ARSL
R-40 S2	849.27	10/17/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.458	0.707	2.424	—	pCi/L	Y	U	U	2015-120	CAPA-14-87191	ARSL
R-40 S2	849.27	04/07/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.57	0.62	2.04	—	pCi/L	Y	U	U	2014-3169	CAPA-14-57740	ARSL
R-40 S2	849.27	12/03/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.783	0.998	2.917	—	pCi/L	Y	U	U	2014-2606	CAPA-14-49385	ARSL
R-40 S2	849.27	04/16/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.769	0.65	2.124	—	pCi/L	Y	U	U	2013-738	CAPA-13-29569	ARSL
R-40 Si	649.67	04/13/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.857	0.652	2.117	—	pCi/L	Y	U	U	2015-1047	CAPA-15-93452	ARSL
R-40 Si	649.67	10/28/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.321	0.953	3.218	—	pCi/L	Y	U	U	2015-182	CAPA-14-87192	ARSL
R-40 Si	649.67	04/15/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.476	1.106	3.787	—	pCi/L	Y	U	U	2014-3216	CAPA-14-57741	ARSL
R-40 Si	649.67	12/11/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.197	0.626	2.116	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49386	ARSL
R-40 Si	649.67	04/24/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.344	0.686	2.138	—	pCi/L	Y	U	U	2013-769	CAPA-13-29570	ARSL
R-41 S2	965.3	04/23/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.551	0.708	2.164	—	pCi/L	Y	U	U	2015-1133	CAPA-15-93453	ARSL
R-41 S2	965.3	01/08/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.16	0.694	2.204	—	pCi/L	Y	U	U	2015-666	CAPA-15-91445	ARSL
R-41 S2	965.3	10/21/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.741	0.679	2.331	—	pCi/L	Y	U	U	2015-135	CAPA-14-87193	ARSL

Table C-2 TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-41 S2	965.3	07/09/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.615	0.638	2.107	—	pCi/L	Y	U	U	2014-3725	CAPA-14-81482	ARSL
R-41 S2	965.3	04/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.177	0.639	2.159	—	pCi/L	Y	U	U	2014-3211	CAPA-14-57742	ARSL
R-49 S1	845	04/10/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.533	0.635	2.108	—	pCi/L	Y	U	U	2015-1047	CAPA-15-93454	ARSL
R-49 S1	845	10/27/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.37	0.792	2.717	—	pCi/L	Y	U	U	2015-182	CAPA-14-87194	ARSL
R-49 S1	845	04/18/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.413	0.641	2.142	—	pCi/L	Y	U	U	2014-3281	CAPA-14-57743	ARSL
R-49 S1	845	12/09/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.053	0.596	2.03	—	pCi/L	Y	U	U	2014-2651	CAPA-14-49388	ARSL
R-49 S1	845	04/15/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.356	0.704	2.366	—	pCi/L	Y	U	U	2013-738	CAPA-13-29572	ARSL
R-49 S2	905.6	04/09/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.183	0.729	2.323	—	pCi/L	Y	U	U	2015-1047	CAPA-15-93455	ARSL
R-49 S2	905.6	10/24/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.077	0.936	3.182	—	pCi/L	Y	U	U	2015-182	CAPA-14-87195	ARSL
R-49 S2	905.6	04/07/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.02	0.62	2.1	—	pCi/L	Y	U	U	2014-3169	CAPA-14-57744	ARSL
R-49 S2	905.6	12/13/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.272	0.686	2.152	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49389	ARSL
R-49 S2	905.6	04/19/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.401	0.634	2.121	—	pCi/L	Y	U	U	2013-765	CAPA-13-29573	ARSL
R-51 S1	914.96	04/23/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.398	0.668	2.241	—	pCi/L	Y	U	U	2015-1133	CAPA-15-93456	ARSL
R-51 S1	914.96	10/22/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.357	0.769	2.618	—	pCi/L	Y	U	U	2015-135	CAPA-14-87196	ARSL
R-51 S1	914.96	04/09/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.32	0.644	2.181	—	pCi/L	Y	U	U	2014-3211	CAPA-14-57745	ARSL
R-51 S1	914.96	12/13/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.727	0.703	2.103	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49390	ARSL
R-51 S1	914.96	04/25/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.499	0.641	2.135	—	pCi/L	Y	U	U	2013-792	CAPA-13-29574	ARSL
R-51 S1	914.96	04/25/13	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.715	0.628	2.058	—	pCi/L	Y	U	U	2013-792	CAPA-13-29531	ARSL
R-51 S2	1030.96	04/23/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.94	0.648	2.087	—	pCi/L	Y	U	U	2015-1133	CAPA-15-93457	ARSL
R-51 S2	1030.96	10/22/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.259	0.785	2.68	—	pCi/L	Y	U	U	2015-135	CAPA-14-87197	ARSL
R-51 S2	1030.96	10/22/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.268	0.686	2.33	—	pCi/L	Y	U	U	2015-135	CAPA-14-87153	ARSL
R-51 S2	1030.96	04/09/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.217	0.611	2.061	—	pCi/L	Y	U	U	2014-3211	CAPA-14-57746	ARSL
R-51 S2	1030.96	12/13/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.736	0.651	2.132	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49391	ARSL
R-51 S2	1030.96	04/25/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.172	0.617	2.091	—	pCi/L	Y	U	U	2013-792	CAPA-13-29575	ARSL
R-52 S1	1035.2	04/09/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.139	0.612	2.098	—	pCi/L	Y	U	U	2015-1047	CAPA-15-93458	ARSL
R-52 S1	1035.2	10/16/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.772	0.748	2.567	—	pCi/L	Y	U	U	2015-120	CAPA-14-87198	ARSL
R-52 S1	1035.2	04/10/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.578	0.636	2.105	—	pCi/L	Y	U	U	2014-3211	CAPA-14-57747	ARSL
R-52 S1	1035.2	12/11/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.581	0.656	2.174	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49392	ARSL
R-52 S1	1035.2	04/11/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.136	0.69	2.34	—	pCi/L	Y	U	U	2013-738	CAPA-13-29576	ARSL
R-52 S2	1107	04/09/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.637	0.636	2.096	—	pCi/L	Y	U	U	2015-1047	CAPA-15-93459	ARSL
R-52 S2	1107	10/16/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.219	0.746	2.548	—	pCi/L	Y	U	U	2015-120	CAPA-14-87199	ARSL
R-52 S2	1107	04/10/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.155	0.442	1.514	—	pCi/L	Y	U	U	2014-3211	CAPA-14-57748	ARSL
R-52 S2	1107	12/11/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.573	0.653	2.166	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49393	ARSL
R-52 S2	1107	04/11/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.161	0.619	2.095	—	pCi/L	Y	U	U	2013-738	CAPA-13-29577	ARSL
R-53 S1	849.2	04/16/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.682	0.652	2.145	—	pCi/L	Y	U	U	2015-1090	CAPA-15-93460	ARSL
R-53 S1	849.2	10/23/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.45	0.721	2.479	—	pCi/L	Y	U	U	2015-182	CAPA-14-87200	ARSL
R-53 S1	849.2	04/02/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.712	1.043	3.582	—	pCi/L	Y	U	U	2014-3113	CAPA-14-57749	ARSL
R-53 S1	849.2	12/12/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.475	0.7	2.156	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49394	ARSL
R-53 S1	849.2	04/08/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.133	0.714	2.28	—	pCi/L	Y	U	U	2013-710	CAPA-13-29578	ARSL
R-53 S2	959.7	04/16/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.146	0.588	2.015	—	pCi/L	Y	U	U	2015-1090	CAPA-15-93461	ARSL
R-53 S2	959.7	10/23/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.133	0.716	2.448	—	pCi/L	Y	U	U	2015-182	CAPA-14-87201	ARSL
R-53 S2	959.7	04/02/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.031	0.807	2.623	—	pCi/L	Y	U	U	2014-3113	CAPA-14-57750	ARSL
R-53 S2	959.7	12/12/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.759	0.638	2.086	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49395	ARSL
R-53 S2	959.7	04/08/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.053	0.633	2.162	—	pCi/L	Y	U	U	2013-710	CAPA-13-29579	ARSL
R-54 S1	830	04/14/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.054	0.619	2.117	—	pCi/L	Y	U	U	2015-1047	CAPA-15-93462	ARSL
R-54 S1	830	10/22/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.616	0.764	2.623	—	pCi/L	Y	U	U	2015-135	CAPA-14-87202	ARSL
R-54 S1	830	04/15/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.48	0.534	1.768	—	pCi/L	Y	U	U	2014-3214	CAPA-14-57751	ARSL
R-54 S1	830	12/16/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.856	0.62	1.755	—	pCi/L	Y	—	U	2014-2710	CAPA-14-49396	ARSL
R-54 S1	830	04/16/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.516	0.666	2.216	—	pCi/L	Y	U	U	2013-738	CAPA-13-29580	ARSL

Table C-2 TA-54 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-54 S2	915	04/14/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.324	0.634	2.133	—	pCi/L	Y	U	U	2015-1047	CAPA-15-93463	ARSL
R-54 S2	915	10/22/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.072	0.926	3.143	—	pCi/L	Y	U	U	2015-135	CAPA-14-87203	ARSL
R-54 S2	915	04/15/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.601	0.587	2.016	—	pCi/L	Y	U	U	2014-3214	CAPA-14-57752	ARSL
R-54 S2	915	04/15/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.484	0.608	2.031	—	pCi/L	Y	U	U	2014-3214	CAPA-14-57705	ARSL
R-54 S2	915	12/16/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.891	0.602	1.936	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49397	ARSL
R-54 S2	915	12/16/13	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.759	0.683	2.02	—	pCi/L	Y	U	U	2014-2710	CAPA-14-49347	ARSL
R-54 S2	915	04/16/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.98	0.754	2.218	—	pCi/L	Y	U	U	2013-738	CAPA-13-29581	ARSL
R-54 S2	915	04/16/13	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.627	0.679	2.246	—	pCi/L	Y	U	U	2013-738	CAPA-13-29532	ARSL
R-55 S1	860	04/20/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.315	0.748	2.362	—	pCi/L	Y	U	U	2015-1091	CAMO-15-94138	ARSL
R-55 S1	860	01/08/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.369	0.646	2.169	—	pCi/L	Y	U	U	2015-667	CAMO-15-91419	ARSL
R-55 S1	860	10/15/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.584	0.656	1.967	—	pCi/L	Y	U	U	2015-92	CAMO-14-87138	ARSL
R-55 S1	860	07/11/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.887	0.629	2.029	—	pCi/L	Y	U	U	2014-3869	CAMO-14-81469	ARSL
R-55 S1	860	04/07/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.723	0.718	2.157	—	pCi/L	Y	U	U	2014-3168	CAMO-14-57544	ARSL
R-55 S2	994.4	04/20/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.264	0.67	2.263	—	pCi/L	Y	U	U	2015-1091	CAMO-15-94139	ARSL
R-55 S2	994.4	10/15/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.083	0.678	2.323	—	pCi/L	Y	U	U	2015-92	CAMO-14-87139	ARSL
R-55 S2	994.4	10/15/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.659	0.682	2.254	—	pCi/L	Y	U	U	2015-92	CAMO-14-87126	ARSL
R-55 S2	994.4	04/07/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.31	0.55	1.84	—	pCi/L	Y	U	U	2014-3168	CAMO-14-57545	ARSL
R-55 S2	994.4	12/02/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.998	1.068	3.114	—	pCi/L	Y	U	U	2014-2604	CAMO-14-49332	ARSL
R-55 S2	994.4	04/18/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.018	0.67	2.148	—	pCi/L	Y	U	U	2013-764	CAMO-13-29630	ARSL
R-55i	510	04/07/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.285	0.696	2.187	—	pCi/L	Y	U	U	2015-1004	CAMO-15-94140	ARSL
R-55i	510	10/17/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.623	0.808	2.685	—	pCi/L	Y	U	U	2015-119	CAMO-14-87140	ARSL
R-55i	510	04/16/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.202	0.541	1.823	—	pCi/L	Y	U	U	2014-3280	CAMO-14-57546	ARSL
R-55i	510	12/12/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.57	0.671	2.028	—	pCi/L	Y	U	U	2014-2712	CAMO-14-49333	ARSL
R-55i	510	04/18/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.976	0.67	2.158	—	pCi/L	Y	U	U	2013-764	CAMO-13-29631	ARSL
R-56 S1	945	04/22/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.569	0.63	2.086	—	pCi/L	Y	U	U	2015-1133	CAPA-15-93464	ARSL
R-56 S1	945	01/14/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.141	0.645	2.188	—	pCi/L	Y	U	U	2015-712	CAPA-15-91449	ARSL
R-56 S1	945	10/30/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.464	0.707	2.363	—	pCi/L	Y	U	U	2015-228	CAPA-14-87204	ARSL
R-56 S1	945	10/30/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.613	0.816	2.811	—	pCi/L	Y	U	U	2015-228	CAPA-14-87154	ARSL
R-56 S1	945	07/17/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.454	0.622	2.075	—	pCi/L	Y	U	U	2014-4000	CAPA-14-81483	ARSL
R-56 S1	945	04/18/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.493	0.528	1.815	—	pCi/L	Y	U	U	2014-3281	CAPA-14-57753	ARSL
R-57 S1	910	04/15/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.666	0.63	2.071	—	pCi/L	Y	U	U	2015-1090	CAPA-15-93466	ARSL
R-57 S1	910	01/12/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.704	0.738	2.235	—	pCi/L	Y	U	U	2015-666	CAPA-15-91450	ARSL
R-57 S1	910	10/16/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.931	0.771	2.642	—	pCi/L	Y	U	U	2015-120	CAPA-14-87206	ARSL
R-57 S1	910	07/14/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.372	0.592	1.98	—	pCi/L	Y	U	U	2014-3873	CAPA-14-81484	ARSL
R-57 S1	910	07/14/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.26	0.658	2.056	—	pCi/L	Y	U	U	2014-3873	CAPA-14-81474	ARSL
R-57 S1	910	04/03/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.16	0.7	2.39	—	pCi/L	Y	U	U	2014-3169	CAPA-14-57755	ARSL
R-57 S1	910	04/03/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.75	0.86	2.96	—	pCi/L	Y	U	U	2014-3169	CAPA-14-57706	ARSL
R-57 S2	971.5	04/15/15	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.129	0.631	2.162	—	pCi/L	Y	U	U	2015-1090	CAPA-15-93395	ARSL
R-57 S2	971.5	04/15/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.324	0.567	1.904	—	pCi/L	Y	U	U	2015-1090	CAPA-15-93467	ARSL
R-57 S2	971.5	10/16/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.297	0.739	2.529	—	pCi/L	Y	U	U	2015-120	CAPA-14-87207	ARSL
R-57 S2	971.5	04/03/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.01	0.47	1.59	—	pCi/L	Y	U	U	2014-3169	CAPA-14-57756	ARSL
R-57 S2	971.5	12/05/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.687	0.597	1.955	—	pCi/L	Y	U	U	2014-2651	CAPA-14-49401	ARSL
R-57 S2	971.5	12/05/13	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.205	0.583	1.799	—	pCi/L	Y	U	U	2014-2651	CAPA-14-49345	ARSL
R-57 S2	971.5	04/10/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.564	0.907	2.611	—	pCi/L	Y	U	U	2013-738	CAPA-13-29585	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	Lab Qualifier	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Intermediate	R-37 S1	929.3	04/08/2015	SVOC[a]	Dioxane[1,4-]	123-91-1	UF[b]	INIT[c]	REG[d]	Y[e]	4.23	3	µg/L	1	J[f]	J[g]	J_LAB[h]	Y	SW-846:8270D	GELC[i]	4.6	EPA TAP SCRN LVL[j]	0.92

[a] SVOC = Semivolatile organic compound.

[b] UF = Unfiltered.

[c] INIT = Initial.

[d] REG = Regular.

[e] Y = Yes.

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

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

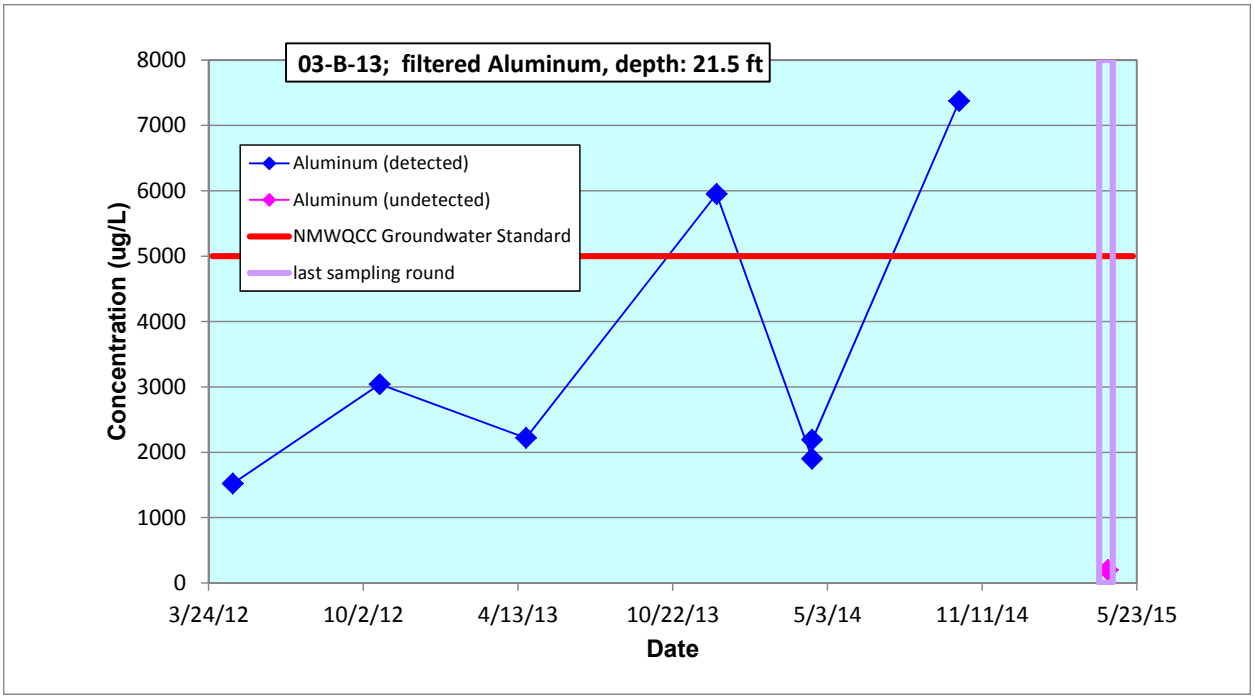
[h] J_LAB = The analytical laboratory qualified the detected result as estimated (J) because the result was less than the practical quantitation limit but greater than the method detection limit.

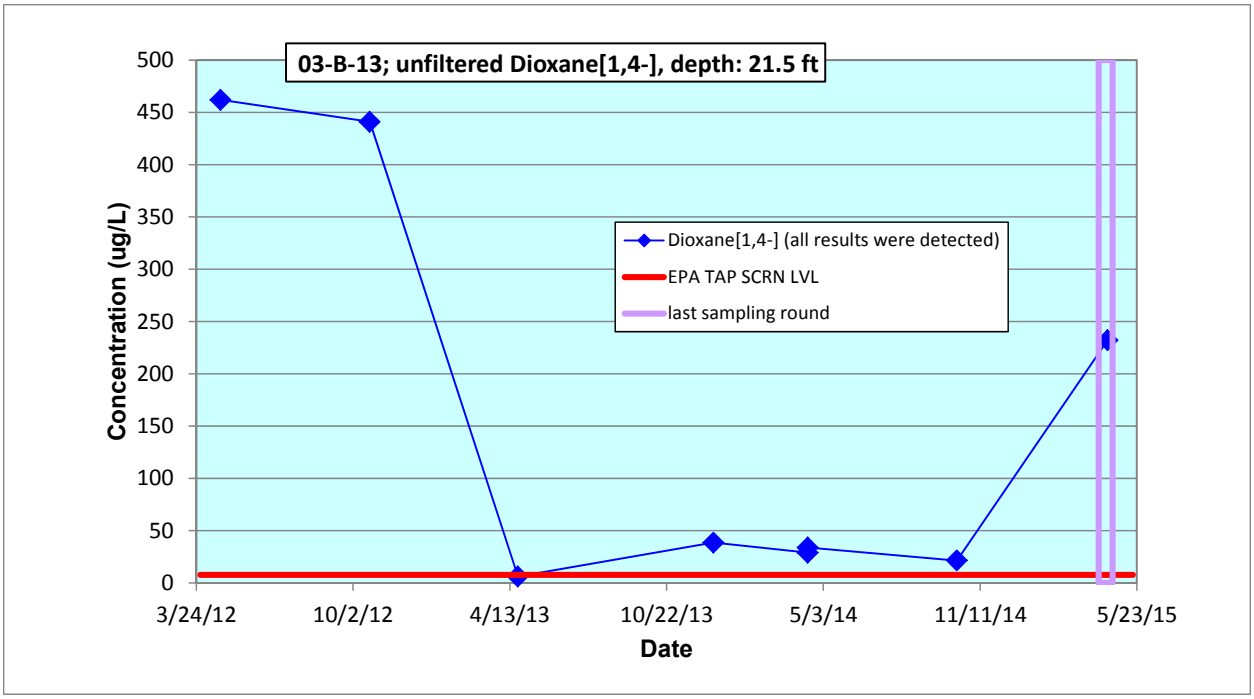
[i] GELC = General Engineering Laboratories, Inc., Charleston, SC.

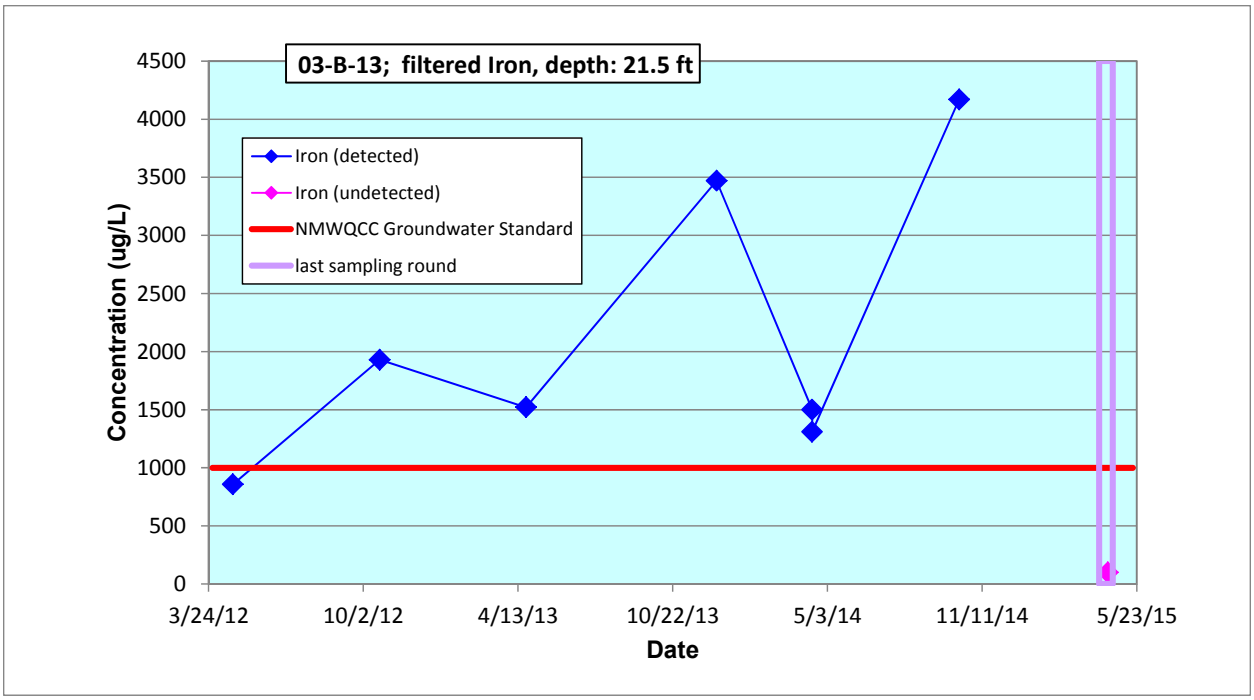
[j] EPA TAP SCRN LVL = U.S. Environmental Protection Agency regional screening level for tap water.

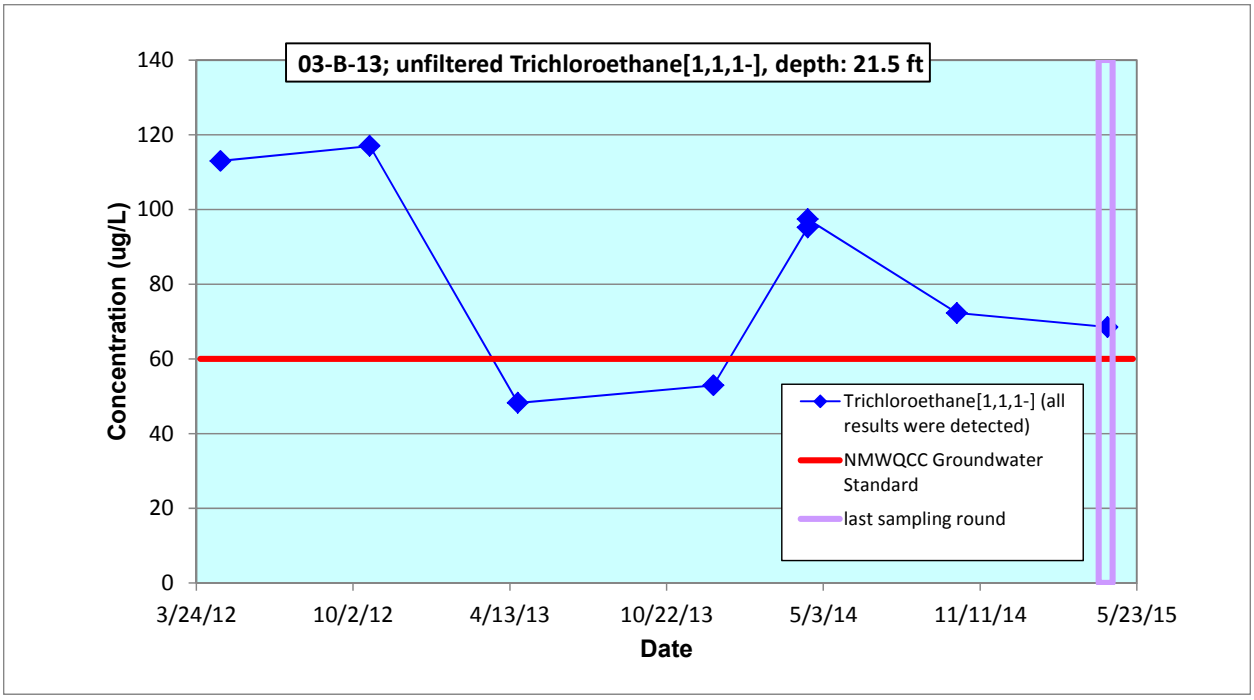
Appendix E

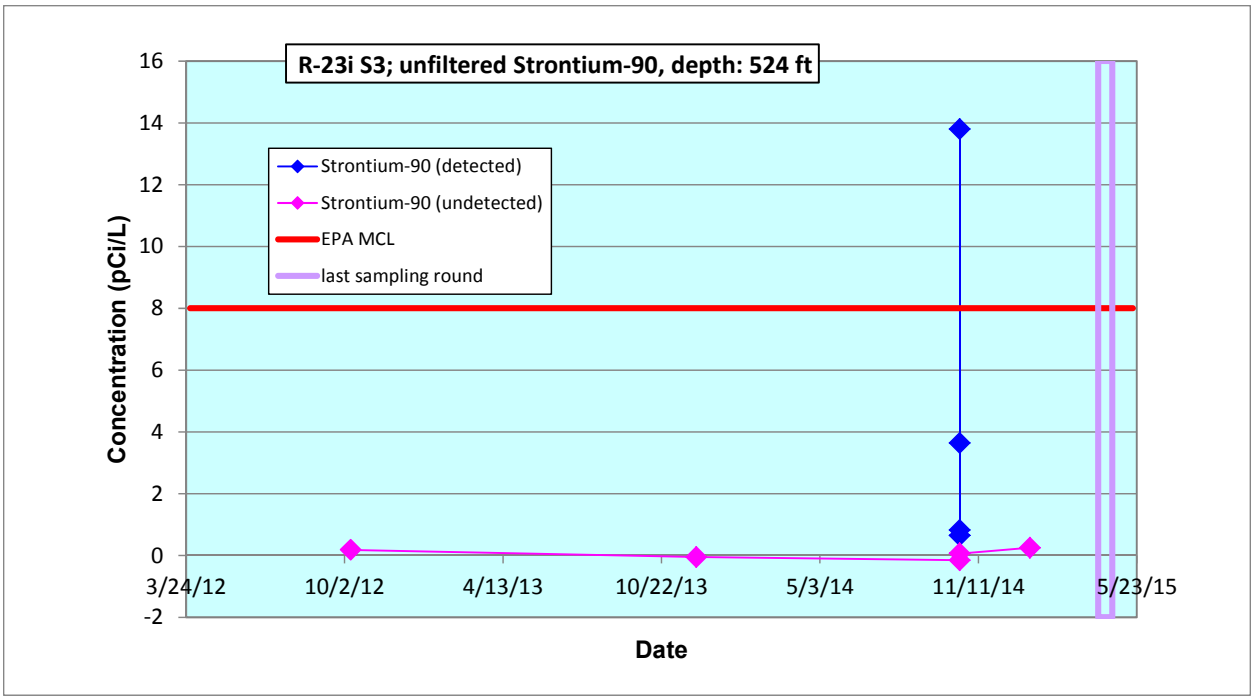
Analytical Chemistry Graphs of Screening-Level Exceedances

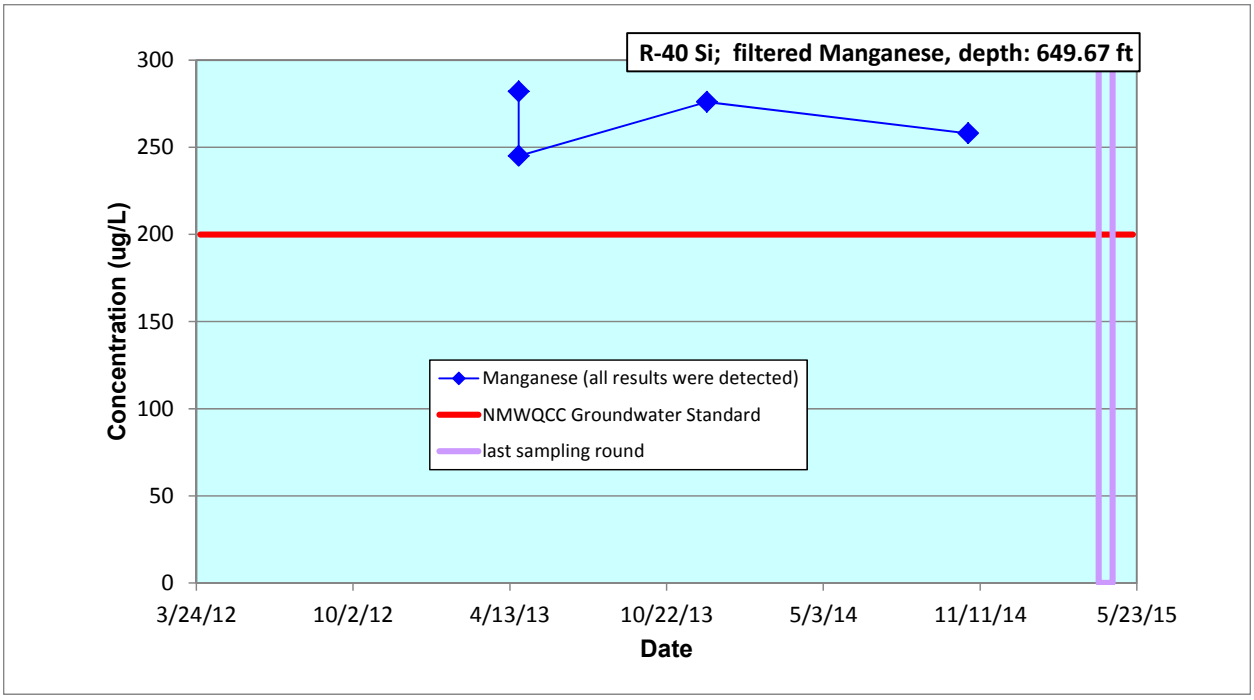

03-B-13; filtered Aluminum, depth: 21.5 ft
Aluminum (detected)
Aluminum (undetected)
NMWQCC Groundwater Standard
last sampling round
Concentration (ug/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
3/24/12
10/2/12
4/13/13
10/22/13
5/3/14
11/11/14
5/23/15
Date


03-B-13; unfiltered Dioxane[1,4-], depth: 21.5 ft
Dioxane[1,4-] (all results were detected)
EPA TAP SCRN LVL
last sampling round
Concentration (ug/L)
500
450
400
350
300
250
200
150
100
50
0
3/24/12
10/2/12
4/13/13
10/22/13
5/3/14
11/11/14
5/23/15
Date


03-B-13; filtered Iron, depth: 21.5 ft
Iron (detected)
Iron (undetected)
NMWQCC Groundwater Standard
last sampling round
Concentration (ug/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
3/24/12
10/2/12
4/13/13
10/22/13
5/3/14
11/11/14
5/23/15
Date


03-B-13; unfiltered Trichloroethane[1,1,1-], depth: 21.5 ft
Trichloroethane[1,1,1-] (all results were detected)
NMWQCC Groundwater Standard
last sampling round
Concentration (ug/L)
140
120
100
80
60
40
20
0
3/24/12
10/2/12
4/13/13
10/22/13
5/3/14
11/11/14
5/23/15
Date


R-23i S3; unfiltered Strontium-90, depth: 524 ft
Strontium-90 (detected)
Strontium-90 (undetected)
EPA MCL
last sampling round
Concentration (pCi/L)
16
14
12
10
8
6
4
2
0
-2
3/24/12
10/2/12
4/13/13
10/22/13
5/3/14
11/11/14
5/23/15
Date


R-40 Si; filtered Manganese, depth: 649.67 ft
Manganese (all results were detected)
NMWQCC Groundwater Standard
last sampling round
Concentration (ug/L)
300
250
200
150
100
50
0
3/24/12
10/2/12
4/13/13
10/22/13
5/3/14
11/11/14
5/23/15
Date

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2015-1003	Rad[a]	ARSL[b]	CAPA-15-93394	04/07/15	R-23i S2	470.2	480.1
2015-1003	Rad	ARSL	CAPA-15-93446	04/07/15	R-23i S2	470.2	480.1
2015-1004	Rad	ARSL	CAMO-15-94137	04/07/15	R-38	821.2	831.2
2015-1004	Rad	ARSL	CAMO-15-94134	04/06/15	R-21	888.8	906.8
2015-1004	Rad	ARSL	CAMO-15-94127	04/07/15	R-38	821.2	831.2
2015-1004	Rad	ARSL	CAMO-15-94140	04/07/15	R-55i	510	531.1
2015-1006	Rad	ARSL	CAPA-15-93444	04/08/15	R-23	816	873.2
2015-1006	Rad	ARSL	CAPA-15-93447	04/08/15	R-23i S3	524	547
2015-1008	Organic	GELC[c]	CAPA-15-93444	04/08/15	R-23	816	873.2
2015-1008	Organic	GELC	CAPA-15-93447	04/08/15	R-23i S3	524	547
2015-1009	Organic	GELC	CAMO-15-94135	04/08/15	R-37 S1	929.3	950
2015-1015	Organic	GELC	CAMO-15-94136	04/09/15	R-37 S2	1026	1046.6
2015-1016	Organic	GELC	CAPA-15-93458	04/09/15	R-52 S1	1035.2	1055.7
2015-1016	Organic	GELC	CAPA-15-93451	04/10/15	R-40 S2	849.27	870
2015-1016	Organic	GELC	CAPA-15-93459	04/09/15	R-52 S2	1107	1117
2015-1016	Organic	GELC	CAPA-15-93454	04/10/15	R-49 S1	845	855
2015-1016	Organic	GELC	CAPA-15-93455	04/09/15	R-49 S2	905.6	926.4
2015-1026	Organic	GELC	CAPA-15-93450	04/13/15	R-40 S1	751.59	785.06
2015-1036	Organic	GELC	CAPA-15-93463	04/14/15	R-54 S2	915	925
2015-1047	Rad	ARSL	CAPA-15-93450	04/13/15	R-40 S1	751.59	785.06
2015-1047	Rad	ARSL	CAPA-15-93458	04/09/15	R-52 S1	1035.2	1055.7
2015-1047	Rad	ARSL	CAPA-15-93451	04/10/15	R-40 S2	849.27	870
2015-1047	Rad	ARSL	CAPA-15-93452	04/13/15	R-40 Si	649.67	669.02
2015-1047	Rad	ARSL	CAPA-15-93459	04/09/15	R-52 S2	1107	1117
2015-1047	Rad	ARSL	CAPA-15-93454	04/10/15	R-49 S1	845	855
2015-1047	Rad	ARSL	CAPA-15-93462	04/14/15	R-54 S1	830	840
2015-1047	Rad	ARSL	CAPA-15-93455	04/09/15	R-49 S2	905.6	926.4
2015-1047	Rad	ARSL	CAPA-15-93463	04/14/15	R-54 S2	915	925
2015-1048	Rad	ARSL	CAMO-15-94135	04/08/15	R-37 S1	929.3	950
2015-1048	Rad	ARSL	CAMO-15-94136	04/09/15	R-37 S2	1026	1046.6
2015-105	Rad	GELC	CAPA-14-87184	10/17/14	R-23	816	873.2
2015-1053	Organic	GELC	CAPA-15-93395	04/15/15	R-57 S2	971.5	992.1
2015-1053	Organic	GELC	CAPA-15-93467	04/15/15	R-57 S2	971.5	992.1
2015-1053	Organic	GELC	CAPA-15-93466	04/15/15	R-57 S1	910	930.5
2015-1064	Organic	GELC	CAPA-15-93443	04/16/15	R-20 S2	1147.1	1154.7
2015-1064	Organic	GELC	CAPA-15-93460	04/16/15	R-53 S1	849.2	859.2
2015-1064	Organic	GELC	CAPA-15-93461	04/16/15	R-53 S2	959.7	980.2
2015-1068	Organic	GELC	CAPA-15-93448	04/17/15	R-32 S1	867.5	875.2

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2015-1075	Organic	GELC	CAMO-15-94138	04/20/15	R-55 S1	860	880.6
2015-1075	Organic	GELC	CAMO-15-94139	04/20/15	R-55 S2	994.4	1015.4
2015-1084	Organic	GELC	CAPA-15-93442	04/21/15	R-20 S1	904.6	912.2
2015-1090	Rad	ARSL	CAPA-15-93442	04/21/15	R-20 S1	904.6	912.2
2015-1090	Rad	ARSL	CAPA-15-93443	04/16/15	R-20 S2	1147.1	1154.7
2015-1090	Rad	ARSL	CAPA-15-93460	04/16/15	R-53 S1	849.2	859.2
2015-1090	Rad	ARSL	CAPA-15-93461	04/16/15	R-53 S2	959.7	980.2
2015-1090	Rad	ARSL	CAPA-15-93448	04/17/15	R-32 S1	867.5	875.2
2015-1090	Rad	ARSL	CAPA-15-93466	04/15/15	R-57 S1	910	930.5
2015-1090	Rad	ARSL	CAPA-15-93395	04/15/15	R-57 S2	971.5	992.1
2015-1090	Rad	ARSL	CAPA-15-93467	04/15/15	R-57 S2	971.5	992.1
2015-1091	Rad	ARSL	CAMO-15-94138	04/20/15	R-55 S1	860	880.6
2015-1091	Rad	ARSL	CAMO-15-94139	04/20/15	R-55 S2	994.4	1015.4
2015-1100	Organic	GELC	CAPA-15-93464	04/22/15	R-56 S1	945	965.6
2015-1103	Organic	GELC	CAPA-15-93449	04/23/15	R-39	859	869
2015-1103	Organic	GELC	CAPA-15-93453	04/23/15	R-41 S2	965.3	975
2015-1105	Organic	GELC	CAPA-15-93457	04/23/15	R-51 S2	1031	1041
2015-1105	Organic	GELC	CAPA-15-93456	04/23/15	R-51 S1	914.96	925.24
2015-113	Rad	GELC	CAPA-14-87187	10/20/14	R-23i S3	524	547
2015-113	Rad	GELC	CAPA-14-87152	10/20/14	R-23i S3	524	547
2015-1133	Rad	ARSL	CAPA-15-93457	04/23/15	R-51 S2	1031	1041
2015-1133	Rad	ARSL	CAPA-15-93449	04/23/15	R-39	859	869
2015-1133	Rad	ARSL	CAPA-15-93453	04/23/15	R-41 S2	965.3	975
2015-1133	Rad	ARSL	CAPA-15-93456	04/23/15	R-51 S1	914.96	925.24
2015-1133	Rad	ARSL	CAPA-15-93464	04/22/15	R-56 S1	945	965.6
2015-640	Organic	GELC	CAPA-15-91444	01/07/15	R-39	859	869
2015-641	Organic	GELC	CAMO-15-91409	01/07/15	R-37 S2	1026	1046.6
2015-641	Organic	GELC	CAMO-15-91418	01/07/15	R-37 S2	1026	1046.6
2015-642	Organic	GELC	CAPA-15-91445	01/08/15	R-41 S2	965.3	975
2015-646	Organic	GELC	CAMO-15-91419	01/08/15	R-55 S1	860	880.6
2015-647	Organic	GELC	CAPA-15-91441	01/09/15	R-23	816	873.2
2015-656	Organic	GELC	CAPA-15-91450	01/12/15	R-57 S1	910	930.5
2015-659	Organic	GELC	CAMO-15-91417	01/13/15	R-37 S1	929.3	950
2015-660	Rad	GELC	CAPA-15-92458	01/13/15	R-23	816	873.2
2015-660	Rad	GELC	CAPA-15-92459	01/13/15	R-23i S3	524	547
2015-666	Rad	ARSL	CAPA-15-91441	01/09/15	R-23	816	873.2
2015-666	Rad	ARSL	CAPA-15-91444	01/07/15	R-39	859	869
2015-666	Rad	ARSL	CAPA-15-91450	01/12/15	R-57 S1	910	930.5
2015-666	Rad	ARSL	CAPA-15-91445	01/08/15	R-41 S2	965.3	975

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2015-667	Rad	ARSL	CAMO-15-91409	01/07/15	R-37 S2	1026	1046.6
2015-667	Rad	ARSL	CAMO-15-91417	01/13/15	R-37 S1	929.3	950
2015-667	Rad	ARSL	CAMO-15-91418	01/07/15	R-37 S2	1026	1046.6
2015-667	Rad	ARSL	CAMO-15-91419	01/08/15	R-55 S1	860	880.6
2015-672	Organic	GELC	CAPA-15-91449	01/14/15	R-56 S1	945	965.6
2015-712	Rad	ARSL	CAPA-15-91449	01/14/15	R-56 S1	945	965.6
2015-990	Organic	GELC	CAMO-15-94134	04/06/15	R-21	888.8	906.8
2015-996	Organic	GELC	CAPA-15-93394	04/07/15	R-23i S2	470.2	480.1
2015-996	Organic	GELC	CAPA-15-93445	04/07/15	R-23i S1	400.3	420
2015-996	Organic	GELC	CAPA-15-93446	04/07/15	R-23i S2	470.2	480.1
2015-997	Organic	GELC	CAMO-15-94127	04/07/15	R-38	821.2	831.2
2015-997	Organic	GELC	CAMO-15-94137	04/07/15	R-38	821.2	831.2

[a] Rad = Radiochemistry (not gamma).

[b] ARSL = American Radiation Services, Inc.

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