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Periodic Monitoring Report for Los Alamos Watershed, August 18–September 6, 2010

Prepared by the Environmental Programs Directorate

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EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Los Alamos Watershed. This PME was conducted pursuant to the 2010 Interim Facility-Wide Groundwater Monitoring Plan, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from August 18 to September 6, 2010, and included monitoring of groundwater wells or well ports, springs, and base-flow stations. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

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

One groundwater result and one surface-water result from previous PME samples reported in this PMR were above screening levels.

Two groundwater results from the current PME were above screening levels. No surface-water locations were sampled in the current PME.

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Acronyms and Abbreviations

AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CAS	Chemical Abstracts Service
cfs	cubic feet per second
Consent Order	Compliance Order on Consent
DCG	Derived Concentration Guide (DOE)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
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
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NTU	nephelometric turbidity unit
PME	periodic monitoring event
PMR	periodic monitoring report
PQL	practical quantitation limit
QC	quality control
RPF	Records Processing Facility
SOP	standard operating procedure
STD	standard
TA	technical area
TDS	total dissolved solids

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of semiannual groundwater and surface-water monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Los Alamos Watershed pursuant to the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP) (LANL 2010, 109830) prepared in accordance with the Compliance Order on Consent (Consent Order). This periodic monitoring event (PME) occurred from August 18 to September 6, 2010, and included sampling at groundwater wells or well ports, springs, and base-flow stations. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

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 watershed
- field-measurement monitoring results
- water-quality monitoring results
- screening analysis results (comparing these PME results with screening levels and results from previous reports)
- a summary based on the data and the screening analysis

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

1.1 Background

The Los Alamos Watershed encompasses approximately 57 mi^2 (148 km^2). It includes Los Alamos, Pueblo, DP, and Acid Canyons. Bayo, Guaje, Rendija, and Barrancas Canyons (collectively known as the North Canyons) are smaller tributary canyons in the watershed. The watershed contains numerous springs, perennial and ephemeral stream segments, and alluvial groundwater. Portions of Los Alamos townsite, Los Alamos County, Santa Fe County, and San Ildefonso Pueblo tribal lands are located within the Los Alamos Watershed.

Laboratory operations have been associated with the release of treated and untreated effluent into the watershed from the establishment of the Laboratory in the 1940s to the present. Current discharges subject to National Pollutant Discharge Elimination System permit requirements, runoff from solid waste management units, and areas of concern at former and current Technical Area 00 (TA-00), TA-01, TA-02, TA-03, TA-19, TA-21, TA-31, TA-41, TA-43, TA-53, TA-72, and TA-73 have contributed to contaminant releases within the watershed.

2.0 SCOPE OF ACTIVITIES

The PME for the Los Alamos Watershed was conducted pursuant to the 2010 IFGMP (LANL 2010, 109830).

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

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the PME are documented in the 2010 IFGMP (LANL 2010, 109830).

3.2 Field Parameter Results

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

3.3 Water-Level Observations

The periodic monitoring water-level data for this event and the previous four monitoring events 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 are reported at the time immediately before sampling. The water-level measurements taken during these PMEs are shown graphically on Plate 1. Similarly, base-flow measurements are shown graphically in Figure 3.3-1.

3.4 Deviations from Planned Scope

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

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PMEs are documented in the 2010 IFGMP (LANL 2010, 109830). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737) and ENV-RCRA-QP-010.2, Land Application of Groundwater. ENV-RCRA-QP-010.2 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling purge water.

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

code, date and time of sample collection, total number of bottles, list of analytes to be measured, bottle sizes, and preservatives for each required analysis.

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

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

After the Laboratory receives the analytical laboratory data packages, the packages receive secondary validation by an independent contractor, Analytical Quality Associates, Inc. (AQA). AQA's reviews follow the guidelines set in the DOE model SOP for data validation, which includes reviewing the data quality and the documentation's correctness and completeness, verifying that holding times were met, and ensuring that analytical laboratory QC measures were applied, documented, and kept within contract requirements. As a result of secondary validation, a second set of qualifiers was assigned to the analytical results.

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

4.2 Analytical Data

Appendix C presents the analytical data from this PME and from the four sampling events immediately before the August−September 2010 sampling event. The analytical laboratory reports (including chain-of-custody forms and data validation) are provided in Appendix F (on DVD included with this document).

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

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

  - ❖ Low-detection-limit tritium results greater than 3 times the 1 standard deviation total propagated analytical uncertainty are considered to be detections.
  - ❖ Otherwise, all results are reported at all locations.
- Nonradionuclides
  - ❖ All results, excluding nondetections, are reported.

The results of data screening for this PMR appear in Tables D-1 through D-10 in Appendix D. These tables show all detected analytical results for perchlorate, radionuclides, and organic compounds, and all analytical results greater than half the lowest applicable screening-level values for metals and general inorganic compounds. The sources of screening levels with which the results are compared are listed in Table 4.2-1.

Data for PMRs are evaluated using the following screening process.

- Surface-water sampling results were compared with all surface-water standards without consideration of the designated use for the particular reach.
- 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 the lesser of the EPA MCL or the NMWQCC groundwater standard for an analyte.
- 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.
- As required by the Consent Order, EPA Regional Screening Levels for Tap Water (formerly Region 6 Screening Levels for Tap Water) are used for constituents that have no other regulatory standard and for which toxicological information is published. These screening levels are for either a cancer- or noncancer-risk type. For the cancer-risk type, the EPA screening levels are for 10^{-6} excess cancer risk. The Consent Order specifies screening with these values at a 10^{-5} (rather than 10^{-6}) excess cancer risk. Therefore, the screening levels in the tables are 10 times the EPA 10^{-6} screening values.
- The analytical results for radioactivity are compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Guides (DCGs) for groundwater.

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

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

Figure 4.2-1 shows concentrations at all locations from the current PME for analytes that exceeded their screening level at more than one sampling location. For example, perchlorate was above the Consent Order screening level at intermediate wells R-6i and LAOI-3.2, so all available perchlorate values from the

current PME are shown in addition to the screening-level exceedances, which are displayed in yellow boxes.

4.2.1 Surface Water (Base Flow)

A previous PME result (from July 2009) reported in this PMR for gross alpha in an unfiltered sample at Acid above Pueblo of 16.6 pCi/L was above the 15 pCi/L NMWQCC Livestock Watering Standard screening level. Two earlier measurements in surface water at that location since 2006 are nondetect (<0.80 pCi/L) and 2.1 pCi/L. Gross alpha measurements in stormwater samples from this location range up to 321 pCi/L.

No surface-water locations were sampled in the current PME.

4.2.2 Groundwater

A previous PME result (from July 2009) reported in this PMR for gross alpha in an unfiltered sample at alluvial well LLAO-4 of 16.3 pCi/L was above the 15 pCi/L EPA MCL screening level. This is the only detection in five samples since 1997. A more recent sample from August 2010 was also a nondetection.

For the current PME, the perchlorate concentrations at intermediate wells R-6i and LAOI-3.2 were above the Consent Order screening level of 4 µg/L. The results at are consistent with earlier measurements since 2005 that are between 2.46 µg/L and 9.0 µg/L at LAOI-3.2 and 6.17 µg/L and 9.48 µg/L at R-6i.

4.3 Sampling Program Modifications

No modifications to the periodic monitoring sampling for the Los Alamos Watershed are proposed at this time.

5.0 SUMMARY

5.1 Monitoring Results

The field-parameter monitoring results are presented in Appendix A.

5.2 Analytical Results

5.2.1 Surface Water (Base Flow)

One surface-water result from a previous PME sample reported in this PMR was above screening levels (Table 4.2-2). No surface-water locations were sampled in the current PME.

Except for a higher value of gross alpha at Acid above Pueblo, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed.

5.2.2 Groundwater

One groundwater result from previous PME samples reported in this PMR and two from groundwater samples collected during this PME were above screening levels.

Except for a higher value of gross alpha at LLAO-4, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed.

5.3 Data Gaps

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

6.0 REFERENCES

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

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

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

LANL (Los Alamos National Laboratory), June 2010. "2010 Interim Facility-Wide Groundwater Monitoring Plan," Los Alamos National Laboratory document LA-UR-10-1777, Los Alamos, New Mexico. (LANL 2010, 109830)

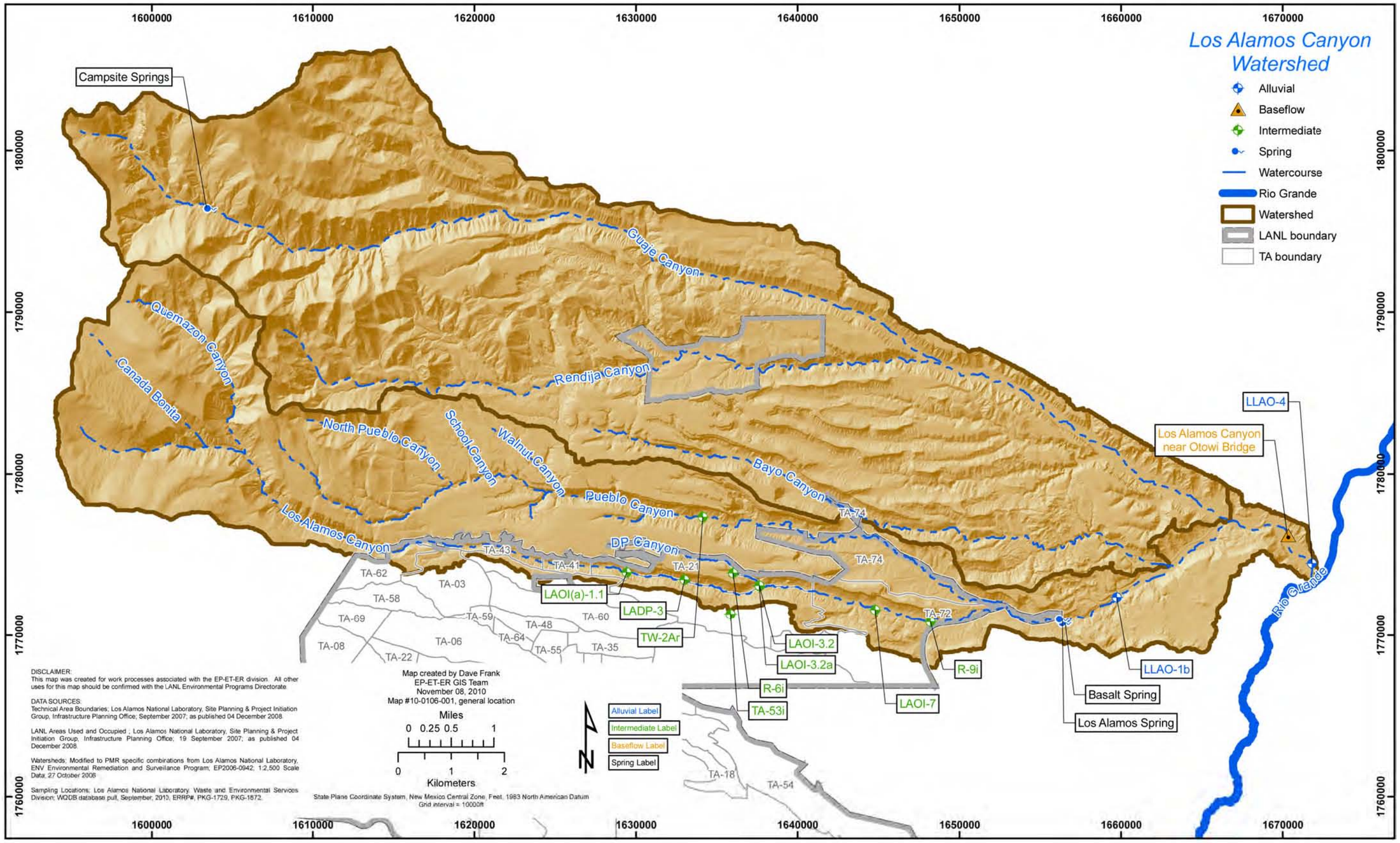


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Table 3.4-1).

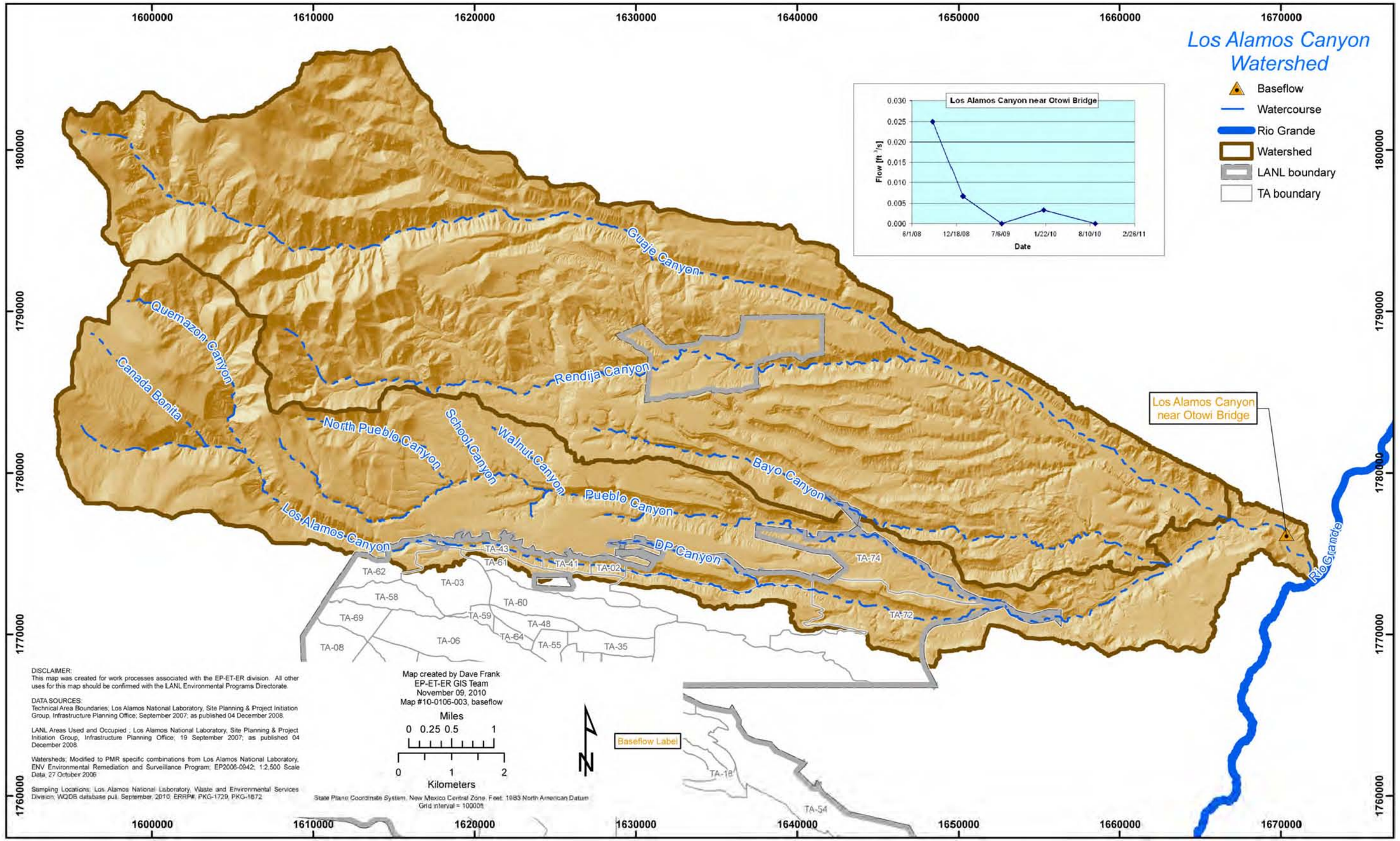


Figure 3.3-1 Base-flow measurements

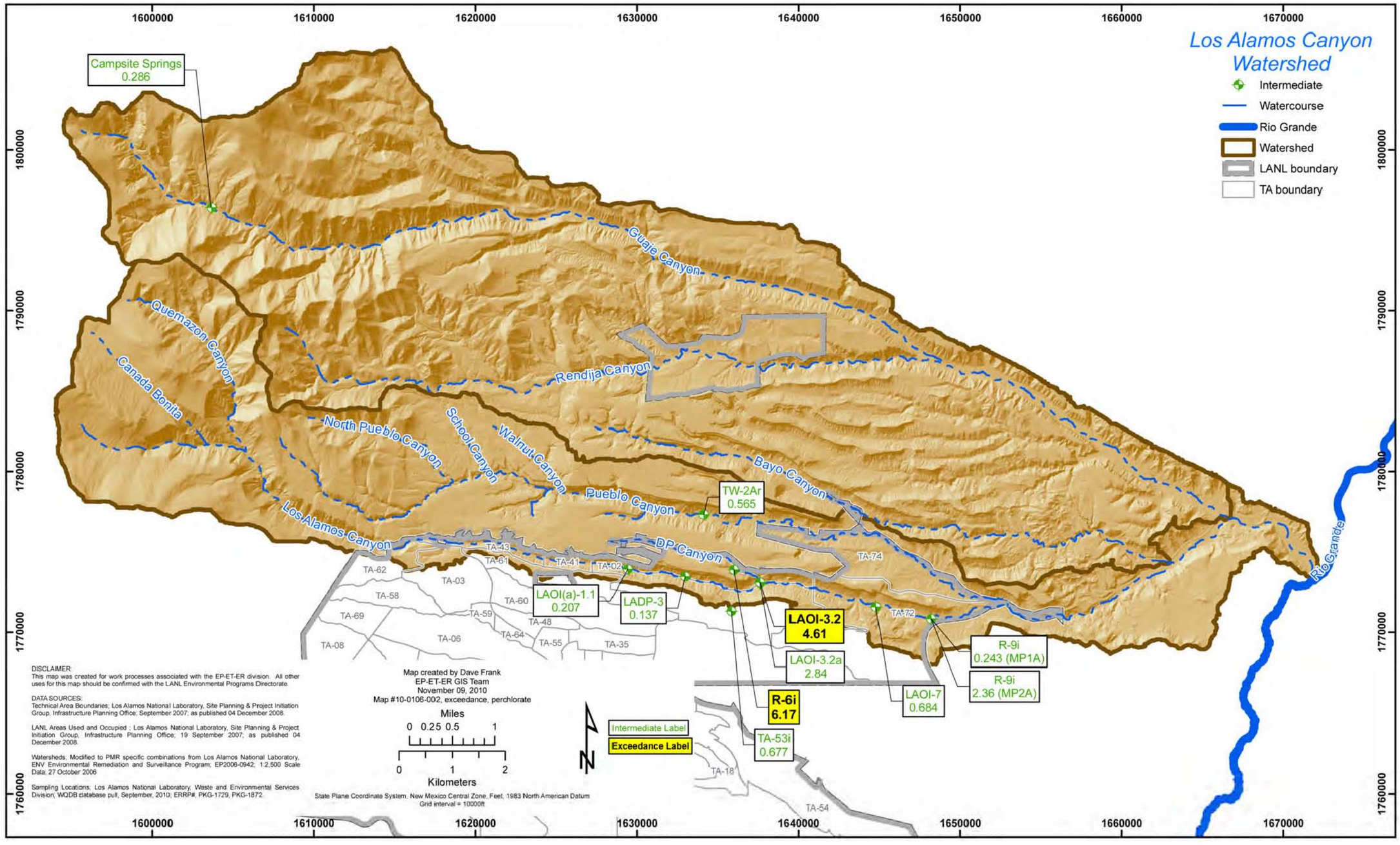


Figure 4.2-1 Watershed filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L

Table 2.0-1
Los Alamos Watershed Monitoring Locations and General Information

Location	Sample Collection Date	Port Name	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Base-Flow or Purge-Rate Values (cfs[a])
Base Flow									
Los Alamos Canyon near Otowi Bridge	09/03/10	n/a[b]	n/a	n/a	n/a	n/a	n/a	n/a	Dry[c]
Springs									
Basalt Spring	08/25/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.14
Campsite Spring	08/30/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.027
Los Alamos Spring	08/25/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.00038
Alluvial									
LLAO-1b	08/26/10	Single	11.32	10	11.32	21.32	9.07	9.25	0.00053
LLAO-4	08/26/10	Single	5.24	10	5.24	15.24	7.4	7.4	0.00053
Intermediate									
LADP-3	08/20/10	Single	316	9	316	325	0.68	2.5	0.00089
LAOI(a)-1.1	08/19/10	Single	295.2	9.8	295.2	305	6.13	18.4	0.00156
LAOI-3.2	08/23/10	Single	153.3	9.5	153.3	162.8	6.75	21	0.00038
LAOI-3.2a	08/20/10	Single	181.4	9.6	181.4	191	4.18	13	0.0022
LAOI-7	08/26/10	Single	240	19.6	240	259.6	18.2	55	0.0074
R-6i	08/19/10	Single	602	10	602	612	18.18	55	0.0096
R-9i	08/23/10	MP1A	198.8	10.4	189.1	199.5	n/a	n/a	n/a
R-9i	08/24/10	MP2A	278.8	10.7	269.6	280.3	n/a	n/a	n/a
TA-53i	08/25/10	Single	600	10	600	610	21	63	0.0045
TW-2Ar	08/23/10	Single	102	10	102	112	13.05	40	0.0025

[a] cfs = Cubic feet per second.

[b] n/a = Not applicable.

[c] See Table 3.4-1 for explanation.

Table 3.4-1
Los Alamos PME Observations and Deviations

Location	Deviation	Cause	Comment
Basalt Spring on 08/25/10 Los Alamos Spring on 08/25/10 LLAO-1b on 08/26/10 LLAO-4 on 08/26/10	No analytical data are included in this report for this location.	Data are on hold for review by San Ildefonso Pueblo.	Data will be reported when released by San Ildefonso Pueblo.
Los Alamos Canyon near Otowi Bridge on 09/03/10	No data are included in this report for this location.	This location was not sampled because it was dry.	Location will be sampled during next scheduled PME.

Table 3.4-2
Analytes with PQLs and MDLs above Screening-Level Values

CAS No.	Analyte Name	MDL	PQL	Screening Level	Unit	Screening-Level Type
Radionuclides						
Np-237	Neptunium-237	n/a*	10	1.2	pCi/L	DOE DCG
Semivolatile Organic Analytes						
1912-24-9	Atrazine	2	10	3	µg/L	EPA MCL
103-33-3	Azobenzene	2	10	1.3	µg/L	EPA Regional Tap
92-87-5	Benzidine	2	50	0.00094	µg/L	EPA Regional Tap
56-55-3	Benzo(a)anthracene	0.2	1	0.29	µg/L	EPA Regional Tap
50-32-8	Benzo(a)pyrene	0.2	1	0.2	µg/L	EPA MCL
205-99-2	Benzo(b)fluoranthene	0.2	1	0.29	µg/L	EPA Regional Tap
111-44-4	Bis(2-chloroethyl)ether	2	10	0.12	µg/L	EPA Regional Tap
117-81-7	Bis(2-ethylhexyl)phthalate	2	10	6	µg/L	EPA MCL
106-47-8	Chloroaniline[4-]	2	10	3.4	µg/L	EPA Regional Tap
53-70-3	Dibenz(a,h)anthracene	0.2	1	0.029	µg/L	EPA Regional Tap
91-94-1	Dichlorobenzidine[3,3'-]	1	10	1.5	µg/L	EPA Regional Tap
534-52-1	Dinitro-2-methylphenol[4,6-]	3	10	3.6	µg/L	EPA Regional Tap
121-14-2	Dinitrotoluene[2,4-]	2	10	2.2	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	2	10	1	µg/L	EPA MCL
87-68-3	Hexachlorobutadiene	2	10	8.6	µg/L	EPA Regional Tap
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	1	0.29	µg/L	EPA Regional Tap
98-95-3	Nitrobenzene	3	10	1.2	µg/L	EPA Regional Tap
55-18-5	Nitrosodiethylamine[N-]	2	10	0.0014	µg/L	EPA Regional Tap
62-75-9	Nitrosodimethylamine[N-]	2	10	0.0042	µg/L	EPA Regional Tap
924-16-3	Nitroso-di-n-butylamine[N-]	2	10	0.024	µg/L	EPA Regional Tap
621-64-7	Nitroso-di-n-propylamine[N-]	2	10	0.096	µg/L	EPA Regional Tap
930-55-2	Nitrosopyrrolidine[N-]	2	10	0.32	µg/L	EPA Regional Tap
108-60-1	Oxybis(1-chloropropane)[2,2'-]	2	10	3.2	µg/L	EPA Regional Tap
87-86-5	Pentachlorophenol	2	10	1	µg/L	EPA MCL
108-95-2	Phenol	1	10	5	µg/L	NM GW STD
Volatile Organic Analytes						
107-02-8	Acrolein	3	5	0.042	µg/L	EPA Regional Tap
107-13-1	Acrylonitrile	1	5	0.45	µg/L	EPA Regional Tap
96-12-8	Dibromo-3-chloropropane[1,2-]	0.5	1	0.2	µg/L	EPA MCL
106-93-4	Dibromoethane[1,2-]	0.25	1	0.05	µg/L	EPA MCL
126-98-7	Methacrylonitrile	1	5	1	µg/L	EPA Regional Tap
96-18-4	Trichloropropane[1,2,3-]	0.3	1	0.0072	µg/L	EPA Regional Tap

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

* n/a = Not applicable.

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

Standard Type	Groundwater	Surface Water
DOE BCGs	n/a[a]	X[b]
DOE 100-mrem Public Dose DCG	X	n/a
DOE 4-mrem Drinking Water DCG	X	n/a
EPA MCL	X	n/a
EPA Regional Tap Water Screening Level	X	n/a
New Mexico Environmental Improvement Board Radiation Protection Standards	X	X
NMWQCC Groundwater Standard	X	n/a
NMWQCC Irrigation Standard	n/a	X
NMWQCC Livestock Watering Standard	n/a	X
NMWQCC Wildlife Habitat Standard	n/a	X
NMWQCC Aquatic Life Standards Acute	n/a	X
NMWQCC Aquatic Life Standards Chronic	n/a	X
NMWQCC Human Health Standard	n/a	X

[a] n/a = Not applicable.

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

Table 4.2-2
Los Alamos Watershed Results above Screening Levels for Surface Water and Groundwater

Location	Date	Analyte	Field Preparation	Result	Unit	Screening-Level Value	Screening-Level Source
Surface Water							
Acid above Pueblo	07/09/09	Gross Alpha	UF[a]	16.6	pCi/L	15	NM Livestock Watering Standard
Alluvial Groundwater							
LLAO-4	07/08/09	Gross Alpha	UF	16.3	pCi/L	15	EPA MCL
Intermediate Groundwater							
R-6i	08/19/10	Perchlorate	F[b]	6.17	µg/L	4	Consent Order
LAOI-3.2	08/23/10	Perchlorate	F	4.61	µg/L	4	Consent Order

[a] UF = Unfiltered.

[b] F = Filtered.

Appendix A

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

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Basalt Spring	—[a]	—	08/25/10	WG[b]	Dissolved Oxygen	6.31	mg/L	CALA-10-25233
Basalt Spring	—	—	07/09/09	WG	Dissolved Oxygen	7.35	mg/L	CALA-09-11188
Basalt Spring	—	—	01/13/09	WG	Dissolved Oxygen	8.22	mg/L	CALA-09-1697
Basalt Spring	—	—	08/25/08	WG	Dissolved Oxygen	8.05	mg/L	CALA-08-13921
Basalt Spring	—	—	01/25/08	WG	Dissolved Oxygen	3.6	mg/L	CALA-08-9808
Basalt Spring	—	—	08/25/10	WG	pH	6.9	SU[c]	CALA-10-25233
Basalt Spring	—	—	07/09/09	WG	pH	6.91	SU	CALA-09-11188
Basalt Spring	—	—	01/13/09	WG	pH	7.31	SU	CALA-09-1697
Basalt Spring	—	—	08/25/08	WG	pH	6.96	SU	CALA-08-13921
Basalt Spring	—	—	01/25/08	WG	pH	6.82	SU	CALA-08-9808
Basalt Spring	—	—	08/25/10	WG	Specific Conductance	344	µS/cm[d]	CALA-10-25233
Basalt Spring	—	—	07/09/09	WG	Specific Conductance	284	µS/cm	CALA-09-11188
Basalt Spring	—	—	01/13/09	WG	Specific Conductance	215	µS/cm	CALA-09-1697
Basalt Spring	—	—	08/25/08	WG	Specific Conductance	334	µS/cm	CALA-08-13921
Basalt Spring	—	—	01/25/08	WG	Specific Conductance	448	µS/cm	CALA-08-9808
Basalt Spring	—	—	08/25/10	WG	Temperature	11.12	deg C	CALA-10-25233
Basalt Spring	—	—	07/09/09	WG	Temperature	12	deg C	CALA-09-11188
Basalt Spring	—	—	01/13/09	WG	Temperature	10.2	deg C	CALA-09-1697
Basalt Spring	—	—	08/25/08	WG	Temperature	11.8	deg C	CALA-08-13921
Basalt Spring	—	—	01/25/08	WG	Temperature	10.3	deg C	CALA-08-9808
Basalt Spring	—	—	08/25/10	WG	Turbidity	2.57	NTU[e]	CALA-10-25233
Basalt Spring	—	—	07/09/09	WG	Turbidity	1.21	NTU	CALA-09-11188
Basalt Spring	—	—	01/13/09	WG	Turbidity	0.52	NTU	CALA-09-1697
Basalt Spring	—	—	08/25/08	WG	Turbidity	0.71	NTU	CALA-08-13921
Basalt Spring	—	—	01/25/08	WG	Turbidity	0.72	NTU	CALA-08-9808
Campsite Springs	—	—	08/30/10	WG	Dissolved Oxygen	7.34	mg/L	CALA-10-25650
Campsite Springs	—	—	08/18/10	WG	Dissolved Oxygen	8.3	mg/L	CALA-10-25510
Campsite Springs	—	—	07/14/05	WG	Dissolved Oxygen	4.94	mg/L	FU05070GPMC01

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Campsite Springs	—	—	06/08/05	WG	Dissolved Oxygen	6.5	mg/L	FU05040GPMC02
Campsite Springs	—	—	05/17/05	WG	Dissolved Oxygen	6.69	mg/L	FU05030GPMC01
Campsite Springs	—	—	08/30/10	WG	pH	7.36	SU	CALA-10-25650
Campsite Springs	—	—	08/18/10	WG	pH	6.96	SU	CALA-10-25510
Campsite Springs	—	—	07/14/05	WG	pH	7.85	SU	FU05070GPMC01
Campsite Springs	—	—	06/08/05	WG	pH	7.73	SU	FU05040GPMC02
Campsite Springs	—	—	05/17/05	WG	pH	7.86	SU	FU05030GPMC01
Campsite Springs	—	—	08/30/10	WG	Specific Conductance	90	µS/cm	CALA-10-25650
Campsite Springs	—	—	08/18/10	WG	Specific Conductance	74	µS/cm	CALA-10-25510
Campsite Springs	—	—	07/14/05	WG	Specific Conductance	33.1	µS/cm	FU05070GPMC01
Campsite Springs	—	—	05/17/05	WG	Specific Conductance	75	µS/cm	FU05030GPMC01
Campsite Springs	—	—	08/30/10	WG	Temperature	14.77	deg C	CALA-10-25650
Campsite Springs	—	—	08/18/10	WG	Temperature	9.91	deg C	CALA-10-25510
Campsite Springs	—	—	07/14/05	WG	Temperature	15	deg C	FU05070GPMC01
Campsite Springs	—	—	06/08/05	WG	Temperature	14.9	deg C	FU05040GPMC02
Campsite Springs	—	—	05/17/05	WG	Temperature	14.4	deg C	FU05030GPMC01
Campsite Springs	—	—	08/30/10	WG	Turbidity	0.6	NTU	CALA-10-25650
Campsite Springs	—	—	08/18/10	WG	Turbidity	19.4	NTU	CALA-10-25510
Campsite Springs	—	—	07/14/05	WG	Turbidity	0.53	NTU	FU05070GPMC01
LADP-3	5411	316	08/20/10	WG	Dissolved Oxygen	11.7	mg/L	CALA-10-24991
LADP-3	5411	316	01/07/10	WG	Dissolved Oxygen	5.01	mg/L	CALA-10-9163
LADP-3	5411	316	07/15/09	WG	Dissolved Oxygen	8.26	mg/L	CALA-09-11129
LADP-3	5411	316	01/09/09	WG	Dissolved Oxygen	8.02	mg/L	CALA-09-1747
LADP-3	5411	316	01/24/08	WG	Dissolved Oxygen	1.68	mg/L	CALA-08-10317
LADP-3	5411	316	08/20/10	WG	Oxidation Reduction Potential	460.1	mV[f]	CALA-10-24991
LADP-3	5411	316	01/07/10	WG	Oxidation Reduction Potential	366.2	mV	CALA-10-9163
LADP-3	5411	316	07/15/09	WG	Oxidation Reduction Potential	260.9	mV	CALA-09-11129
LADP-3	5411	316	01/09/09	WG	Oxidation Reduction Potential	332.5	mV	CALA-09-1747

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LADP-3	5411	316	01/24/08	WG	Oxidation Reduction Potential	418	mV	CALA-08-10317
LADP-3	5411	316	08/20/10	WG	pH	6.49	SU	CALA-10-24991
LADP-3	5411	316	01/07/10	WG	pH	6.33	SU	CALA-10-9163
LADP-3	5411	316	07/15/09	WG	pH	6.64	SU	CALA-09-11129
LADP-3	5411	316	01/09/09	WG	pH	6.68	SU	CALA-09-1747
LADP-3	5411	316	01/24/08	WG	pH	8.32	SU	CALA-08-10317
LADP-3	5411	316	08/20/10	WG	Specific Conductance	223	µS/cm	CALA-10-24991
LADP-3	5411	316	01/07/10	WG	Specific Conductance	230	µS/cm	CALA-10-9163
LADP-3	5411	316	07/15/09	WG	Specific Conductance	193	µS/cm	CALA-09-11129
LADP-3	5411	316	01/09/09	WG	Specific Conductance	158	µS/cm	CALA-09-1747
LADP-3	5411	316	01/24/08	WG	Specific Conductance	270	µS/cm	CALA-08-10317
LADP-3	5411	316	08/20/10	WG	Temperature	10.72	deg C	CALA-10-24991
LADP-3	5411	316	01/07/10	WG	Temperature	9.35	deg C	CALA-10-9163
LADP-3	5411	316	07/15/09	WG	Temperature	11.95	deg C	CALA-09-11129
LADP-3	5411	316	01/09/09	WG	Temperature	9.57	deg C	CALA-09-1747
LADP-3	5411	316	01/24/08	WG	Temperature	9.1	deg C	CALA-08-10317
LADP-3	5411	316	08/20/10	WG	Turbidity	0.69	NTU	CALA-10-24991
LADP-3	5411	316	01/07/10	WG	Turbidity	1.12	NTU	CALA-10-9163
LADP-3	5411	316	07/15/09	WG	Turbidity	0.97	NTU	CALA-09-11129
LADP-3	5411	316	01/09/09	WG	Turbidity	1.51	NTU	CALA-09-1747
LADP-3	5411	316	01/24/08	WG	Turbidity	0.28	NTU	CALA-08-10317
LAOI(a)-1.1	5391	295.2	08/19/10	WG	Dissolved Oxygen	8.76	mg/L	CALA-10-25215
LAOI(a)-1.1	5391	295.2	01/13/10	WG	Dissolved Oxygen	8.31	mg/L	CALA-10-9157
LAOI(a)-1.1	5391	295.2	07/07/09	WG	Dissolved Oxygen	6.18	mg/L	CALA-09-11125
LAOI(a)-1.1	5391	295.2	01/13/09	WG	Dissolved Oxygen	6.03	mg/L	CALA-09-1725
LAOI(a)-1.1	5391	295.2	09/03/08	WG	Dissolved Oxygen	8.31	mg/L	CALA-08-13865
LAOI(a)-1.1	5391	295.2	08/19/10	WG	Oxidation Reduction Potential	159	mV	CALA-10-25215
LAOI(a)-1.1	5391	295.2	01/13/10	WG	Oxidation Reduction Potential	259.8	mV	CALA-10-9157

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LAOI(a)-1.1	5391	295.2	07/07/09	WG	Oxidation Reduction Potential	419.2	mV	CALA-09-11125
LAOI(a)-1.1	5391	295.2	01/13/09	WG	Oxidation Reduction Potential	440.7	mV	CALA-09-1725
LAOI(a)-1.1	5391	295.2	09/03/08	WG	Oxidation Reduction Potential	310	mV	CALA-08-13865
LAOI(a)-1.1	5391	295.2	08/19/10	WG	pH	6.31	SU	CALA-10-25215
LAOI(a)-1.1	5391	295.2	01/13/10	WG	pH	6.55	SU	CALA-10-9157
LAOI(a)-1.1	5391	295.2	07/07/09	WG	pH	6.65	SU	CALA-09-11125
LAOI(a)-1.1	5391	295.2	01/13/09	WG	pH	6.59	SU	CALA-09-1725
LAOI(a)-1.1	5391	295.2	09/03/08	WG	pH	7.33	SU	CALA-08-13865
LAOI(a)-1.1	5391	295.2	08/19/10	WG	Specific Conductance	87	µS/cm	CALA-10-25215
LAOI(a)-1.1	5391	295.2	01/13/10	WG	Specific Conductance	95	µS/cm	CALA-10-9157
LAOI(a)-1.1	5391	295.2	07/07/09	WG	Specific Conductance	87	µS/cm	CALA-09-11125
LAOI(a)-1.1	5391	295.2	01/13/09	WG	Specific Conductance	73	µS/cm	CALA-09-1725
LAOI(a)-1.1	5391	295.2	09/03/08	WG	Specific Conductance	88.6	µS/cm	CALA-08-13865
LAOI(a)-1.1	5391	295.2	08/19/10	WG	Temperature	9.95	deg C	CALA-10-25215
LAOI(a)-1.1	5391	295.2	01/13/10	WG	Temperature	9.04	deg C	CALA-10-9157
LAOI(a)-1.1	5391	295.2	07/07/09	WG	Temperature	10.14	deg C	CALA-09-11125
LAOI(a)-1.1	5391	295.2	01/13/09	WG	Temperature	9.32	deg C	CALA-09-1725
LAOI(a)-1.1	5391	295.2	09/03/08	WG	Temperature	11.2	deg C	CALA-08-13865
LAOI(a)-1.1	5391	295.2	08/19/10	WG	Turbidity	12.9	NTU	CALA-10-25215
LAOI(a)-1.1	5391	295.2	01/13/10	WG	Turbidity	127	NTU	CALA-10-9157
LAOI(a)-1.1	5391	295.2	07/07/09	WG	Turbidity	52.3	NTU	CALA-09-11125
LAOI(a)-1.1	5391	295.2	01/13/09	WG	Turbidity	500	NTU	CALA-09-1725
LAOI(a)-1.1	5391	295.2	09/03/08	WG	Turbidity	26.1	NTU	CALA-08-13865
LAOI-3.2	6001	153.3	08/23/10	WG	Dissolved Oxygen	12.06	mg/L	CALA-10-25220
LAOI-3.2	6001	153.3	01/08/10	WG	Dissolved Oxygen	5.76	mg/L	CALA-10-9174
LAOI-3.2	6001	153.3	07/08/09	WG	Dissolved Oxygen	8.66	mg/L	CALA-09-11149
LAOI-3.2	6001	153.3	01/12/09	WG	Dissolved Oxygen	8.93	mg/L	CALA-09-1732
LAOI-3.2	6001	153.3	08/28/08	WG	Dissolved Oxygen	8.23	mg/L	CALA-08-13888

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LAOI-3.2	6001	153.3	08/23/10	WG	Oxidation Reduction Potential	11.4	mV	CALA-10-25220
LAOI-3.2	6001	153.3	01/08/10	WG	Oxidation Reduction Potential	246.6	mV	CALA-10-9174
LAOI-3.2	6001	153.3	07/08/09	WG	Oxidation Reduction Potential	216.6	mV	CALA-09-11149
LAOI-3.2	6001	153.3	01/12/09	WG	Oxidation Reduction Potential	322	mV	CALA-09-1732
LAOI-3.2	6001	153.3	08/28/08	WG	Oxidation Reduction Potential	135	mV	CALA-08-13888
LAOI-3.2	6001	153.3	08/23/10	WG	pH	6.23	SU	CALA-10-25220
LAOI-3.2	6001	153.3	01/08/10	WG	pH	6.34	SU	CALA-10-9174
LAOI-3.2	6001	153.3	07/08/09	WG	pH	6.36	SU	CALA-09-11149
LAOI-3.2	6001	153.3	01/12/09	WG	pH	6.61	SU	CALA-09-1732
LAOI-3.2	6001	153.3	08/28/08	WG	pH	6.68	SU	CALA-08-13888
LAOI-3.2	6001	153.3	08/23/10	WG	Specific Conductance	208	µS/cm	CALA-10-25220
LAOI-3.2	6001	153.3	01/08/10	WG	Specific Conductance	228	µS/cm	CALA-10-9174
LAOI-3.2	6001	153.3	07/08/09	WG	Specific Conductance	193	µS/cm	CALA-09-11149
LAOI-3.2	6001	153.3	01/12/09	WG	Specific Conductance	175	µS/cm	CALA-09-1732
LAOI-3.2	6001	153.3	08/28/08	WG	Specific Conductance	241	µS/cm	CALA-08-13888
LAOI-3.2	6001	153.3	08/23/10	WG	Temperature	11.8	deg C	CALA-10-25220
LAOI-3.2	6001	153.3	01/08/10	WG	Temperature	10.74	deg C	CALA-10-9174
LAOI-3.2	6001	153.3	07/08/09	WG	Temperature	11.9	deg C	CALA-09-11149
LAOI-3.2	6001	153.3	01/12/09	WG	Temperature	11.14	deg C	CALA-09-1732
LAOI-3.2	6001	153.3	08/28/08	WG	Temperature	12.2	deg C	CALA-08-13888
LAOI-3.2	6001	153.3	08/23/10	WG	Turbidity	1.4	NTU	CALA-10-25220
LAOI-3.2	6001	153.3	01/08/10	WG	Turbidity	1.16	NTU	CALA-10-9174
LAOI-3.2	6001	153.3	07/08/09	WG	Turbidity	1.59	NTU	CALA-09-11149
LAOI-3.2	6001	153.3	01/12/09	WG	Turbidity	0.61	NTU	CALA-09-1732
LAOI-3.2	6001	153.3	08/28/08	WG	Turbidity	0.57	NTU	CALA-08-13888
LAOI-3.2a	7691	181.4	08/20/10	WG	Dissolved Oxygen	9.2	mg/L	CALA-10-25221
LAOI-3.2a	7691	181.4	01/08/10	WG	Dissolved Oxygen	4.91	mg/L	CALA-10-9171
LAOI-3.2a	7691	181.4	07/08/09	WG	Dissolved Oxygen	8.2	mg/L	CALA-09-11150

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LAOI-3.2a	7691	181.4	01/12/09	WG	Dissolved Oxygen	2.93	mg/L	CALA-09-1737
LAOI-3.2a	7691	181.4	09/05/08	WG	Dissolved Oxygen	6.59	mg/L	CALA-08-13896
LAOI-3.2a	7691	181.4	08/20/10	WG	Oxidation Reduction Potential	174.4	mV	CALA-10-25221
LAOI-3.2a	7691	181.4	07/08/09	WG	Oxidation Reduction Potential	507.5	mV	CALA-09-11150
LAOI-3.2a	7691	181.4	01/12/09	WG	Oxidation Reduction Potential	391.6	mV	CALA-09-1737
LAOI-3.2a	7691	181.4	09/05/08	WG	Oxidation Reduction Potential	140	mV	CALA-08-13896
LAOI-3.2a	7691	181.4	01/23/08	WG	Oxidation Reduction Potential	404	mV	CALA-08-9869
LAOI-3.2a	7691	181.4	08/20/10	WG	pH	5.96	SU	CALA-10-25221
LAOI-3.2a	7691	181.4	01/08/10	WG	pH	6.35	SU	CALA-10-9171
LAOI-3.2a	7691	181.4	07/08/09	WG	pH	5.53	SU	CALA-09-11150
LAOI-3.2a	7691	181.4	01/12/09	WG	pH	6.55	SU	CALA-09-1737
LAOI-3.2a	7691	181.4	09/05/08	WG	pH	6.83	SU	CALA-08-13896
LAOI-3.2a	7691	181.4	08/20/10	WG	Specific Conductance	265	µS/cm	CALA-10-25221
LAOI-3.2a	7691	181.4	01/08/10	WG	Specific Conductance	268	µS/cm	CALA-10-9171
LAOI-3.2a	7691	181.4	07/08/09	WG	Specific Conductance	218	µS/cm	CALA-09-11150
LAOI-3.2a	7691	181.4	01/12/09	WG	Specific Conductance	180	µS/cm	CALA-09-1737
LAOI-3.2a	7691	181.4	09/05/08	WG	Specific Conductance	226	µS/cm	CALA-08-13896
LAOI-3.2a	7691	181.4	08/20/10	WG	Temperature	12	deg C	CALA-10-25221
LAOI-3.2a	7691	181.4	01/08/10	WG	Temperature	11.39	deg C	CALA-10-9171
LAOI-3.2a	7691	181.4	07/08/09	WG	Temperature	12.2	deg C	CALA-09-11150
LAOI-3.2a	7691	181.4	01/12/09	WG	Temperature	11.79	deg C	CALA-09-1737
LAOI-3.2a	7691	181.4	09/05/08	WG	Temperature	14.6	deg C	CALA-08-13896
LAOI-3.2a	7691	181.4	08/20/10	WG	Turbidity	0.32	NTU	CALA-10-25221
LAOI-3.2a	7691	181.4	01/08/10	WG	Turbidity	0.65	NTU	CALA-10-9171
LAOI-3.2a	7691	181.4	07/08/09	WG	Turbidity	0.62	NTU	CALA-09-11150
LAOI-3.2a	7691	181.4	01/12/09	WG	Turbidity	0.99	NTU	CALA-09-1737
LAOI-3.2a	7691	181.4	09/05/08	WG	Turbidity	0.48	NTU	CALA-08-13896
LAOI-7	6411	240	08/26/10	WG	Dissolved Oxygen	7.57	mg/L	CALA-10-25225

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LAOI-7	6411	240	01/14/10	WG	Dissolved Oxygen	7.3	mg/L	CALA-10-9165
LAOI-7	6411	240	07/13/09	WG	Dissolved Oxygen	8.56	mg/L	CALA-09-11155
LAOI-7	6411	240	01/07/09	WG	Dissolved Oxygen	7.36	mg/L	CALA-09-1734
LAOI-7	6411	240	08/27/08	WG	Dissolved Oxygen	6.83	mg/L	CALA-08-13897
LAOI-7	6411	240	08/26/10	WG	Oxidation Reduction Potential	85.9	mV	CALA-10-25225
LAOI-7	6411	240	01/14/10	WG	Oxidation Reduction Potential	436.4	mV	CALA-10-9165
LAOI-7	6411	240	07/13/09	WG	Oxidation Reduction Potential	317.7	mV	CALA-09-11155
LAOI-7	6411	240	01/07/09	WG	Oxidation Reduction Potential	158.1	mV	CALA-09-1734
LAOI-7	6411	240	08/27/08	WG	Oxidation Reduction Potential	120	mV	CALA-08-13897
LAOI-7	6411	240	08/26/10	WG	pH	6.87	SU	CALA-10-25225
LAOI-7	6411	240	01/14/10	WG	pH	6.68	SU	CALA-10-9165
LAOI-7	6411	240	07/13/09	WG	pH	5.36	SU	CALA-09-11155
LAOI-7	6411	240	01/07/09	WG	pH	6.97	SU	CALA-09-1734
LAOI-7	6411	240	08/27/08	WG	pH	7.23	SU	CALA-08-13897
LAOI-7	6411	240	08/26/10	WG	Specific Conductance	217	µS/cm	CALA-10-25225
LAOI-7	6411	240	01/14/10	WG	Specific Conductance	226	µS/cm	CALA-10-9165
LAOI-7	6411	240	07/13/09	WG	Specific Conductance	184	µS/cm	CALA-09-11155
LAOI-7	6411	240	01/07/09	WG	Specific Conductance	192	µS/cm	CALA-09-1734
LAOI-7	6411	240	08/27/08	WG	Specific Conductance	212	µS/cm	CALA-08-13897
LAOI-7	6411	240	08/26/10	WG	Temperature	14.6	deg C	CALA-10-25225
LAOI-7	6411	240	01/14/10	WG	Temperature	13.96	deg C	CALA-10-9165
LAOI-7	6411	240	07/13/09	WG	Temperature	14.87	deg C	CALA-09-11155
LAOI-7	6411	240	01/07/09	WG	Temperature	14.3	deg C	CALA-09-1734
LAOI-7	6411	240	08/27/08	WG	Temperature	15.1	deg C	CALA-08-13897
LAOI-7	6411	240	08/26/10	WG	Turbidity	2.65	NTU	CALA-10-25225
LAOI-7	6411	240	01/14/10	WG	Turbidity	2.67	NTU	CALA-10-9165
LAOI-7	6411	240	07/13/09	WG	Turbidity	1.68	NTU	CALA-09-11155
LAOI-7	6411	240	01/07/09	WG	Turbidity	1.8	NTU	CALA-09-1734

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LAOI-7	6411	240	08/27/08	WG	Turbidity	1.46	NTU	CALA-08-13897
LLAO-1b	5231	11.32	08/26/10	WG	Dissolved Oxygen	7.3	mg/L	CALA-10-25244
LLAO-1b	5231	11.32	01/25/08	WG	Dissolved Oxygen	5.95	mg/L	CALA-08-10387
LLAO-1b	5231	11.32	01/25/08	WG	Dissolved Oxygen	5.95	mg/L	CALA-08-9757
LLAO-1b	5231	11.32	07/24/07	WG	Dissolved Oxygen	5.08	mg/L	FU070700GB1L01
LLAO-1b	5231	11.32	04/24/07	WG	Dissolved Oxygen	5.91	mg/L	FU070400GB1L01
LLAO-1b	5231	11.32	08/09/06	WG	Dissolved Oxygen	7.8	mg/L	FU060700GB1L01
LLAO-1b	5231	11.32	08/26/10	WG	Oxidation Reduction Potential	495.1	mV	CALA-10-25244
LLAO-1b	5231	11.32	01/25/08	WG	Oxidation Reduction Potential	274	mV	CALA-08-10387
LLAO-1b	5231	11.32	01/25/08	WG	Oxidation Reduction Potential	274	mV	CALA-08-9757
LLAO-1b	5231	11.32	07/24/07	WG	Oxidation Reduction Potential	551	mV	FU070700GB1L01
LLAO-1b	5231	11.32	04/24/07	WG	Oxidation Reduction Potential	259	mV	FU070400GB1L01
LLAO-1b	5231	11.32	08/09/06	WG	Oxidation Reduction Potential	379.3	mV	FU060700GB1L01
LLAO-1b	5231	11.32	08/26/10	WG	pH	6.32	SU	CALA-10-25244
LLAO-1b	5231	11.32	01/25/08	WG	pH	6.56	SU	CALA-08-10387
LLAO-1b	5231	11.32	01/25/08	WG	pH	6.56	SU	CALA-08-9757
LLAO-1b	5231	11.32	07/24/07	WG	pH	6.56	SU	FU070700GB1L01
LLAO-1b	5231	11.32	04/24/07	WG	pH	6.77	SU	FU070400GB1L01
LLAO-1b	5231	11.32	08/09/06	WG	pH	6.68	SU	FU060700GB1L01
LLAO-1b	5231	11.32	08/26/10	WG	Specific Conductance	462	µS/cm	CALA-10-25244
LLAO-1b	5231	11.32	01/25/08	WG	Specific Conductance	460	µS/cm	CALA-08-9757
LLAO-1b	5231	11.32	01/25/08	WG	Specific Conductance	460	µS/cm	CALA-08-10387
LLAO-1b	5231	11.32	07/24/07	WG	Specific Conductance	631	µS/cm	FU070700GB1L01
LLAO-1b	5231	11.32	04/24/07	WG	Specific Conductance	552	µS/cm	FU070400GB1L01
LLAO-1b	5231	11.32	08/09/06	WG	Specific Conductance	472	µS/cm	FU060700GB1L01
LLAO-1b	5231	11.32	08/26/10	WG	Temperature	13.3	deg C	CALA-10-25244
LLAO-1b	5231	11.32	01/25/08	WG	Temperature	12.3	deg C	CALA-08-9757
LLAO-1b	5231	11.32	01/25/08	WG	Temperature	12.3	deg C	CALA-08-10387

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LLAO-1b	5231	11.32	07/24/07	WG	Temperature	17.4	deg C	FU070700GB1L01
LLAO-1b	5231	11.32	04/24/07	WG	Temperature	9	deg C	FU070400GB1L01
LLAO-1b	5231	11.32	08/09/06	WG	Temperature	15.2	deg C	FU060700GB1L01
LLAO-1b	5231	11.32	08/26/10	WG	Turbidity	2.37	NTU	CALA-10-25244
LLAO-1b	5231	11.32	01/25/08	WG	Turbidity	1.36	NTU	CALA-08-9757
LLAO-1b	5231	11.32	01/25/08	WG	Turbidity	1.36	NTU	CALA-08-10387
LLAO-1b	5231	11.32	07/24/07	WG	Turbidity	0.6	NTU	FU070700GB1L01
LLAO-1b	5231	11.32	04/24/07	WG	Turbidity	0.75	NTU	FU070400GB1L01
LLAO-1b	5231	11.32	08/09/06	WG	Turbidity	9.88	NTU	FU060700GB1L01
LLAO-4	5661	5.24	08/26/10	WG	Dissolved Oxygen	4.06	mg/L	CALA-10-25247
LLAO-4	5661	5.24	07/08/09	WG	Dissolved Oxygen	4.38	mg/L	CALA-09-11202
LLAO-4	5661	5.24	01/08/09	WG	Dissolved Oxygen	5.13	mg/L	CALA-09-1715
LLAO-4	5661	5.24	08/27/08	WG	Dissolved Oxygen	5.3	mg/L	CALA-08-13928
LLAO-4	5661	5.24	01/25/08	WG	Dissolved Oxygen	2.35	mg/L	CALA-08-10386
LLAO-4	5661	5.24	01/25/08	WG	Dissolved Oxygen	2.35	mg/L	CALA-08-9759
LLAO-4	5661	5.24	08/26/10	WG	Oxidation Reduction Potential	317	mV	CALA-10-25247
LLAO-4	5661	5.24	07/08/09	WG	Oxidation Reduction Potential	305.3	mV	CALA-09-11202
LLAO-4	5661	5.24	01/08/09	WG	Oxidation Reduction Potential	421	mV	CALA-09-1715
LLAO-4	5661	5.24	08/27/08	WG	Oxidation Reduction Potential	180	mV	CALA-08-13928
LLAO-4	5661	5.24	01/25/08	WG	Oxidation Reduction Potential	293	mV	CALA-08-10386
LLAO-4	5661	5.24	01/25/08	WG	Oxidation Reduction Potential	293	mV	CALA-08-9759
LLAO-4	5661	5.24	08/26/10	WG	pH	6.64	SU	CALA-10-25247
LLAO-4	5661	5.24	07/08/09	WG	pH	6.81	SU	CALA-09-11202
LLAO-4	5661	5.24	01/08/09	WG	pH	6.83	SU	CALA-09-1715
LLAO-4	5661	5.24	08/27/08	WG	pH	6.85	SU	CALA-08-13928
LLAO-4	5661	5.24	01/25/08	WG	pH	6.85	SU	CALA-08-10386
LLAO-4	5661	5.24	01/25/08	WG	pH	6.85	SU	CALA-08-9759
LLAO-4	5661	5.24	08/26/10	WG	Specific Conductance	460	µS/cm	CALA-10-25247

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LLAO-4	5661	5.24	07/08/09	WG	Specific Conductance	400	µS/cm	CALA-09-11202
LLAO-4	5661	5.24	01/08/09	WG	Specific Conductance	795	µS/cm	CALA-09-1715
LLAO-4	5661	5.24	08/27/08	WG	Specific Conductance	448	µS/cm	CALA-08-13928
LLAO-4	5661	5.24	01/25/08	WG	Specific Conductance	496	µS/cm	CALA-08-9759
LLAO-4	5661	5.24	01/25/08	WG	Specific Conductance	496	µS/cm	CALA-08-10386
LLAO-4	5661	5.24	08/26/10	WG	Temperature	15.89	deg C	CALA-10-25247
LLAO-4	5661	5.24	07/08/09	WG	Temperature	14.24	deg C	CALA-09-11202
LLAO-4	5661	5.24	01/08/09	WG	Temperature	12.93	deg C	CALA-09-1715
LLAO-4	5661	5.24	08/27/08	WG	Temperature	16.1	deg C	CALA-08-13928
LLAO-4	5661	5.24	01/25/08	WG	Temperature	14.6	deg C	CALA-08-10386
LLAO-4	5661	5.24	01/25/08	WG	Temperature	14.6	deg C	CALA-08-9759
LLAO-4	5661	5.24	08/26/10	WG	Turbidity	0.18	NTU	CALA-10-25247
LLAO-4	5661	5.24	07/08/09	WG	Turbidity	0.39	NTU	CALA-09-11202
LLAO-4	5661	5.24	01/08/09	WG	Turbidity	0.2	NTU	CALA-09-1715
LLAO-4	5661	5.24	08/27/08	WG	Turbidity	0.68	NTU	CALA-08-13928
LLAO-4	5661	5.24	01/25/08	WG	Turbidity	0.28	NTU	CALA-08-10386
LLAO-4	5661	5.24	01/25/08	WG	Turbidity	0.28	NTU	CALA-08-9759
Los Alamos Spring	—	—	08/25/10	WG	Dissolved Oxygen	8.02	mg/L	CALA-10-25238
Los Alamos Spring	—	—	07/09/09	WG	Dissolved Oxygen	9.02	mg/L	CALA-09-11189
Los Alamos Spring	—	—	01/13/09	WG	Dissolved Oxygen	0.18	mg/L	CALA-09-1811
Los Alamos Spring	—	—	08/25/08	WG	Dissolved Oxygen	8.69	mg/L	CALA-08-13923
Los Alamos Spring	—	—	01/25/08	WG	Dissolved Oxygen	9.94	mg/L	CALA-08-9789
Los Alamos Spring	—	—	08/25/10	WG	pH	7.67	SU	CALA-10-25238
Los Alamos Spring	—	—	07/09/09	WG	pH	7.71	SU	CALA-09-11189
Los Alamos Spring	—	—	01/13/09	WG	pH	7.85	SU	CALA-09-1811
Los Alamos Spring	—	—	08/25/08	WG	pH	7.05	SU	CALA-08-13923
Los Alamos Spring	—	—	01/25/08	WG	pH	7.29	SU	CALA-08-9789
Los Alamos Spring	—	—	08/25/10	WG	Specific Conductance	316	µS/cm	CALA-10-25238

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Los Alamos Spring	—	—	07/09/09	WG	Specific Conductance	256	µS/cm	CALA-09-11189
Los Alamos Spring	—	—	01/13/09	WG	Specific Conductance	245	µS/cm	CALA-09-1811
Los Alamos Spring	—	—	08/25/08	WG	Specific Conductance	332	µS/cm	CALA-08-13923
Los Alamos Spring	—	—	01/25/08	WG	Specific Conductance	313	µS/cm	CALA-08-9789
Los Alamos Spring	—	—	08/25/10	WG	Temperature	14.7	deg C	CALA-10-25238
Los Alamos Spring	—	—	07/09/09	WG	Temperature	12.61	deg C	CALA-09-11189
Los Alamos Spring	—	—	01/13/09	WG	Temperature	8.73	deg C	CALA-09-1811
Los Alamos Spring	—	—	08/25/08	WG	Temperature	14.5	deg C	CALA-08-13923
Los Alamos Spring	—	—	01/25/08	WG	Temperature	7.3	deg C	CALA-08-9789
Los Alamos Spring	—	—	08/25/10	WG	Turbidity	15.3	NTU	CALA-10-25238
Los Alamos Spring	—	—	07/09/09	WG	Turbidity	2.02	NTU	CALA-09-11189
Los Alamos Spring	—	—	01/13/09	WG	Turbidity	15	NTU	CALA-09-1811
Los Alamos Spring	—	—	08/25/08	WG	Turbidity	0.72	NTU	CALA-08-13923
Los Alamos Spring	—	—	01/25/08	WG	Turbidity	0.36	NTU	CALA-08-9789
R-6i	5881	602	08/19/10	WG	Dissolved Oxygen	6.77	mg/L	CALA-10-25228
R-6i	5881	602	01/08/10	WG	Dissolved Oxygen	7.05	mg/L	CALA-10-9177
R-6i	5881	602	07/14/09	WG	Dissolved Oxygen	6.76	mg/L	CALA-09-11157
R-6i	5881	602	01/20/09	WG	Dissolved Oxygen	6.9	mg/L	CALA-09-1741
R-6i	5881	602	08/27/08	WG	Dissolved Oxygen	5.71	mg/L	CALA-08-13889
R-6i	5881	602	08/19/10	WG	Oxidation Reduction Potential	371.9	mV	CALA-10-25228
R-6i	5881	602	01/08/10	WG	Oxidation Reduction Potential	266.8	mV	CALA-10-9177
R-6i	5881	602	07/14/09	WG	Oxidation Reduction Potential	383.2	mV	CALA-09-11157
R-6i	5881	602	01/20/09	WG	Oxidation Reduction Potential	226.6	mV	CALA-09-1741
R-6i	5881	602	08/27/08	WG	Oxidation Reduction Potential	125	mV	CALA-08-13889
R-6i	5881	602	08/19/10	WG	pH	7.17	SU	CALA-10-25228
R-6i	5881	602	01/08/10	WG	pH	7.27	SU	CALA-10-9177
R-6i	5881	602	07/14/09	WG	pH	6.94	SU	CALA-09-11157
R-6i	5881	602	01/20/09	WG	pH	7.3	SU	CALA-09-1741

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-6i	5881	602	08/27/08	WG	pH	7.43	SU	CALA-08-13889
R-6i	5881	602	08/19/10	WG	Specific Conductance	207	µS/cm	CALA-10-25228
R-6i	5881	602	01/08/10	WG	Specific Conductance	240	µS/cm	CALA-10-9177
R-6i	5881	602	07/14/09	WG	Specific Conductance	224	µS/cm	CALA-09-11157
R-6i	5881	602	01/20/09	WG	Specific Conductance	196	µS/cm	CALA-09-1741
R-6i	5881	602	08/27/08	WG	Specific Conductance	216	µS/cm	CALA-08-13889
R-6i	5881	602	08/19/10	WG	Temperature	17.47	deg C	CALA-10-25228
R-6i	5881	602	01/08/10	WG	Temperature	15.47	deg C	CALA-10-9177
R-6i	5881	602	07/14/09	WG	Temperature	17.88	deg C	CALA-09-11157
R-6i	5881	602	01/20/09	WG	Temperature	14.26	deg C	CALA-09-1741
R-6i	5881	602	08/27/08	WG	Temperature	18	deg C	CALA-08-13889
R-6i	5881	602	08/19/10	WG	Turbidity	0.15	NTU	CALA-10-25228
R-6i	5881	602	01/08/10	WG	Turbidity	0.49	NTU	CALA-10-9177
R-6i	5881	602	07/14/09	WG	Turbidity	0.63	NTU	CALA-09-11157
R-6i	5881	602	01/20/09	WG	Turbidity	0.64	NTU	CALA-09-1741
R-6i	5881	602	08/27/08	WG	Turbidity	1.02	NTU	CALA-08-13889
R-9i	552	198.8	08/23/10	WG	Dissolved Oxygen	7.29	mg/L	CALA-10-25201
R-9i	552	198.8	01/08/10	WG	Dissolved Oxygen	6.58	mg/L	CALA-10-9149
R-9i	552	198.8	07/08/09	WG	Dissolved Oxygen	4.66	mg/L	CALA-09-11139
R-9i	552	198.8	01/08/09	WG	Dissolved Oxygen	4.01	mg/L	CALA-09-1727
R-9i	552	198.8	08/29/08	WG	Dissolved Oxygen	4.5	mg/L	CALA-08-13878
R-9i	552	198.8	08/23/10	WG	pH	8.06	SU	CALA-10-25201
R-9i	552	198.8	01/08/10	WG	pH	8.08	SU	CALA-10-9149
R-9i	552	198.8	07/08/09	WG	pH	7.57	SU	CALA-09-11139
R-9i	552	198.8	01/08/09	WG	pH	6.98	SU	CALA-09-1727
R-9i	552	198.8	08/23/10	WG	Specific Conductance	301	µS/cm	CALA-10-25201
R-9i	552	198.8	01/08/10	WG	Specific Conductance	296	µS/cm	CALA-10-9149
R-9i	552	198.8	07/08/09	WG	Specific Conductance	242	µS/cm	CALA-09-11139

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-9i	552	198.8	01/08/09	WG	Specific Conductance	233	µS/cm	CALA-09-1727
R-9i	552	198.8	08/23/10	WG	Temperature	18.19	deg C	CALA-10-25201
R-9i	552	198.8	01/08/10	WG	Temperature	12.54	deg C	CALA-10-9149
R-9i	552	198.8	07/08/09	WG	Temperature	18.31	deg C	CALA-09-11139
R-9i	552	198.8	01/08/09	WG	Temperature	11.46	deg C	CALA-09-1727
R-9i	552	198.8	08/29/08	WG	Temperature	4.9	deg C	CALA-08-13878
R-9i	552	198.8	08/23/10	WG	Turbidity	3.17	NTU	CALA-10-25201
R-9i	552	198.8	01/08/10	WG	Turbidity	1.09	NTU	CALA-10-9149
R-9i	552	198.8	07/08/09	WG	Turbidity	1.26	NTU	CALA-09-11139
R-9i	552	198.8	01/08/09	WG	Turbidity	0.8	NTU	CALA-09-1727
R-9i	552	198.8	08/29/08	WG	Turbidity	2.6	NTU	CALA-08-13878
R-9i	602	278.8	08/24/10	WG	Dissolved Oxygen	6.77	mg/L	CALA-10-25204
R-9i	602	278.8	01/08/10	WG	Dissolved Oxygen	5.88	mg/L	CALA-10-9154
R-9i	602	278.8	07/08/09	WG	Dissolved Oxygen	5.79	mg/L	CALA-09-11146
R-9i	602	278.8	01/08/09	WG	Dissolved Oxygen	3.27	mg/L	CALA-09-1729
R-9i	602	278.8	09/02/08	WG	Dissolved Oxygen	6	mg/L	CALA-08-13881
R-9i	602	278.8	08/24/10	WG	pH	8.69	SU	CALA-10-25204
R-9i	602	278.8	01/08/10	WG	pH	8.08	SU	CALA-10-9154
R-9i	602	278.8	07/08/09	WG	pH	8.76	SU	CALA-09-11146
R-9i	602	278.8	01/08/09	WG	pH	8.76	SU	CALA-09-1729
R-9i	602	278.8	08/24/10	WG	Specific Conductance	197	µS/cm	CALA-10-25204
R-9i	602	278.8	01/08/10	WG	Specific Conductance	205	µS/cm	CALA-10-9154
R-9i	602	278.8	07/08/09	WG	Specific Conductance	169	µS/cm	CALA-09-11146
R-9i	602	278.8	01/08/09	WG	Specific Conductance	168	µS/cm	CALA-09-1729
R-9i	602	278.8	08/24/10	WG	Temperature	15.49	deg C	CALA-10-25204
R-9i	602	278.8	01/08/10	WG	Temperature	12.16	deg C	CALA-10-9154
R-9i	602	278.8	07/08/09	WG	Temperature	18.82	deg C	CALA-09-11146
R-9i	602	278.8	01/08/09	WG	Temperature	11.8	deg C	CALA-09-1729

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-9i	602	278.8	09/02/08	WG	Temperature	17.5	deg C	CALA-08-13881
R-9i	602	278.8	08/24/10	WG	Turbidity	0.75	NTU	CALA-10-25204
R-9i	602	278.8	01/08/10	WG	Turbidity	0.45	NTU	CALA-10-9154
R-9i	602	278.8	07/08/09	WG	Turbidity	0.99	NTU	CALA-09-11146
R-9i	602	278.8	01/08/09	WG	Turbidity	0.42	NTU	CALA-09-1729
R-9i	602	278.8	09/02/08	WG	Turbidity	0.67	NTU	CALA-08-13881
TA-53i	8801	600	08/25/10	WG	Dissolved Oxygen	6.69	mg/L	CALA-10-25207
TA-53i	8801	600	01/07/10	WG	Dissolved Oxygen	8.36	mg/L	CALA-10-9193
TA-53i	8801	600	11/30/09	WG	Dissolved Oxygen	6.34	mg/L	CALA-10-6870
TA-53i	8801	600	07/20/09	WG	Dissolved Oxygen	7.11	mg/L	CALA-09-11335
TA-53i	8801	600	05/21/09	WG	Dissolved Oxygen	6.72	mg/L	CASA-09-9285
TA-53i	8801	600	08/25/10	WG	pH	6.83	SU	CALA-10-25207
TA-53i	8801	600	01/07/10	WG	pH	6.59	SU	CALA-10-9193
TA-53i	8801	600	11/30/09	WG	pH	6.64	SU	CALA-10-6870
TA-53i	8801	600	07/20/09	WG	pH	7.03	SU	CALA-09-11335
TA-53i	8801	600	08/25/10	WG	Specific Conductance	288	µS/cm	CALA-10-25207
TA-53i	8801	600	01/07/10	WG	Specific Conductance	327	µS/cm	CALA-10-9193
TA-53i	8801	600	11/30/09	WG	Specific Conductance	318	µS/cm	CALA-10-6870
TA-53i	8801	600	07/20/09	WG	Specific Conductance	291	µS/cm	CALA-09-11335
TA-53i	8801	600	08/25/10	WG	Temperature	16.17	deg C	CALA-10-25207
TA-53i	8801	600	01/07/10	WG	Temperature	12.38	deg C	CALA-10-9193
TA-53i	8801	600	11/30/09	WG	Temperature	15.07	deg C	CALA-10-6870
TA-53i	8801	600	07/20/09	WG	Temperature	15.75	deg C	CALA-09-11335
TA-53i	8801	600	05/21/09	WG	Temperature	15.52	deg C	CASA-09-9285
TA-53i	8801	600	08/25/10	WG	Turbidity	2.49	NTU	CALA-10-25207
TA-53i	8801	600	01/07/10	WG	Turbidity	4.31	NTU	CALA-10-9193
TA-53i	8801	600	11/30/09	WG	Turbidity	3.36	NTU	CALA-10-6870
TA-53i	8801	600	07/20/09	WG	Turbidity	2.5	NTU	CALA-09-11335

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
TA-53i	8801	600	05/21/09	WG	Turbidity	3.91	NTU	CASA-09-9285
TW-2Ar	9081	102	08/23/10	WG	Dissolved Oxygen	8.43	mg/L	CAPU-10-25281
TW-2Ar	9081	102	04/29/10	WG	Dissolved Oxygen	7.87	mg/L	CALA-10-16926
TW-2Ar	9081	102	08/23/10	WG	Oxidation Reduction Potential	179.3	mV	CAPU-10-25281
TW-2Ar	9081	102	04/29/10	WG	Oxidation Reduction Potential	372.5	mV	CALA-10-16926
TW-2Ar	9081	102	08/23/10	WG	pH	6.57	SU	CAPU-10-25281
TW-2Ar	9081	102	04/29/10	WG	pH	6.5	SU	CALA-10-16926
TW-2Ar	9081	102	08/23/10	WG	Specific Conductance	351	µS/cm	CAPU-10-25281
TW-2Ar	9081	102	04/29/10	WG	Specific Conductance	387	µS/cm	CALA-10-16926
TW-2Ar	9081	102	08/23/10	WG	Temperature	16.42	deg C	CAPU-10-25281
TW-2Ar	9081	102	04/29/10	WG	Temperature	12.2	deg C	CALA-10-16926
TW-2Ar	9081	102	08/23/10	WG	Turbidity	3.49	NTU	CAPU-10-25281
TW-2Ar	9081	102	04/29/10	WG	Turbidity	0.69	NTU	CALA-10-16926

[a] — = Not applicable.

[b] WG = Groundwater.

[c] SU = Standard unit.

[d] µS/cm = Microsiemens per centimeter.

[e] NTU = Nephelometric turbidity unit.

[f] mV = Millivolt.

Appendix B

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

Appendix C

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

The following symbols, abbreviations, and acronyms are used throughout Appendix C.

%	percent
<	Based on qualifiers, the result was a nondetection.
—	none
*	(Inorganic) Duplicate analysis (relative percent difference) not within control limits
ARSL	American Radiation Services−Primary
B	(Organic) This analyte was present in the blank and the sample. (Inorganic) The reported value was obtained from a reading that was less than the contract-required detection limit but greater than or equal to the instrument detection limit.
CS	client sample
DL	dilution
DNX	dinitroso RDX (or hexahydro 1,3-nitro-1,3,5-triazine)
DUP	duplicate sample
E	(Organic) Analyte exceeded the concentration range. (Inorganic) The serial dilution was exceeded.
EPA	U.S. Environmental Protection Agency
EQB	equipment rinsate blank
ESE	Environmental Sciences & Engineering, Inc., Gainesville, FL
F	filtered
FB	field blank
FD	field duplicate
FTB	field trip blank
GEL	General Engineering Laboratories, Inc.
GELC	General Engineering Laboratories, Inc., Charleston, SC
Geninorg	general inorganics
H	(Organic/Inorganic) The required extraction or analysis holding time for this result was exceeded.
Hexp, HEXP	high explosives
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
J	(Inorganic) The associated numerical value is an estimated quantity. (Organic) The associated numerical value is an estimated quantity.
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.
LLEE	low-level electrolytic extraction
MDA	minimum detectable activity

MDL	method detection limit
MNX	mononitrosodimethylamine
N	(Inorganic) Spiked sample recovery was not within control limits.
NJ	(Organic) Analyte has been tentatively identified, and the associated numerical value is estimated based upon 1:1 response factor to the nearest eluting internal standard.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
PARA	Paragon Analytics, Inc.
QC	quality control
R	The reported sample result is classified as rejected because of serious noncompliances regarding QC acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.
Rad, RAD	radionuclides
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RE	reanalysis
REDP	reanalysis duplicate
SSC	suspended sediment concentration
STR	Severn Trent Laboratories, Richland, WA
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
SU	standard unit
Svoa	semivolatile organic analysis
TNX	trinitroso-RDX
TPU	total propagated uncertainty
TRP	triplicate
U	The analyte is classified as not detected
UF	unfiltered
UI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification.
UIL	University of Illinois
UJ	The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.
UMTL	University of Miami Tritium Laboratory
UN	Recovery not within control limits.
UUI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification, and the analytical lab assigned these gamma spectroscopy results as not detected.
Voa	volatile organic analysis
WG	groundwater
WM	snowmelt
WP	persistent water
WS	surface water

Table C-1: Los Alamos Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Acid above Pueblo	—	—	7/9/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	16.6	3.00E+00	3.60E+00	—	pCi/L	—	—	09-2591	CAPU-09-11210	GELC
Acid above Pueblo	—	—	1/28/2008	WM	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.43	1.18E+00	3.27E+00	—	pCi/L	—	J	202111	GU080100M05601	GELC
Acid above Pueblo	—	—	7/25/2007	WP	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.1	7.61E-01	1.97E+00	—	pCi/L	—	J	190281	GU070700P05601	GELC
Acid above Pueblo	—	—	7/27/2006	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.797	6.32E-01	2.22E+00	—	pCi/L	U	J-, U	168162	GU060700P05601	GELC
APCO-1	5211	4.7	1/9/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.00617	7.30E-01	2.90E+00	—	pCi/L	U	U	09-596	CAPU-09-1776	GELC
APCO-1	5211	4.7	8/1/2007	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.209	8.06E-01	3.00E+00	—	pCi/L	U	U	190721	GF070700G1PA01	GELC
APCO-1	5211	4.7	8/8/2006	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.17	7.75E-01	2.41E+00	—	pCi/L	U	U	168963	GF060700G1PA01	GELC
APCO-1	5211	4.7	5/9/2005	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.582	4.14E-01	1.51E+00	—	pCi/L	U	U	136321	GF05050G1PA01	GELC
APCO-1	5211	4.7	4/3/2001	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.03	6.40E-01	2.02E+00	—	pCi/L	U	U	40296	GF01041G1PA	GELC
APCO-1	5211	4.7	7/20/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0352	6.00E-01	2.30E+00	—	pCi/L	U	U	09-2689	CAPU-09-11228	GELC
APCO-1	5211	4.7	1/9/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.191	3.90E-01	2.00E+00	—	pCi/L	U	U	09-596	CAPU-09-1777	GELC
APCO-1	5211	4.7	8/1/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.2	6.57E-01	1.63E+00	—	pCi/L	—	J	190721	GU070700G1PA01	GELC
APCO-1	5211	4.7	8/8/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.28	1.49E+00	3.70E+00	—	pCi/L	—	J	168963	GU060700G1PA01	GELC
APCO-1	5211	4.7	10/6/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.15	4.04E-01	1.07E+00	—	pCi/L	—	J	123208	GU04090G1PA01	GELC
Basalt Spring	—	—	7/9/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.398	6.60E-01	2.80E+00	—	pCi/L	U	U	09-2594	CALA-09-11188	GELC
Basalt Spring	—	—	8/8/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.943	7.44E-01	2.18E+00	—	pCi/L	U	U	168892	GU060700GGSB01	GELC
Basalt Spring	—	—	5/11/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.19	4.59E-01	1.55E+00	—	pCi/L	U	U	136421	GU05050GGSB01	GELC
DP below Meadow at TA-21	—	—	7/14/2009	WS	UF	CS	FD	Rad	EPA:900	Gross alpha	<	-1.32	6.10E-01	2.40E+00	—	pCi/L	U	U	09-2641	CALA-09-11073	GELC
DP below Meadow at TA-21	—	—	7/14/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.433	1.40E+00	2.70E+00	—	pCi/L	U	U	09-2641	CALA-09-11069	GELC
DP below Meadow at TA-21	—	—	7/25/2007	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.509	6.91E-01	2.33E+00	—	pCi/L	U	U	190281	GU070700P03901	GELC
DP below Meadow at TA-21	—	—	7/26/2006	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.62	2.57E+00	2.90E+00	—	pCi/L	—	J, J-	168081	GU060700P03901	GELC
DP Spring	—	—	7/21/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.46	1.30E+00	3.00E+00	—	pCi/L	U	U	09-2709	CALA-09-11085	GELC
DP Spring	—	—	7/23/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.07	8.48E-01	2.93E+00	—	pCi/L	U	U	190152	GU070700GSPD01	GELC
DP Spring	—	—	8/3/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.53	1.26E+00	2.49E+00	—	pCi/L	—	J	168597	GU060700GSPD01	GELC
DP Spring	—	—	5/6/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.43	3.82E-01	9.86E-01	—	pCi/L	—	J	136047	GU05050GSPD01	GELC
DP Spring	—	—	4/3/2001	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.315	5.96E-01	2.49E+00	—	pCi/L	U	U	40296	GU01031GSDP	GELC
LADP-3	5411	316	1/9/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.0215	3.20E-01	1.50E+00	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	7/15/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.93	9.10E-01	2.50E+00	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	1/9/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.295	4.80E-01	1.90E+00	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	1/7/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	85.2531	2.87E+00	2.87E-01	—	pCi/L	—	—	10-1190	CALA-10-9163	UMTL
LADP-3	5411	316	7/15/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	113.6708	3.83E+00	2.87E-01	—	pCi/L	—	—	09-2699	CALA-09-11129	UMTL
LADP-3	5411	316	1/9/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	106.0076	3.51E+00	2.87E-01	—	pCi/L	—	—	09-621	CALA-09-1747	UMTL
LADP-3	5411	316	4/26/2007	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	151	4.09E+01	1.21E+02	—	pCi/L	—	J	185087	GU070400G3PD01	GELC
LAO-0.3	5511	5.9	7/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.115	5.40E-01	2.20E+00	—	pCi/L	U	U	09-2619	CALA-09-11087	GELC
LAO-0.3	5511	5.9	7/17/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.854	6.33E-01	2.11E+00	—	pCi/L	U	U	189841	GU07070GLA0301	GELC
LAO-0.3	5511	5.9	7/31/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.06	4.16E-01	1.15E+00	—	pCi/L	U	U	168374	GU06070GLA0301	GELC
LAO-0.6	6701	8	7/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.13	7.40E-01	2.30E+00	—	pCi/L	U	U	09-2619	CALA-09-11107	GELC
LAO-0.6	6701	8	7/17/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.705	2.83E-01	2.21E+00	—	pCi/L	U	U	189841	GU07070GLA0601	GELC
LAO-0.6	6701	8	8/3/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.71	6.21E-01	1.82E+00	—	pCi/L	U	U	168633	GU06070GLA0601	GELC
LAO-1	4381	8	7/16/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.697	7.70E-01	2.80E+00	—	pCi/L	U	U	09-2668	CALA-09-11111	GELC
LAO-1	4381	8	8/1/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.61	9.45E-01	3.01E+00	—	pCi/L	U	U	190721	GU070700G1OL01	GELC
LAO-1	4381	8	6/2/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.672	3.24E-01	9.27E-01	—	pCi/L	U	U	114296	GU04050G1OL01	GELC
LAO-1	4381	8	9/18/2003	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.794	5.85E-01	1.81E+00	—	pCi/L	U	J	88401	GU03090G1OL01	GELC
LAO-1	4381	8	8/5/2002	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.192	8.80E-01	2.50E+00	—	pCi/L	U	U	64877	GU02070G1OL01	GELC
LAO-1	4381	8	4/5/2001	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.523	6.30E-01	2.05E+00	—	pCi/L	U	U	40403	GU01031G1OL	GELC
LAO-1.6g	5551	10.47	7/16/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.735	6.60E-01	2.40E+00	—	pCi/L	U	U	09-2668	CALA-09-11114	GELC
LAO-1.6g	5551	10.47	7/18/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.987	5.29E-01	1.60E+00	—	pCi/L	U	U	190027	GU070700G16G01	GELC
LAO-1.6g	5551	10.47	8/1/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.164	3.12E-01	1.48E+00	—	pCi/L	U	U, J-	168446	GU060700G16G01	GELC
LAO-2	4391	7	7/15/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.64	6.40E-01	3.00E+00	—	pCi/L	U	U	09-2653	CALA-09-11121	GELC
LAO-2	4391	7	7/23/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.921	7.24E-01	2.50E+00	—	pCi/L	U	U	190152	GU070700G2OL01	GELC
LAO-2	4391	7	7/27/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.72	7.39E-01	2.71E+00	—	pCi/L	U	J-, U	168163	GU060700G2OL01	GELC
LAO-2	4391	7	6/4/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.927	3.56E-01	1.12E+00	—	pCi/L	U	U	114323	GU04050G2OL01	GELC

Table C-1: Los Alamos Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAO-2	4391	7	9/19/2003	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.47	6.09E-01	1.53E+00	—	pCi/L	U	U	88401	GU03090G2OL01	GELC
LAO-3a	4401	4.7	7/15/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	-0.0752	4.40E-01	2.30E+00	—	pCi/L	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4401	4.7	7/15/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.38	9.20E-01	2.40E+00	—	pCi/L	U	U	09-2653	CALA-09-11091	GELC
LAO-3a	4401	4.7	7/19/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.517	7.57E-01	2.76E+00	—	pCi/L	U	U	190027	GU070700GA3L01	GELC
LAO-3a	4401	4.7	8/1/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.92	1.07E+00	2.75E+00	—	pCi/L	U	J-, U	168446	GU060700GA3L01	GELC
LAO-3a	4401	4.7	6/2/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.314	6.38E-01	2.23E+00	—	pCi/L	U	U	114296	GU04050GA3L01	GELC
LAO-3a	4401	4.7	9/17/2003	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.85	6.45E-01	1.66E+00	—	pCi/L	—	J	88401	GU03090GA3L01	GELC
LAO-4.5c	4431	13.3	7/14/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.327	5.70E-01	2.50E+00	—	pCi/L	U	U	09-2626	CALA-09-11124	GELC
LAO-4.5c	4431	13.3	7/19/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.658	4.34E-01	1.41E+00	—	pCi/L	U	U	190027	GU070700GC5401	GELC
LAO-4.5c	4431	13.3	6/4/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.415	3.44E-01	1.26E+00	—	pCi/L	U	U	114323	GU04050GC5401	GELC
LAO-4.5c	4431	13.3	3/28/2001	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.614	5.58E-01	1.87E+00	—	pCi/L	U	U	40017	GU01031GC54	GELC
LAO-B	5221	11.84	7/14/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	-0.599	5.00E-01	3.00E+00	—	pCi/L	U	U	09-2626	CALA-09-11104	GELC
LAO-B	5221	11.84	7/14/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.17	4.60E-01	2.10E+00	—	pCi/L	U	U	09-2626	CALA-09-11103	GELC
LAO-B	5221	11.84	7/16/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.0213	3.49E-01	1.56E+00	—	pCi/L	U	U	189777	GU070700GBAL20	GELC
LAO-B	5221	11.84	7/16/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.96	9.23E-01	2.85E+00	—	pCi/L	U	U	189777	GU070700GBAL01	GELC
LAO-B	5221	11.84	8/3/2006	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	-0.27	3.32E-01	1.26E+00	—	pCi/L	U	U	168638	GU060800GBAL01-FB	GELC
LAO-B	5221	11.84	8/3/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.209	3.38E-01	1.26E+00	—	pCi/L	U	U	168638	GU060700GBAL01	GELC
LAOI(a)-1.1	5391	295.2	7/7/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	7.33	1.50E+00	2.10E+00	—	pCi/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	7/31/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.35	9.60E-01	1.63E+00	—	pCi/L	—	J	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	8/4/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.14	4.15E-01	8.55E-01	—	pCi/L	—	J	168774	GU060700G11L01	GELC
LAOI(a)-1.1	5391	295.2	5/7/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.04	3.78E-01	1.01E+00	—	pCi/L	—	J	136186	GU05050G11L01	GELC
LAOI(a)-1.1	5391	295.2	6/3/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.803	5.41E-01	1.55E+00	—	pCi/L	U	U	114323	GU04050G11L01	GELC
LAOI(a)-1.1	5391	295.2	1/13/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	11.30322	3.83E-01	2.87E-01	—	pCi/L	—	—	10-1356	CALA-10-9157	UMTL
LAOI(a)-1.1	5391	295.2	7/7/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.38316	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2569	CALA-09-11125	UMTL
LAOI(a)-1.1	5391	295.2	1/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-629	CALA-09-1725	UMTL
LAOI(a)-1.1	5391	295.2	9/3/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.769513	9.87E-01	3.28E+00	—	pCi/L	U	U	08-1841	CALA-08-13865	ARSL
LAOI(a)-1.1	5391	295.2	7/31/2007	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	—	U	2376	UU070700G11L01	UMTL
LAOI-3.2	6001	153.3	7/8/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.82	9.50E-01	2.30E+00	—	pCi/L	—	—	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	7/26/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.3	4.56E-01	1.09E+00	—	pCi/L	—	J	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	7/25/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.09	8.87E-01	2.47E+00	—	pCi/L	U	U, J-	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	4/19/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.01	6.82E-01	1.58E+00	—	pCi/L	—	J, J-	161220	GU06040G32L01	GELC
LAOI-3.2	6001	153.3	11/15/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.04	8.75E-01	2.16E+00	—	pCi/L	—	J	150400	GU05110G32L01	GELC
LAOI-3.2a	7691	181.4	7/8/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.75	8.80E-01	2.10E+00	—	pCi/L	—	—	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	7/30/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.89	6.62E-01	1.72E+00	—	pCi/L	—	J	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	4/25/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.39	9.03E-01	2.26E+00	—	pCi/L	—	J	185012	GU07040GI32A01	GELC
LAOI-3.2a	7691	181.4	2/16/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.7	7.12E-01	1.89E+00	—	pCi/L	U	U	180976	GU07020GI32A01	GELC
LAOI-3.2a	7691	181.4	10/13/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.811	6.59E-01	2.29E+00	—	pCi/L	U	U	174177	GU06100GI32A01	GELC
LAOI-7	6411	240	7/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.15	8.30E-01	2.80E+00	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	7/19/2007	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	-0.394	3.38E-01	1.61E+00	—	pCi/L	U	U	190027	GU07070LAOI701-FB	GELC
LAOI-7	6411	240	7/19/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.71	9.26E-01	2.95E+00	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	4/18/2007	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	0.288	2.83E-01	1.00E+00	—	pCi/L	U	U	184649	GU07040LAOI701-FB	GELC
LAOI-7	6411	240	4/18/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.1	4.97E-01	1.34E+00	—	pCi/L	U	U	184649	GU07040LAOI720	GELC
LAOI-7	6411	240	4/18/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.54	3.70E-01	1.23E+00	—	pCi/L	U	U	184649	GU07040LAOI701	GELC
LAOI-7	6411	240	2/15/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.16	6.36E-01	1.72E+00	—	pCi/L	U	U	180975	GU07020LAOI701	GELC
LAOI-7	6411	240	8/1/2006	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.596	3.00E-01	9.18E-01	—	pCi/L	U	U	168378	GU06070LAOI790	GELC
LAOI-7	6411	240	8/1/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	0.964	2.47E-01	4.40E-01	—	pCi/L	—	J	168378	GU06070LAOI701	GELC
LAUZ-1	5361	5.35	7/17/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.679	8.10E-01	2.90E+00	—	pCi/L	U	U	09-2682	CALA-09-11117	GELC
LAUZ-1	5361	5.35	8/1/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.15	6.62E-01	1.67E+00	—	pCi/L	—	J	190721	GU070700G1ZL01	GELC
LAUZ-1	5361	5.35	8/2/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	13	3.28E+00	8.26E+00	—	pCi/L	—	J, J-	168446	GU060700G1ZL01	GELC
LLAO-4	5661	5.24	7/8/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	16.3	2.50E+00	2.20E+00	—	pCi/L	—	—	09-2571	CALA-09-11202	GELC
LLAO-4	5661	5.24	7/23/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0716	3.93E-01	1.50E+00	—	pCi/L	U	U	190192	GU070700G4LL01	GELC
LLAO-4	5661	5.24	8/9/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.976	6.21E-01	1.90E+00	—	pCi/L	U	U	169116	GU060700G4LL01	GELC

Table C-1: Los Alamos Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LLAO-4	5661	5.24	5/7/1997	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1	5.20E-01	1.67E+00	—	pCi/L	U	U	3124R	04LA-97-0007	ESE
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	5.9	—	—	7.30E-01	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	4.3	—	—	7.30E-01	mg/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.66	—	—	7.25E-01	mg/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	146	—	—	7.30E-01	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	149	—	—	7.30E-01	mg/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	145	—	—	7.30E-01	mg/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	148	—	—	7.30E-01	mg/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	149	—	—	7.30E-01	mg/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	149	—	—	7.25E-01	mg/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.136	—	—	6.60E-02	mg/L	J	J	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.157	—	—	6.70E-02	mg/L	J	J	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.149	—	—	6.70E-02	mg/L	J	J	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.162	—	—	6.70E-02	mg/L	J	J	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.229	—	—	6.60E-02	mg/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.7	—	—	5.00E-02	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	45	—	—	3.00E-02	mg/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.4	—	—	3.00E-02	mg/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	47.7	—	—	3.00E-02	mg/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	F	CS	—	Geninorg	EPA:200.7	Calcium	—	15.2	—	—	3.00E-02	mg/L	—	—	202074	GF080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	47.2	—	—	3.00E-02	mg/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	54.9	—	—	3.00E-02	mg/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.6	—	—	5.00E-02	mg/L	—	—	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FB	Geninorg	SW-846:6010B	Calcium	—	0.0556	—	—	3.00E-02	mg/L	J	J	09-652	CALA-09-1695	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	46.2	—	—	3.00E-02	mg/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.9	—	—	3.00E-02	mg/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	50	—	—	3.00E-02	mg/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Geninorg	EPA:200.7	Calcium	—	34.4	—	—	3.00E-02	mg/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.7	—	—	3.00E-02	mg/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	55	—	—	3.00E-02	mg/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	24.6	—	—	1.30E-01	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	26.1	—	—	1.30E-01	mg/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	26.1	—	—	1.30E-01	mg/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	29	—	—	1.30E-01	mg/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	32.9	—	—	1.30E-01	mg/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	EPA:300.0	Chloride	—	37.5	—	—	3.30E-01	mg/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.319	—	—	3.30E-02	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.345	—	—	3.30E-02	mg/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.342	—	—	3.30E-02	mg/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.385	—	—	3.30E-02	mg/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.33	—	—	3.30E-02	mg/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.361	—	—	3.30E-02	mg/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	128	—	—	3.50E-01	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	130	—	—	3.50E-01	mg/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	128	—	—	3.50E-01	mg/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	137	—	—	3.50E-01	mg/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.4	—	—	4.25E-01	mg/L	—	—	202074	GF080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	138	—	—	4.30E-01	mg/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	SM:A2340B	Hardness	—	160	—	—	4.25E-01	mg/L	—	—	190193	GF070700P11001	GELC

Table C-1: Los Alamos Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	128	—	—	3.50E-01	mg/L	—	—	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	133	—	—	3.50E-01	mg/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	130	—	—	3.50E-01	mg/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	144	—	—	3.50E-01	mg/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	108	—	—	4.25E-01	mg/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	134	—	—	4.30E-01	mg/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	160	—	—	4.25E-01	mg/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.93	—	—	8.50E-02	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.32	—	—	8.50E-02	mg/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.42	—	—	8.50E-02	mg/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	F	CS	—	Geninorg	EPA:200.7	Magnesium	—	2.54	—	—	8.50E-02	mg/L	—	—	202074	GF080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.92	—	—	8.50E-02	mg/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.5	—	—	8.50E-02	mg/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	8.50E-02	mg/L	—	—	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.28	—	—	8.50E-02	mg/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.24	—	—	8.50E-02	mg/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.69	—	—	8.50E-02	mg/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Geninorg	EPA:200.7	Magnesium	—	5.44	—	—	8.50E-02	mg/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.83	—	—	8.50E-02	mg/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.52	—	—	8.50E-02	mg/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.206	—	—	5.00E-02	ug/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.29	—	—	5.00E-02	ug/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.291	—	—	5.00E-02	ug/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.346	—	—	5.00E-02	ug/L	—	J	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.243	—	—	5.00E-02	ug/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.218	—	—	5.00E-02	ug/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.52	—	—	1.00E-02	SU	H	J-	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.04	—	—	1.00E-02	SU	H	J-	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.48	—	—	1.00E-02	SU	H	J-	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.71	—	—	1.00E-02	SU	H	J-	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	EPA:150.1	pH	—	8.1	—	—	1.00E-02	SU	H	J	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.34	—	—	5.00E-02	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.49	—	—	5.00E-02	mg/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.4	—	—	5.00E-02	mg/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.88	—	—	5.00E-02	mg/L	E	J	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	F	CS	—	Geninorg	EPA:200.7	Potassium	—	7.92	—	—	5.00E-02	mg/L	—	—	202074	GF080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.66	—	—	5.00E-02	mg/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.62	—	—	5.00E-02	mg/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.33	—	—	5.00E-02	mg/L	—	—	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.54	—	—	5.00E-02	mg/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.48	—	—	5.00E-02	mg/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.1	—	—	5.00E-02	mg/L	E	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Geninorg	EPA:200.7	Potassium	—	9.91	—	—	5.00E-02	mg/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.55	—	—	5.00E-02	mg/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.73	—	—	5.00E-02	mg/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	32.7	—	—	1.00E-01	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	31.9	—	—	4.50E-02	mg/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	31.2	—	—	4.50E-02	mg/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	33.3	—	—	4.50E-02	mg/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	F	CS	—	Geninorg	EPA:200.7	Sodium	—	47.3	—	—	4.50E-02	mg/L	—	—	202074	GF080100M11001	GELC

Table C-1: Los Alamos Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	37.3	—	—	4.50E-02	mg/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	42.7	—	—	4.50E-02	mg/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	32.8	—	—	1.00E-01	mg/L	—	—	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FB	Geninorg	SW-846:6010B	Sodium	—	0.359	—	—	4.50E-02	mg/L	—	J	09-652	CALA-09-1695	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	32.2	—	—	4.50E-02	mg/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	31.1	—	—	4.50E-02	mg/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	33.5	—	—	4.50E-02	mg/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Geninorg	EPA:200.7	Sodium	—	45.7	—	—	4.50E-02	mg/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	35.9	—	—	4.50E-02	mg/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	43.3	—	—	4.50E-02	mg/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	358	—	—	1.00E+00	uS/cm	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	408	—	—	1.00E+00	uS/cm	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	412	—	—	1.00E+00	uS/cm	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	422	—	—	1.00E+00	uS/cm	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	470	—	—	1.00E+00	uS/cm	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	523	—	—	1.00E+00	uS/cm	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.4	—	—	1.00E-01	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	18.1	—	—	1.00E-01	mg/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	18.1	—	—	1.00E-01	mg/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.5	—	—	1.00E-01	mg/L	—	J-	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.1	—	—	1.00E-01	mg/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.6	—	—	1.00E-01	mg/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	267	—	—	2.40E+00	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	278	—	—	2.40E+00	mg/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	257	—	—	2.40E+00	mg/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	285	—	—	2.40E+00	mg/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	292	—	—	2.40E+00	mg/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	323	—	—	2.38E+00	mg/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.22	—	—	3.30E-01	mg/L	—	—	10-1251	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.76	—	—	3.30E-01	mg/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.18	—	—	3.30E-01	mg/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.03	—	—	3.30E-01	mg/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.32	—	—	3.30E-01	mg/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.48	—	—	3.30E-01	mg/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	73.6	—	—	6.80E+01	ug/L	J	J	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Metals	SW-846:6010B	Aluminum	—	318	—	—	6.80E+01	ug/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	415	—	—	6.80E+01	ug/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	472	—	—	6.80E+01	ug/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Metals	EPA:200.7	Aluminum	—	5430	—	—	6.80E+01	ug/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	77.3	—	—	6.80E+01	ug/L	J	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	142	—	—	1.00E+00	ug/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Metals	SW-846:6010B	Barium	—	128	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	127	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	127	—	—	1.00E+00	ug/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	F	CS	—	Metals	EPA:200.7	Barium	—	33.2	—	—	1.00E+00	ug/L	—	—	202074	GF080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	132	—	—	1.00E+00	ug/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Metals	SW-846:6010B	Barium	—	146	—	—	1.00E+00	ug/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	142	—	—	1.00E+00	ug/L	—	—	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Metals	SW-846:6010B	Barium	—	145	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	152	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	141	—	—	1.00E+00	ug/L	—	—	08-1823	CALA-08-13919	GELC

Table C-1: Los Alamos Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Metals	EPA:200.7	Barium	—	474	—	—	1.00E+00	ug/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	130	—	—	1.00E+00	ug/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Metals	SW-846:6010B	Barium	—	148	—	—	1.00E+00	ug/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	50.7	—	—	1.50E+01	ug/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Metals	SW-846:6010B	Boron	—	48.7	—	—	1.00E+01	ug/L	J	J	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	47.9	—	—	1.00E+01	ug/L	J	J	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	68.4	—	—	1.00E+01	ug/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	70.9	—	—	1.00E+01	ug/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Metals	SW-846:6010B	Boron	—	94.5	—	—	1.00E+01	ug/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	47.6	—	—	1.50E+01	ug/L	J	J	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Metals	SW-846:6010B	Boron	—	49.3	—	—	1.00E+01	ug/L	J	J	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	47.9	—	—	1.00E+01	ug/L	J	J	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	67.8	—	—	1.00E+01	ug/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	66.9	—	—	1.00E+01	ug/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Metals	SW-846:6010B	Boron	—	95	—	—	1.00E+01	ug/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	46.1	—	—	3.00E+01	ug/L	J	J	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Metals	SW-846:6010B	Iron	—	460	—	—	2.50E+01	ug/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	279	—	—	2.50E+01	ug/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	267	—	—	2.50E+01	ug/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Metals	EPA:200.7	Iron	—	3950	—	—	2.50E+01	ug/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	33.3	—	—	2.50E+01	ug/L	J	J	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Metals	SW-846:6010B	Iron	—	40	—	—	2.50E+01	ug/L	J	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.86	—	—	2.00E+00	ug/L	J	J	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	27.5	—	—	2.00E+00	ug/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	27.4	—	—	2.00E+00	ug/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	22.4	—	—	2.00E+00	ug/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Metals	EPA:200.7	Manganese	—	1800	—	—	2.00E+00	ug/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.6	—	—	2.00E+00	ug/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.3	—	—	2.00E+00	ug/L	J	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.04	—	—	5.00E-01	ug/L	J	J	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Metals	SW-846:6020	Nickel	—	0.73	—	—	5.00E-01	ug/L	J	J	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	0.78	—	—	5.00E-01	ug/L	J	J	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	5.00E-01	ug/L	J	J	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	F	CS	—	Metals	EPA:200.8	Nickel	—	1.9	—	—	5.00E-01	ug/L	J	—	202074	GF080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	ug/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Metals	SW-846:6020	Nickel	—	2.6	—	—	5.00E-01	ug/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	5.00E-01	ug/L	J	J	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Metals	SW-846:6020	Nickel	—	0.93	—	—	5.00E-01	ug/L	J	J	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	ug/L	J	J	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Metals	EPA:200.8	Nickel	—	26.1	—	—	5.00E-01	ug/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	ug/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.5	—	—	5.00E-01	ug/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.2	—	—	5.30E-02	mg/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	53	—	—	3.20E-02	mg/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.2	—	—	3.20E-02	mg/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.9	—	—	3.20E-02	mg/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	50	—	—	3.20E-02	mg/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Metals	EPA:200.8	Silver	—	1.2	—	—	2.00E-01	ug/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Metals	SW-846:6020	Silver	<	0.2	—	—	2.00E-01	ug/L	U	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	455	—	—	1.00E+00	ug/L	—	—	10-1252	CALA-10-9201	GELC

Table C-1: Los Alamos Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Metals	SW-846:6010B	Strontium	—	434	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	425	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	458	—	—	1.00E+00	ug/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	410	—	—	1.00E+00	ug/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Metals	SW-846:6010B	Strontium	—	474	—	—	1.00E+00	ug/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	455	—	—	1.00E+00	ug/L	—	—	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	441	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	427	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	468	—	—	1.00E+00	ug/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	396	—	—	1.00E+00	ug/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Metals	SW-846:6010B	Strontium	—	474	—	—	1.00E+00	ug/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	2.32	—	—	5.00E-02	ug/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Metals	SW-846:6020	Uranium	—	2.2	—	—	5.00E-02	ug/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	2.3	—	—	5.00E-02	ug/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	2.6	—	—	5.00E-02	ug/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1.9	—	—	5.00E-02	ug/L	—	J	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Metals	SW-846:6020	Uranium	—	2.1	—	—	5.00E-02	ug/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.28	—	—	5.00E-02	ug/L	—	—	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Metals	SW-846:6020	Uranium	—	2.2	—	—	5.00E-02	ug/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.4	—	—	5.00E-02	ug/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.7	—	—	5.00E-02	ug/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.9	—	—	5.00E-02	ug/L	—	J	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.1	—	—	5.00E-02	ug/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.74	—	—	1.00E+00	ug/L	—	—	10-1252	CALA-10-9201	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	8.9	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1694	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.6	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1691	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.4	—	—	1.00E+00	ug/L	—	—	08-1823	CALA-08-13917	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	F	CS	—	Metals	EPA:200.7	Vanadium	—	3.7	—	—	1.00E+00	ug/L	J	—	202074	GF080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.9	—	—	1.00E+00	ug/L	—	—	08-494	CALA-08-9835	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.9	—	—	1.00E+00	ug/L	—	—	190193	GF070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.81	—	—	1.00E+00	ug/L	—	—	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	9.3	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1693	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/15/2009	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.2	—	—	1.00E+00	ug/L	—	—	09-652	CALA-09-1692	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.7	—	—	1.00E+00	ug/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Metals	EPA:200.7	Vanadium	—	26.7	—	—	1.00E+00	ug/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.8	—	—	1.00E+00	ug/L	—	—	08-494	CALA-08-9837	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10	—	—	1.00E+00	ug/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00298	3.70E-03	3.00E-02	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	4.00E-03	3.20E-02	—	pCi/L	U	U	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Rad	HASL-300	Americium-241	—	0.559	6.68E-02	7.81E-02	—	pCi/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00109	9.78E-03	4.02E-02	—	pCi/L	U	U	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.386	1.30E+00	4.00E+00	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.22	1.00E+00	3.50E+00	—	pCi/L	U	U	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.917	1.54E+00	5.23E+00	—	pCi/L	U	U	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.99	1.50E+00	3.90E+00	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.22	1.10E+00	3.20E+00	—	pCi/L	U	U	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.35	1.47E+00	4.29E+00	—	pCi/L	U	U	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.45	8.50E-01	2.60E+00	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Rad	EPA:900	Gross alpha	—	15.6	2.23E+00	2.87E+00	—	pCi/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.31	4.88E-01	1.42E+00	—	pCi/L	U	U	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.45	8.50E-01	2.60E+00	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	EPA:900	Gross beta	<	1.05	6.80E-01	2.10E+00	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC

Table C-1: Los Alamos Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Rad	EPA:900	Gross beta	—	38.1	5.30E+00	7.62E+00	—	pCi/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	EPA:900	Gross beta	—	5.13	9.88E-01	2.53E+00	—	pCi/L	—	J	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	17.5	1.00E+01	2.40E+01	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	20.1	1.30E+01	1.60E+01	—	pCi/L	—	U	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	64.3	1.16E+02	2.09E+02	—	pCi/L	U	U	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.32	1.10E+01	3.60E+01	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4	7.00E+00	2.40E+01	—	pCi/L	U	U	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.1	1.15E+01	3.52E+01	—	pCi/L	U	U	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00174	1.70E-03	2.40E-02	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00181	7.00E-03	2.50E-02	—	pCi/L	U	U	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.0724	2.13E-02	6.63E-02	—	pCi/L	—	J	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00961	8.82E-03	3.69E-02	—	pCi/L	U	U	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0105	4.30E-03	2.50E-02	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00902	4.80E-03	3.10E-02	—	pCi/L	U	U	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	13.1	4.97E-01	7.78E-02	—	pCi/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0173	1.07E-02	3.38E-02	—	pCi/L	U	U	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.9	1.80E+01	5.60E+01	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.29	1.50E+01	4.90E+01	—	pCi/L	U	U	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.7	1.94E+01	6.57E+01	—	pCi/L	U	U	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.75	1.10E+00	2.80E+00	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.53	9.30E-01	3.40E+00	—	pCi/L	U	U	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.9	1.56E+00	3.60E+00	—	pCi/L	U	U	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0608	1.20E-01	3.90E-01	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0317	1.30E-01	4.80E-01	—	pCi/L	U	U	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.147	5.69E-02	2.05E-01	—	pCi/L	U	U	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	LLEE	Tritium	—	7.40776	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1356	CALA-10-9199	UMTL
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	LLEE	Tritium	<	7.075688	1.55E+00	3.37E+00	—	pCi/L	—	U	08-1841	CALA-08-13919	ARSL
Los Alamos Canyon near Otowi Bridge	—	—	1/14/2008	WS	UF	CS	—	Rad	LLEE	Tritium	—	20.37134	6.71E-01	2.87E-01	—	pCi/L	—	—	08-509	CALA-08-9837	UMTL
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	LLEE	Tritium	—	21.0738	7.02E-01	2.87E-01	—	pCi/L	—	—	2371	UU070700P11001	UMTL
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.65	1.40E-01	8.20E-02	—	pCi/L	—	—	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.46	1.20E-01	1.10E-01	—	pCi/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Rad	HASL-300	Uranium-234	—	4.27	3.40E-01	4.69E-01	—	pCi/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.2	8.99E-02	3.51E-02	—	pCi/L	—	—	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0434	1.30E-02	4.60E-02	—	pCi/L	U	U	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0247	1.60E-02	6.10E-02	—	pCi/L	U	U	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.293	7.82E-02	2.32E-01	—	pCi/L	—	J	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0496	1.42E-02	2.96E-02	—	pCi/L	—	J	190193	GU070700P11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/13/2010	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.986	8.90E-02	5.40E-02	—	pCi/L	—	—	10-1252	CALA-10-9199	GELC
Los Alamos Canyon near Otowi Bridge	—	—	9/2/2008	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.794	7.20E-02	6.00E-02	—	pCi/L	—	—	08-1823	CALA-08-13919	GELC
Los Alamos Canyon near Otowi Bridge	—	—	1/28/2008	WM	UF	CS	—	Rad	HASL-300	Uranium-238	—	4.18	3.35E-01	2.76E-01	—	pCi/L	—	—	202074	GU080100M11001	GELC
Los Alamos Canyon near Otowi Bridge	—	—	7/24/2007	WP	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.69	5.87E-02	4.73E-02	—	pCi/L	—	—	190193	GU070700P11001	GELC
Los Alamos Spring	—	—	1/13/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	4.15	1.20E+00	2.40E+00	—	pCi/L	—	—	09-630	CALA-09-1812	GELC
Los Alamos Spring	—	—	7/31/2007	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.42	7.54E-01	2.28E+00	—	pCi/L	U	U	190642	GF070700GLAS01	GELC
Los Alamos Spring	—	—	7/9/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.894	7.10E-01	2.40E+00	—	pCi/L	U	U	09-2594	CALA-09-11192	GELC
Los Alamos Spring	—	—	7/9/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.99	1.10E+00	2.40E+00	—	pCi/L	—	U	09-2594	CALA-09-11189	GELC
Los Alamos Spring	—	—	1/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.41	1.10E+00	2.20E+00	—	pCi/L	—	—	09-630	CALA-09-1811	GELC
Los Alamos Spring	—	—	7/31/2007	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	0.309	3.30E-01	1.21E+00	—	pCi/L	U	U	190642	GU070700GLAS01-FB	GELC
Los Alamos Spring	—	—	7/31/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.85	8.35E-01	1.78E+00	—	pCi/L	—	J	190642	GU070700GLAS01	GELC
PAO-1	5561	5.89	7/7/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.08	8.50E-01	2.30E+00	—	pCi/L	U	U	09-2565	CAPU-09-11220	GELC
PAO-1	5561	5.89	7/25/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.544	4.33E-01	1.49E+00	—	pCi/L	U	U	190278	GU07070G1OAP01	GELC
PAO-1	5561	5.89	8/10/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.549	5.14E-01	2.22E+00	—	pCi/L	U	J+, U	169145	GU06070G1OAP01	GELC
PAO-2	6801	6.06	7/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.18	8.20E-01	2.50E+00	—	pCi/L	U	U	09-2597	CAPU-09-11222	GELC

Table C-1: Los Alamos Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
PAO-2	6801	6.06	7/25/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.31	5.55E-01	1.58E+00	—	pCi/L	U	U	190278	GU07070GPAO201	GELC
PAO-2	6801	6.06	8/10/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.69	7.68E-01	2.07E+00	—	pCi/L	U	J+, U	169145	GU06070GPAO201	GELC
PAO-4	5591	1.97	7/20/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.135	6.80E-01	2.60E+00	—	pCi/L	U	U	09-2689	CAPU-09-11225	GELC
PAO-4	5591	1.97	8/2/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.69	9.33E-01	2.85E+00	—	pCi/L	U	U	190796	GU07070G4OAP01	GELC
PAO-4	5591	1.97	8/10/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0711	6.50E-01	2.50E+00	—	pCi/L	U	J+, U	169145	GU06070G4OAP01	GELC
POI-4	4291	159	7/15/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.116	5.90E-01	2.80E+00	—	pCi/L	U	U	09-2657	CAPU-09-11240	GELC
POI-4	4291	159	8/2/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	12.2	3.01E+00	6.65E+00	—	pCi/L	—	J	190796	GU070700G4OP01	GELC
POI-4	4291	159	8/8/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.763	7.44E-01	2.42E+00	—	pCi/L	U	U	168963	GU060700G4OP01	GELC
POI-4	4291	159	5/7/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.5	5.56E-01	1.30E+00	—	pCi/L	—	J	136186	GU05050G4OP01	GELC
POI-4	4291	159	6/24/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.2	5.05E-01	1.32E+00	—	pCi/L	—	JN+	115711	GU04060G4OP01	GELC
Pueblo 3	—	—	7/21/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.963	6.60E-01	2.20E+00	—	pCi/L	U	U	09-2712	CAPU-09-11214	GELC
Pueblo 3	—	—	7/26/2007	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.332	4.98E-01	2.88E+00	—	pCi/L	U	U	190281	GU070700P3LP01	GELC
Pueblo 3	—	—	7/28/2006	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	6.8	1.25E+00	3.50E+00	—	pCi/L	—	J-, J	168313	GU060700P3LP01	GELC
Pueblo 3	—	—	6/9/2004	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0261	5.02E-01	2.01E+00	—	pCi/L	U	U	114786	GU04060W3LP01	GELC
Pueblo 3	—	—	7/29/2003	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.781	4.21E-01	1.45E+00	—	pCi/L	U	U	85116	GU03070W3LP01	GELC
Pueblo above Acid	—	—	7/9/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.95	8.90E-01	2.70E+00	—	pCi/L	U	U	09-2591	CAPU-09-11207	GELC
Pueblo above Acid	—	—	1/28/2008	WM	UF	CS	—	Rad	EPA:900	Gross alpha	—	9.03	1.17E+00	1.29E+00	—	pCi/L	—	—	202112	GU080100M05501	GELC
Pueblo above Acid	—	—	7/25/2007	WP	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.05	8.60E-01	2.93E+00	—	pCi/L	U	U	190281	GU070700P05520	GELC
Pueblo above Acid	—	—	7/25/2007	WP	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.174	3.61E-01	1.42E+00	—	pCi/L	U	U	190281	GU070700P05501	GELC
Pueblo above Acid	—	—	3/30/2005	WM	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.176	5.81E-01	2.38E+00	—	pCi/L	U	U	133525	GU05030M05501	GELC
Pueblo above SR-502	—	—	1/21/2009	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.14	3.50E-01	2.30E+00	—	pCi/L	U	U	09-704	CAPU-09-1767	GELC
Pueblo above SR-502	—	—	7/28/2006	WP	F	CS	FD	Rad	EPA:900	Gross alpha	<	1.2	7.56E-01	2.95E+00	—	pCi/L	U	J-, U	168313	GF060700P06090	GELC
Pueblo above SR-502	—	—	7/28/2006	WP	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.342	5.77E-01	2.95E+00	—	pCi/L	U	U, J-	168313	GF060700P06001	GELC
Pueblo above SR-502	—	—	5/2/2005	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	0.48	4.47E-01	1.55E+00	—	pCi/L	U	U	135792	GF05040P06001	GELC
Pueblo above SR-502	—	—	1/13/2010	WS	UF	CS	FD	Rad	EPA:900	Gross alpha	<	2.63	1.00E+00	2.30E+00	—	pCi/L	—	UJ	10-1250	CAPU-10-11281	GELC
Pueblo above SR-502	—	—	1/13/2010	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.851	6.00E-01	1.90E+00	—	pCi/L	U	UJ	10-1250	CAPU-10-9227	GELC
Pueblo above SR-502	—	—	1/21/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.946	7.60E-01	2.70E+00	—	pCi/L	U	U	09-704	CAPU-09-1766	GELC
Pueblo above SR-502	—	—	1/28/2008	WM	UF	CS	—	Rad	EPA:900	Gross alpha	—	72.9	7.25E+00	4.41E+00	—	pCi/L	—	—	202111	GU080100M06001	GELC
Pueblo above SR-502	—	—	7/28/2006	WP	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.83	6.24E-01	2.45E+00	—	pCi/L	U	U, J-	168313	GU060700P06090	GELC
Pueblo above SR-502	—	—	7/28/2006	WP	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.33	5.61E-01	1.76E+00	—	pCi/L	U	J-, U	168313	GU060700P06001	GELC
Pueblo above SR-502	—	—	12/17/2003	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.24	6.22E-01	1.62E+00	—	pCi/L	—	J	104142	GU03120W06001	GELC
Pueblo above SR-502	—	—	4/30/2002	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.22	5.99E-01	1.89E+00	—	pCi/L	U	U	59746	GU02041W060	GELC
R-2	1711	918	7/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.472	5.20E-01	2.00E+00	—	pCi/L	U	U	09-2599	CAPU-09-11257	GELC
R-2	1711	918	7/16/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.13	8.87E-01	3.07E+00	—	pCi/L	U	U	189777	GU070700G02R01	GELC
R-2	1711	918	7/24/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.31	7.51E-01	2.25E+00	—	pCi/L	—	J	167877	GU060700G02R01	GELC
R-2	1711	918	2/27/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	6.42	9.44E-01	1.27E+00	—	pCi/L	—	—	157105	GU06020G02R01	GELC
R-24	6321	825	7/16/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.631	7.10E-01	2.50E+00	—	pCi/L	U	U	09-2672	CAPU-09-11269	GELC
R-24	6321	825	7/18/2007	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	-0.474	3.98E-01	2.17E+00	—	pCi/L	U	U	190028	GU070700GR2401-FB	GELC
R-24	6321	825	7/18/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	2.18	8.98E-01	2.28E+00	—	pCi/L	U	U	190028	GU070700GR2420	GELC
R-24	6321	825	7/18/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.217	6.62E-01	2.94E+00	—	pCi/L	U	U	190028	GU070700GR2401	GELC
R-24	6321	825	4/16/2007	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	0.954	7.16E-01	2.44E+00	—	pCi/L	U	U	184416	GU070400GR2401-FB	GELC
R-24	6321	825	4/16/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	—	2.48	7.96E-01	1.61E+00	—	pCi/L	—	J	184416	GU070400GR2420	GELC
R-24	6321	825	4/16/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.58	6.69E-01	1.63E+00	—	pCi/L	U	U	184416	GU070400GR2401	GELC
R-24	6321	825	7/27/2006	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	—	2.56	5.88E-01	1.37E+00	—	pCi/L	—	J, J-	168165	GU060700GR2490	GELC
R-24	6321	825	7/27/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.966	4.29E-01	1.50E+00	—	pCi/L	U	U, J-	168165	GU060700GR2401	GELC
R-24	6321	825	5/10/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.21	6.33E-01	1.79E+00	—	pCi/L	—	J-, J	162852	GU060500GR2401	GELC
R-3i	7701	215.2	7/22/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	4.56	1.70E+00	4.50E+00	—	pCi/L	—	U	09-2716	CAPU-09-11235	GELC
R-3i	7701	215.2	7/22/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.4	1.60E+00	3.20E+00	—	pCi/L	—	—	09-2716	CAPU-09-11231	GELC
R-3i	7701	215.2	7/20/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	7.36	1.73E+00	2.53E+00	—	pCi/L	—	J	190068	GU070700G3iR01	GELC
R-3i	7701	215.2	4/9/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.14	1.06E+00	1.64E+00	—	pCi/L	—	J	183956	GU070400G3iR01	GELC
R-3i	7701	215.2	1/11/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	8.71	1.71E+00	2.78E+00	—	pCi/L	—	—	179102	GU061000G3iR01	GELC
R-3i	7701	215.2	8/10/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.2	9.35E-01	2.30E+00	—	pCi/L	U	U, J+	169145	GU060700G3iR01	GELC

Table C-1: Los Alamos Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-4	1721	792.9	7/16/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.33	4.40E-01	1.60E+00	—	pCi/L	U	U	09-2672	CAPU-09-11266	GELC
R-4	1721	792.9	7/16/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.46	6.00E-01	1.80E+00	—	pCi/L	U	U	09-2672	CAPU-09-11263	GELC
R-4	1721	792.9	7/18/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.552	5.57E-01	2.10E+00	—	pCi/L	U	U	190028	GU070700G04R01	GELC
R-4	1721	792.9	7/25/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.132	2.28E-01	1.78E+00	—	pCi/L	U	U	167995	GU060700G04R01	GELC
R-4	1721	792.9	2/28/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.99	5.50E-01	1.02E+00	—	pCi/L	—	J	157226	GU06020G04R01	GELC
R-5	2452	383.9	7/22/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.28	1.20E+00	3.30E+00	—	pCi/L	U	U	09-2718	CAPU-09-11247	GELC
R-5	2452	383.9	7/16/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.22	1.05E+00	2.74E+00	—	pCi/L	—	J	189841	GU07070G05R201	GELC
R-5	2452	383.9	7/25/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.72	5.35E-01	1.57E+00	—	pCi/L	—	J, J-	167998	GU06070G05R201	GELC
R-5	2452	383.9	5/2/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.62	5.30E-01	1.24E+00	—	pCi/L	—	J	135861	GU0504G05R201	GELC
R-5	2512	718.6	7/22/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.33	8.60E-01	2.70E+00	—	pCi/L	U	U	09-2726	CAPU-09-11252	GELC
R-5	2512	718.6	7/17/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.38	5.61E-01	1.47E+00	—	pCi/L	U	U	190027	GU07070G05R301	GELC
R-5	2512	718.6	7/26/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.06	6.73E-01	1.64E+00	—	pCi/L	—	J, J-	168163	GU06070G05R301	GELC
R-5	2512	718.6	5/3/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.41	4.18E-01	1.20E+00	—	pCi/L	—	J	136031	GU0504G05R301	GELC
R-5	2552	860.9	7/23/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.48	1.20E+00	3.40E+00	—	pCi/L	U	U	09-2726	CAPU-09-11255	GELC
R-5	2552	860.9	5/4/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.638	4.82E-01	1.47E+00	—	pCi/L	U	U	136031	GU0504G05R401	GELC
R-6	5871	1205	7/14/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.192	3.70E-01	1.50E+00	—	pCi/L	U	U	09-2641	CALA-09-11164	GELC
R-6	5871	1205	7/17/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.15	6.93E-01	1.56E+00	—	pCi/L	—	J	189841	GU070700G06R01	GELC
R-6	5871	1205	4/12/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.641	5.27E-01	1.70E+00	—	pCi/L	U	U	184266	GU070400G06R01	GELC
R-6	5871	1205	7/26/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.898	3.60E-01	1.16E+00	—	pCi/L	U	U	168072	GU060700G06R01	GELC
R-6	5871	1205	5/11/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.428	4.54E-01	1.92E+00	—	pCi/L	U	U, J-	162882	GU060500G06R01	GELC
R-6	5871	1205	1/8/2010	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1190	CALA-10-9182	UMTL
R-6	5871	1205	1/8/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1190	CALA-10-9179	UMTL
R-6	5871	1205	7/14/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2642	CALA-09-11164	UMTL
R-6	5871	1205	1/20/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-678	CALA-09-1759	UMTL
R-6	5871	1205	8/27/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.210147	9.77E-01	3.35E+00	—	pCi/L	U	U	08-1841	CALA-08-13902	ARSL
R-6	5871	1205	1/17/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.6386	2.87E-01	2.87E-01	—	pCi/L	—	U	08-550	CALA-08-9939	UMTL
R-6i	5881	602	7/14/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.61	5.60E-01	2.00E+00	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	7/17/2007	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	0.321	6.51E-01	2.54E+00	—	pCi/L	U	U	189841	GU070700G6IR01-FB	GELC
R-6i	5881	602	7/17/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.23	9.15E-01	2.27E+00	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	4/12/2007	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	0.0949	3.03E-01	1.30E+00	—	pCi/L	U	U	184266	GU070400G6IR01-FB	GELC
R-6i	5881	602	4/12/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.52	6.48E-01	1.61E+00	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	7/26/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0594	6.29E-01	2.93E+00	—	pCi/L	U	U	168072	GU060700G6IR01	GELC
R-6i	5881	602	5/11/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.31	4.79E-01	1.42E+00	—	pCi/L	U	J-, U	162882	GU060500G6IR01	GELC
R-7	1442	915.1	1/14/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	0.92597	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1356	CALA-10-9190	UMTL
R-7	1442	915.1	7/20/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.28737	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2729	CALA-09-11179	UMTL
R-7	1442	915.1	1/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-675	CALA-09-1750	UMTL
R-7	1442	915.1	8/26/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1784	CALA-08-14854	UMTL
R-7	1442	915.1	1/23/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	17.46571	2.78E+00	3.80E+00	—	pCi/L	—	U	08-580	CALA-08-9933	ARSL
R-8	2302	711.1	7/20/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0168	3.90E-01	1.50E+00	—	pCi/L	U	U	09-2694	CALA-09-11171	GELC
R-8	2302	711.1	7/24/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.124	3.10E-01	1.50E+00	—	pCi/L	U	U	190192	GU07070G08R101	GELC
R-8	2302	711.1	8/1/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0449	4.93E-01	2.16E+00	—	pCi/L	U	U	168595	GU06070G08R101	GELC
R-8	2302	711.1	4/27/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.967	4.79E-01	1.70E+00	—	pCi/L	U	U	135528	GU0504G08R101	GELC
R-8	2372	825	7/9/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.634	3.70E-01	2.90E+00	—	pCi/L	U	U	09-2594	CALA-09-11176	GELC
R-8	2372	825	4/28/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.559	4.88E-01	1.66E+00	—	pCi/L	U	U	135560	GU0504G08R201	GELC
R-9	1731	684	7/13/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.23	8.20E-01	2.70E+00	—	pCi/L	U	U	09-2616	CALA-09-11168	GELC
R-9	1731	684	7/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.96	9.50E-01	2.70E+00	—	pCi/L	U	U	09-2616	CALA-09-11165	GELC
R-9	1731	684	7/19/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.4	8.36E-01	2.58E+00	—	pCi/L	U	U	190028	GU070700G09R01	GELC
R-9	1731	684	7/31/2006	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	0.586	4.07E-01	1.36E+00	—	pCi/L	U	U	168378	GU060700G09R01-FB	GELC
R-9	1731	684	7/31/2006	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.57	6.31E-01	2.07E+00	—	pCi/L	U	U, J-	168378	GU060700G09R90	GELC
R-9	1731	684	7/31/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.631	4.66E-01	1.83E+00	—	pCi/L	U	J-, U	168378	GU060700G09R01	GELC
R-9	1731	684	4/28/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.41	4.71E-01	1.50E+00	—	pCi/L	U	U	135560	GU05040G09R01	GELC
R-9	1731	684	5/27/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.8	4.25E-01	1.07E+00	—	pCi/L	—	J	113901	GU04050G09R01	GELC

Table C-1: Los Alamos Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	552	198.8	7/8/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.94	1.00E+00	1.90E+00	—	pCi/L	—	—	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	4/29/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.63	5.51E-01	1.90E+00	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	6/2/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.735	3.59E-01	1.24E+00	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	2/6/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.704	4.19E-01	1.57E+00	—	pCi/L	U	U	106760	GU0311G9iR101	GELC
R-9i	552	198.8	8/2/2002	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.882	4.23E-01	1.65E+00	—	pCi/L	U	U	65607	GU0208G9iR101	GELC
R-9i	552	198.8	9/5/2001	WG	UF	CS	—	Rad	Gross Alpha	Gross alpha	<	1.37	6.00E-01	1.78E+00	—	pCi/L	U	U	9701R	GW9I-01-0009	STSL
R-9i	552	198.8	2/2/2001	WG	UF	CS	—	Rad	Gross Alpha	Gross alpha	<	0.3	5.50E-01	2.10E+00	—	pCi/L	U	U	8365R	GW9I-01-0001	PARA
R-9i	552	198.8	9/14/2000	WG	UF	CS	—	Rad	Gross Alpha	Gross alpha	<	1	5.50E-01	1.80E+00	—	pCi/L	U	U	7528R	CALA-00-0159	PARA
R-9i	552	198.8	1/8/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	112.7129	3.83E+00	2.87E-01	—	pCi/L	—	—	10-1190	CALA-10-9149	UMTL
R-9i	552	198.8	7/8/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	110.7971	3.83E+00	2.87E-01	—	pCi/L	—	—	09-2606	CALA-09-11139	UMTL
R-9i	552	198.8	1/8/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	112.3936	3.83E+00	2.87E-01	—	pCi/L	—	—	09-621	CALA-09-1727	UMTL
R-9i	552	198.8	8/29/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	61.015037	9.33E+00	3.25E+00	—	pCi/L	—	U	08-1841	CALA-08-13878	ARSL
R-9i	552	198.8	1/22/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	114.6287	3.83E+00	2.87E-01	—	pCi/L	—	—	08-560	CALA-08-9935	UMTL
R-9i	602	278.8	7/8/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.03	6.60E-01	2.10E+00	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	2/6/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.176	3.78E-01	1.62E+00	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	7/29/2002	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.867	5.49E-01	1.90E+00	—	pCi/L	U	U	64510	GU0207G9iR201	GELC
R-9i	602	278.8	9/6/2001	WG	UF	CS	—	Rad	Gross Alpha	Gross alpha	—	0.664	2.05E-01	5.26E-01	—	pCi/L	J	—	9721R	GW9I-01-0011	STSL
R-9i	602	278.8	2/21/2001	WG	UF	CS	—	Rad	Gross Alpha	Gross alpha	<	0.55	4.95E-01	1.70E+00	—	pCi/L	U	U	8387R	GW9I-01-0003	PARA
R-9i	602	278.8	1/8/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	111.755	3.83E+00	2.87E-01	—	pCi/L	—	—	10-1190	CALA-10-9154	UMTL
R-9i	602	278.8	7/8/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	118.141	3.83E+00	2.87E-01	—	pCi/L	—	—	09-2606	CALA-09-11146	UMTL
R-9i	602	278.8	1/8/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	116.8638	3.83E+00	2.87E-01	—	pCi/L	—	—	09-621	CALA-09-1729	UMTL
R-9i	602	278.8	9/2/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	87.721289	1.33E+01	3.55E+00	—	pCi/L	—	U	08-1841	CALA-08-13881	ARSL
R-9i	602	278.8	1/22/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	103.4532	3.51E+00	2.87E-01	—	pCi/L	—	—	08-560	CALA-08-9936	UMTL
TA-53i	8801	600	5/21/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.33	9.90E-01	2.90E+00	—	pCi/L	U	U	09-1987	CASA-09-9286	GELC
TA-53i	8801	600	1/7/2010	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.691	5.30E-01	1.80E+00	—	pCi/L	U	U	10-1170	CALA-10-9197	GELC
TA-53i	8801	600	1/7/2010	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.62	7.90E-01	2.20E+00	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.195	6.10E-01	3.00E+00	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	7/20/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.22	5.10E-01	1.90E+00	—	pCi/L	U	U	09-2692	CALA-09-11335	GELC
TA-53i	8801	600	5/21/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4	1.30E+00	2.90E+00	—	pCi/L	—	—	09-1987	CASA-09-9285	GELC
TA-53i	8801	600	1/7/2010	WG	UF	CS	FD	Rad	LLEE	Tritium	—	536.424	1.60E+01	2.87E-01	—	pCi/L	—	—	10-1190	CALA-10-9197	UMTL
TA-53i	8801	600	1/7/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	526.845	1.60E+01	2.87E-01	—	pCi/L	—	—	10-1190	CALA-10-9193	UMTL
TA-53i	8801	600	11/30/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	759.934	2.55E+01	2.87E-01	—	pCi/L	—	—	10-762	CALA-10-6870	UMTL
TA-53i	8801	600	7/20/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	581.126	1.92E+01	2.87E-01	—	pCi/L	—	—	09-2699	CALA-09-11335	UMTL
TA-53i	8801	600	5/21/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	574.74	1.92E+01	2.87E-01	—	pCi/L	—	—	09-2018	CASA-09-9285	UMTL
Test Well 3	4461	805	1/12/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	3.16107	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1243	CALA-10-9185	UMTL
Test Well 3	4461	805	7/22/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	2.80984	2.87E-01	2.87E-01	—	pCi/L	—	—	09-2729	CALA-09-11161	UMTL
Test Well 3	4461	805	1/19/2006	WG	UF	CS	—	Rad	LLEE	Tritium	—	15.42219	5.11E-01	2.87E-01	—	pCi/L	—	—	2170	UU06010G3WT01	UMTL
Test Well 3	4461	805	1/19/2006	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	-91.6	6.55E+01	2.31E+02	—	pCi/L	U	U	154285	GU06010G3WT01	GELC
Test Well 3	4461	805	4/29/2005	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	116	5.79E+01	1.88E+02	—	pCi/L	U	U	135808	GU05040G3WT01	GELC
Test Well 3	4461	805	4/29/2005	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.71547	2.87E-01	2.87E-01	—	pCi/L	—	—	2056	UU05040G3WT02	UMTL
Test Well 3	4461	805	9/29/2004	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	—	2.87E-01	pCi/L	—	U	1954	UU04090G3WT01	UMTL
Test Well 3	4461	805	9/29/2004	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	-93.3	7.88E+01	1.67E+02	—	pCi/L	U	U	122689	GU04090G3WT01	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Basalt Spring	—	—	07/09/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	349	—	—	1.00E+00	uS/cm	—	—	09-2595	CALA-09-11187	GELC
Basalt Spring	—	—	01/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	331	—	—	1.00E+00	uS/cm	—	—	09-630	CALA-09-1698	GELC
Basalt Spring	—	—	08/25/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	uS/cm	—	—	08-1767	CALA-08-13920	GELC
Basalt Spring	—	—	01/25/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	469	—	—	1.00E+00	uS/cm	—	—	08-576	CALA-08-9806	GELC
Basalt Spring	—	—	07/09/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.43	—	—	1.00E-02	SU	H	J-	09-2595	CALA-09-11187	GELC
Basalt Spring	—	—	01/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	09-630	CALA-09-1698	GELC
Basalt Spring	—	—	08/25/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.52	—	—	1.00E-02	SU	H	J-	08-1767	CALA-08-13920	GELC
Basalt Spring	—	—	01/25/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.02	—	—	1.00E-02	SU	H	J-	08-576	CALA-08-9806	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	38	—	—	7.30E-01	mg/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.017	—	—	1.60E-02	mg/L	J	J	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	5.51	—	—	5.00E-02	mg/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	5.49	—	—	5.00E-02	mg/L	—	—	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.18	—	—	6.60E-02	mg/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.161	—	—	3.30E-02	mg/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	21.5	—	—	3.50E-01	mg/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	21.3	—	—	3.50E-01	mg/L	—	—	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.88	—	—	8.50E-02	mg/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.85	—	—	8.50E-02	mg/L	—	—	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.286	—	—	5.00E-02	ug/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.37	—	—	1.00E-01	mg/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.34	—	—	1.00E-01	mg/L	—	—	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	86.9	—	—	1.00E+00	uS/cm	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.87	—	—	1.00E-01	mg/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	95	—	—	2.40E+00	mg/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.96	—	—	3.30E-01	mg/L	J	J	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J-	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	2.26	—	—	1.00E+00	ug/L	J	J	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	2.29	—	—	1.00E+00	ug/L	J	J	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.86	—	—	2.50E+00	ug/L	J	J	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.31	—	—	2.50E+00	ug/L	J	J	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.8	—	—	5.30E-02	mg/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	20.5	—	—	1.00E+00	ug/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	20.4	—	—	1.00E+00	ug/L	—	—	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.661	—	—	5.00E-02	ug/L	—	—	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.616	—	—	5.00E-02	ug/L	—	—	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.56	—	—	1.00E+00	ug/L	J	J	10-4406	CALA-10-25651	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.28	—	—	1.00E+00	ug/L	J	J	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00239	7.00E-04	3.90E-02	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.61	5.00E-01	4.80E+00	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.397	4.33E-01	4.60E+00	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.33	3.00E-01	2.90E+00	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.423	2.30E-01	2.50E+00	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	79.4	6.67E+00	9.20E+01	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.502	9.67E-01	9.50E+00	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.20E-03	2.00E-02	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00536	1.33E-03	2.90E-02	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.253	6.00E+00	6.10E+01	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.94	4.67E-01	5.30E+00	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.202	4.67E-02	4.70E-01	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.281	1.17E-02	7.90E-02	—	pCi/L	—	—	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0109	3.20E-03	4.00E-02	—	pCi/L	U	U	10-4406	CALA-10-25650	GELC
Campsite Springs	—	—	08/30/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.211	9.67E-03	3.50E-02	—	pCi/L	—	—	10-4406	CALA-10-25650	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	48.2	—	—	7.30E-01	mg/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	46.2	—	—	7.30E-01	mg/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.1	—	—	7.30E-01	mg/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.5	—	—	7.30E-01	mg/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.7	—	—	7.30E-01	mg/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	3.00E-02	mg/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	3.00E-02	mg/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.6	—	—	5.00E-02	mg/L	—	—	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	3.00E-02	mg/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	3.00E-02	mg/L	—	—	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.7	—	—	3.30E-01	mg/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	32	—	—	3.30E-01	mg/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	31.3	—	—	3.30E-01	mg/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	35.3	—	—	3.30E-01	mg/L	—	J+	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	32.7	—	—	3.30E-01	mg/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.255	—	—	3.30E-02	mg/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.347	—	—	3.30E-02	mg/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.323	—	—	3.30E-02	mg/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.197	—	—	3.30E-02	mg/L	—	J-	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.232	—	—	3.30E-02	mg/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.7	—	—	3.50E-01	mg/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49.9	—	—	3.50E-01	mg/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	50.1	—	—	3.50E-01	mg/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.8	—	—	3.50E-01	mg/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60	—	—	4.30E-01	mg/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.7	—	—	3.50E-01	mg/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.7	—	—	3.50E-01	mg/L	—	—	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.5	—	—	3.50E-01	mg/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.1	—	—	3.50E-01	mg/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.4	—	—	4.30E-01	mg/L	—	—	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.06	—	—	8.50E-02	mg/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.13	—	—	8.50E-02	mg/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.8	—	—	8.50E-02	mg/L	—	J	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.82	—	—	8.50E-02	mg/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.83	—	—	8.50E-02	mg/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.17	—	—	8.50E-02	mg/L	—	J	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.07	—	—	8.50E-02	mg/L	—	—	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.194	—	—	5.00E-02	mg/L	J	J	10-4270	CALA-10-25198	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.183	—	—	5.00E-02	mg/L	J	J	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0719	—	—	1.00E-02	mg/L	—	U	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.1	—	—	5.00E-02	mg/L	J	J	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.23	—	—	5.00E-02	mg/L	J	J-	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.137	—	—	5.00E-02	ug/L	J	J	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.161	—	—	5.00E-02	ug/L	J	J	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.135	—	—	5.00E-02	ug/L	J	J	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.13	—	—	5.00E-02	ug/L	J	J	09-598	CALA-09-1746	GELC
LADP-3	5411	316	09/04/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.134	—	—	5.00E-02	ug/L	J	J	08-1855	CALA-08-13884	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.73	—	—	5.00E-02	mg/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.73	—	—	5.00E-02	mg/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.91	—	—	5.00E-02	mg/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.68	—	—	5.00E-02	mg/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.58	—	—	5.00E-02	mg/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.67	—	—	5.00E-02	mg/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.94	—	—	5.00E-02	mg/L	—	—	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.96	—	—	5.00E-02	mg/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	7	—	—	5.00E-02	mg/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.78	—	—	5.00E-02	mg/L	—	—	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.3	—	—	1.00E-01	mg/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.3	—	—	1.00E-01	mg/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.5	—	—	1.00E-01	mg/L	E	J	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.2	—	—	4.50E-02	mg/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.1	—	—	4.50E-02	mg/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.1	—	—	1.00E-01	mg/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.9	—	—	1.00E-01	mg/L	—	—	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.2	—	—	1.00E-01	mg/L	E	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	24.9	—	—	4.50E-02	mg/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.7	—	—	4.50E-02	mg/L	—	—	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	227	—	—	1.00E+00	uS/cm	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	243	—	—	1.00E+00	uS/cm	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	230	—	—	1.00E+00	uS/cm	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	272	—	—	1.00E+00	uS/cm	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	262	—	—	1.00E+00	uS/cm	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.3	—	—	1.00E-01	mg/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7	—	—	1.00E-01	mg/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.14	—	—	1.00E-01	mg/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.65	—	—	1.00E-01	mg/L	—	J-	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.91	—	—	1.00E-01	mg/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	173	—	—	2.40E+00	mg/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	178	—	—	2.40E+00	mg/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	181	—	—	2.40E+00	mg/L	—	J	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	186	—	—	2.40E+00	mg/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	195	—	—	2.40E+00	mg/L	—	J	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.34	—	—	3.30E-01	mg/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.34	—	—	3.30E-01	mg/L	—	—	10-1171	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.33	—	—	3.30E-01	mg/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.5	—	—	3.30E-01	mg/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.31	—	—	3.30E-01	mg/L	—	—	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.21	—	—	1.00E-02	SU	H	J-	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.41	—	—	1.00E-02	SU	H	J-	10-1172	CALA-10-9162	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	5411	316	07/15/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.96	—	—	1.00E-02	SU	H	J-	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.95	—	—	1.00E-02	SU	H	J-	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.31	—	—	1.00E-02	SU	H	J-	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.2	—	—	1.00E+00	ug/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.5	—	—	1.00E+00	ug/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.9	—	—	1.00E+00	ug/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.8	—	—	1.00E+00	ug/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.4	—	—	1.00E+00	ug/L	—	J	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.7	—	—	1.00E+00	ug/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.1	—	—	1.00E+00	ug/L	—	—	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24	—	—	1.00E+00	ug/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.7	—	—	1.00E+00	ug/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.3	—	—	1.00E+00	ug/L	—	J	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	1.50E+01	ug/L	J	J	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.1	—	—	1.50E+01	ug/L	J	J	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.8	—	—	1.50E+01	ug/L	J	J	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	13.6	—	—	1.00E+01	ug/L	J	J	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.7	—	—	1.00E+01	ug/L	J	J	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27	—	—	1.50E+01	ug/L	J	J	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.6	—	—	1.50E+01	ug/L	J	J	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.5	—	—	1.50E+01	ug/L	J	J	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	12.4	—	—	1.00E+01	ug/L	J	J	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.2	—	—	1.00E+01	ug/L	J	J	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.15	—	—	2.50E+00	ug/L	J	J	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	14.9	—	—	2.50E+00	ug/L	—	U	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.4	—	—	2.50E+00	ug/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.6	—	—	1.50E+00	ug/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11	—	—	2.50E+00	ug/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.3	—	—	2.50E+00	ug/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	13.4	—	—	2.50E+00	ug/L	—	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.7	—	—	2.50E+00	ug/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11	—	—	1.50E+00	ug/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.9	—	—	2.50E+00	ug/L	—	—	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	29.3	—	—	2.50E+01	ug/L	J	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	108	—	—	3.00E+01	ug/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	58.4	—	—	3.00E+01	ug/L	J	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	26.4	—	—	2.50E+01	ug/L	J	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	2.42	—	—	5.00E-01	ug/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	08-575	CALA-08-10317	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	5411	316	08/20/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.01	—	—	2.00E+00	ug/L	J	J	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.84	—	—	2.00E+00	ug/L	J	J	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.35	—	—	1.00E-01	ug/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.83	—	—	1.00E-01	ug/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.98	—	—	1.00E-01	ug/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	ug/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	10	—	—	2.00E+00	ug/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.46	—	—	1.00E-01	ug/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.87	—	—	1.00E-01	ug/L	—	—	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.98	—	—	1.00E-01	ug/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	ug/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	2.1	—	—	2.00E+00	ug/L	J	J	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.38	—	—	5.00E-01	ug/L	J	J	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.518	—	—	5.00E-01	ug/L	J	J	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.579	—	—	5.00E-01	ug/L	J	J	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.63	—	—	5.00E-01	ug/L	J	J	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.74	—	—	5.00E-01	ug/L	J	J	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.92	—	—	5.00E-01	ug/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.9	—	—	5.00E-01	ug/L	J	J	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.542	—	—	5.00E-01	ug/L	J	J	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.53	—	—	5.00E-01	ug/L	J	J	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.2	—	—	5.30E-02	mg/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.6	—	—	5.30E-02	mg/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.4	—	—	5.30E-02	mg/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61	—	—	3.20E-02	mg/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.6	—	—	3.20E-02	mg/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	87.9	—	—	1.00E+00	ug/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	94.2	—	—	1.00E+00	ug/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	92.3	—	—	1.00E+00	ug/L	E	J	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	116	—	—	1.00E+00	ug/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	87.4	—	—	1.00E+00	ug/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	94.9	—	—	1.00E+00	ug/L	—	—	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	94.1	—	—	1.00E+00	ug/L	E	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	117	—	—	1.00E+00	ug/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	123	—	—	1.00E+00	ug/L	—	—	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.748	—	—	5.00E-02	ug/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.605	—	—	5.00E-02	ug/L	—	—	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.712	—	—	5.00E-02	ug/L	—	—	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.96	—	—	5.00E-02	ug/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.92	—	—	5.00E-02	ug/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.784	—	—	5.00E-02	ug/L	—	—	10-4270	CALA-10-24991	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.621	—	—	5.00E-02	ug/L	—	—	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.769	—	—	5.00E-02	ug/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.99	—	—	5.00E-02	ug/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.97	—	—	5.00E-02	ug/L	—	—	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.56	—	—	1.00E+00	ug/L	J	J	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.93	—	—	1.00E+00	ug/L	J	J	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.88	—	—	1.00E+00	ug/L	J	J	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.6	—	—	1.00E+00	ug/L	J	J	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2	—	—	1.00E+00	ug/L	J	J	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.54	—	—	1.00E+00	ug/L	J	J	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.89	—	—	1.00E+00	ug/L	J	J	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.85	—	—	1.00E+00	ug/L	J	J	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.5	—	—	1.00E+00	ug/L	J	J	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.9	—	—	1.00E+00	ug/L	J	J	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14	—	—	3.30E+00	ug/L	—	—	10-4270	CALA-10-25198	GELC
LADP-3	5411	316	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1172	CALA-10-9162	GELC
LADP-3	5411	316	07/15/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.14	—	—	3.30E+00	ug/L	J	J	09-2659	CALA-09-11128	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.4	—	—	2.00E+00	ug/L	J	J	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.1	—	—	2.00E+00	ug/L	J	J	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	33	—	—	3.30E+00	ug/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.65	—	—	3.30E+00	ug/L	J	J	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.8	—	—	2.00E+00	ug/L	J	J	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.6	—	—	2.00E+00	ug/L	J	J	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00676	3.10E-03	3.30E-02	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00623	1.63E-03	3.80E-02	—	pCi/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000782	8.33E-04	5.20E-02	—	pCi/L	U	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00285	5.00E-04	2.40E-02	—	pCi/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0157	3.67E-03	3.70E-02	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00199	2.10E-03	3.00E-02	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00438	1.30E-03	4.80E-02	—	pCi/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.22	4.33E-01	4.10E+00	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.55	4.33E-01	4.00E+00	—	pCi/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.63	6.00E-01	6.10E+00	—	pCi/L	U	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.101	4.33E-01	4.20E+00	—	pCi/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.277	5.67E-01	5.60E+00	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.9	7.00E-01	4.60E+00	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.974	4.33E-01	4.50E+00	—	pCi/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.07	4.67E-01	4.90E+00	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.91	4.67E-01	5.10E+00	—	pCi/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.728	4.33E-01	4.10E+00	—	pCi/L	U	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1	4.33E-01	4.40E+00	—	pCi/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.661	4.33E-01	4.50E+00	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.656	4.00E-01	4.20E+00	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.98	5.67E-01	3.20E+00	—	pCi/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.0215	1.07E-01	1.50E+00	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.114	1.70E-01	2.60E+00	—	pCi/L	U	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.93	3.03E-01	2.50E+00	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.295	1.60E-01	1.90E+00	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	6.87	4.00E-01	2.90E+00	—	pCi/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.5	4.33E-01	3.00E+00	—	pCi/L	—	—	10-4270	CALA-10-24991	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.91	3.67E-01	2.10E+00	—	pCi/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6.41	3.67E-01	2.50E+00	—	pCi/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	114	1.97E+01	1.00E+02	—	pCi/L	—	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	60	3.20E+01	2.20E+02	—	pCi/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	6.15	9.00E-01	4.20E+00	—	pCi/L	—	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	144	1.70E+01	7.30E+01	—	pCi/L	—	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	158	1.53E+01	1.20E+02	—	pCi/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	65.4	9.00E+00	4.50E+01	—	pCi/L	—	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	83.5	1.97E+01	2.40E+02	—	pCi/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	15.5	3.67E+00	3.70E+01	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.05	3.13E+00	3.10E+01	—	pCi/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.67	6.67E-01	7.00E+00	—	pCi/L	U	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.29	3.67E+00	3.60E+01	—	pCi/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	43.1	5.33E+00	4.80E+01	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.3	3.33E+00	3.50E+01	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.3	3.30E+00	3.30E+01	—	pCi/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-6.49E-10	1.83E-03	4.10E-02	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00167	1.47E-03	3.10E-02	—	pCi/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00491	3.33E-03	2.20E-02	—	pCi/L	U	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	5.67E-04	2.30E-02	—	pCi/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00514	1.70E-03	4.10E-02	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00292	1.70E-03	4.40E-02	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00345	1.83E-03	3.20E-02	—	pCi/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00544	2.57E-03	4.80E-02	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00669	1.13E-03	3.60E-02	—	pCi/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00491	2.00E-03	3.60E-02	—	pCi/L	U	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00335	1.13E-03	2.40E-02	—	pCi/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00257	1.90E-03	5.00E-02	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00292	2.17E-03	5.20E-02	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	8.00E-04	3.70E-02	—	pCi/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	15.6	5.33E+00	5.90E+01	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	19.3	4.67E+00	3.90E+01	—	pCi/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.7	5.00E+00	5.00E+01	—	pCi/L	U	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	26.9	5.67E+00	5.90E+01	—	pCi/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-9.16	6.33E+00	6.40E+01	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0.0455	5.67E+00	5.70E+01	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	30.8	5.33E+00	5.40E+01	—	pCi/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.254	5.00E-01	4.80E+00	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.18	4.67E-01	4.80E+00	—	pCi/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.73	4.67E-01	3.80E+00	—	pCi/L	U	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.8	4.00E-01	3.70E+00	—	pCi/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.64	5.00E-01	4.90E+00	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.73	3.67E-01	2.80E+00	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.717	4.33E-01	4.00E+00	—	pCi/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.137	4.67E-02	4.90E-01	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0375	3.67E-02	4.10E-01	—	pCi/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00275	4.33E-02	4.60E-01	—	pCi/L	U	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.253	4.00E-02	3.70E-01	—	pCi/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.294	5.00E-02	4.80E-01	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.109	3.67E-02	4.80E-01	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.051	4.33E-02	4.80E-01	—	pCi/L	U	U	08-575	CALA-08-10317	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.271	1.40E-02	1.50E-01	—	pCi/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.393	1.17E-02	6.00E-02	—	pCi/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.143	8.67E-03	9.40E-02	—	pCi/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.229	1.03E-02	8.10E-02	—	pCi/L	—	—	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.215	1.20E-02	1.30E-01	—	pCi/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.291	1.43E-02	1.60E-01	—	pCi/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.37	1.07E-02	5.90E-02	—	pCi/L	—	—	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.025	5.67E-03	7.30E-02	—	pCi/L	U	U	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0293	3.17E-03	3.00E-02	—	pCi/L	U	U	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.012	2.33E-03	4.40E-02	—	pCi/L	U	U	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00717	2.40E-03	4.60E-02	—	pCi/L	U	U	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0204	5.00E-03	6.20E-02	—	pCi/L	U	U	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0214	3.67E-03	7.80E-02	—	pCi/L	U	U	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0163	1.93E-03	2.90E-02	—	pCi/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	01/09/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.316	1.50E-02	7.70E-02	—	pCi/L	—	—	09-598	CALA-09-1746	GELC
LADP-3	5411	316	01/24/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.401	1.17E-02	3.60E-02	—	pCi/L	—	—	08-575	CALA-08-10318	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.223	1.03E-02	5.70E-02	—	pCi/L	—	—	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.197	9.33E-03	5.30E-02	—	pCi/L	—	—	10-1172	CALA-10-9163	GELC
LADP-3	5411	316	07/15/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.293	1.27E-02	6.20E-02	—	pCi/L	—	—	09-2659	CALA-09-11129	GELC
LADP-3	5411	316	01/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.381	1.67E-02	8.20E-02	—	pCi/L	—	—	09-598	CALA-09-1747	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.342	1.03E-02	3.40E-02	—	pCi/L	—	—	08-575	CALA-08-10317	GELC
LADP-3	5411	316	08/20/10	WG	UF	CS	—	Svoa	SW-846:8270C	Benzoic Acid	—	17.5	—	—	6.00E+00	ug/L	J	J	10-4270	CALA-10-24991	GELC
LADP-3	5411	316	01/07/10	WG	UF	CS	—	Svoa	SW-846:8270C	Benzoic Acid	<	24.1	—	—	7.20E+00	ug/L	U	UJ	10-1171	CALA-10-9163	GELC
LADP-3	5411	316	01/24/08	WG	UF	CS	—	Svoa	SW-846:8270C	Benzoic Acid	<	22.7	—	—	6.80E+00	ug/L	U	U	08-575	CALA-08-10317	GELC
LADP-3	5411	316	04/26/07	WG	UF	CS	—	Svoa	SW-846:8270C	Benzoic Acid	<	25	—	—	7.50E+00	ug/L	U	UJ	185087	GU070400G3PD01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	47.7	—	—	7.30E-01	mg/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	38.9	—	—	7.30E-01	mg/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	46.8	—	—	7.30E-01	mg/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	01/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	43.1	—	—	7.30E-01	mg/L	—	—	09-630	CALA-09-1724	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	45.1	—	—	7.30E-01	mg/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	6.82	—	—	5.00E-02	mg/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	5.88	—	—	5.00E-02	mg/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	6.46	—	—	5.00E-02	mg/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.19	—	—	3.00E-02	mg/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	6.21	—	—	3.00E-02	mg/L	—	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.99	—	—	5.00E-02	mg/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	6.9	—	—	5.00E-02	mg/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	7.65	—	—	5.00E-02	mg/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.86	—	—	3.00E-02	mg/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	7.26	—	—	3.00E-02	mg/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.29	—	—	6.60E-02	mg/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.2	—	—	6.60E-02	mg/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.25	—	—	6.60E-02	mg/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	01/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.23	—	—	6.60E-02	mg/L	—	J+	09-630	CALA-09-1724	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.24	—	—	6.60E-02	mg/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.141	—	—	3.30E-02	mg/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.102	—	—	3.30E-02	mg/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.258	—	—	3.30E-02	mg/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	01/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.141	—	—	3.30E-02	mg/L	—	U	09-630	CALA-09-1724	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.146	—	—	3.30E-02	mg/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	23.3	—	—	3.50E-01	mg/L	—	—	10-4257	CALA-10-25216	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	21.8	—	—	3.50E-01	mg/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	22.3	—	—	3.50E-01	mg/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	27.6	—	—	3.50E-01	mg/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	22.6	—	—	4.25E-01	mg/L	—	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.6	—	—	3.50E-01	mg/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	25.6	—	—	3.50E-01	mg/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	26.6	—	—	3.50E-01	mg/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	30.6	—	—	3.50E-01	mg/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	27.2	—	—	4.25E-01	mg/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.53	—	—	8.50E-02	mg/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.73	—	—	8.50E-02	mg/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.5	—	—	8.50E-02	mg/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.74	—	—	8.50E-02	mg/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.72	—	—	8.50E-02	mg/L	—	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.47	—	—	8.50E-02	mg/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.02	—	—	8.50E-02	mg/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.81	—	—	8.50E-02	mg/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.05	—	—	8.50E-02	mg/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.21	—	—	8.50E-02	mg/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.35	—	—	5.00E-02	mg/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.494	—	—	5.00E-02	mg/L	—	J	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.109	—	—	1.00E-02	mg/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	01/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.367	—	—	5.00E-02	mg/L	—	—	09-630	CALA-09-1724	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.122	—	—	1.00E-02	mg/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.207	—	—	5.00E-02	ug/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.214	—	—	5.00E-02	ug/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.204	—	—	5.00E-02	ug/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	01/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.197	—	—	5.00E-02	ug/L	J	J	09-630	CALA-09-1724	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.195	—	—	5.00E-02	ug/L	J	J+	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.48	—	—	5.00E-02	mg/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.27	—	—	5.00E-02	mg/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.74	—	—	5.00E-02	mg/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.24	—	—	5.00E-02	mg/L	—	J	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.55	—	—	5.00E-02	mg/L	E	J	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.68	—	—	5.00E-02	mg/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.32	—	—	5.00E-02	mg/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.91	—	—	5.00E-02	mg/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.39	—	—	5.00E-02	mg/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.93	—	—	5.00E-02	mg/L	E	J	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.77	—	—	1.00E-01	mg/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.66	—	—	1.00E-01	mg/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.14	—	—	1.00E-01	mg/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.03	—	—	4.50E-02	mg/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.31	—	—	4.50E-02	mg/L	—	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.56	—	—	1.00E-01	mg/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.7	—	—	1.00E-01	mg/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.12	—	—	4.50E-02	mg/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.77	—	—	4.50E-02	mg/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	109	—	—	1.00E+00	uS/cm	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	85.7	—	—	1.00E+00	uS/cm	—	—	10-1252	CALA-10-9158	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	105	—	—	1.00E+00	uS/cm	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	01/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	98.4	—	—	1.00E+00	uS/cm	—	—	09-630	CALA-09-1724	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	104	—	—	1.00E+00	uS/cm	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.96	—	—	1.00E-01	mg/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.54	—	—	1.00E-01	mg/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.34	—	—	1.00E-01	mg/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	01/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.2	—	—	1.00E-01	mg/L	—	—	09-630	CALA-09-1724	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.12	—	—	1.00E-01	mg/L	—	J-	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	125	—	—	2.40E+00	mg/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	117	—	—	2.40E+00	mg/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	121	—	—	2.40E+00	mg/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	01/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	120	—	—	2.40E+00	mg/L	—	J	09-630	CALA-09-1724	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	119	—	—	2.40E+00	mg/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.612	—	—	3.30E-01	mg/L	J	J	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-1251	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	01/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-630	CALA-09-1725	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.564	—	—	3.30E-01	mg/L	J	J	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.61	—	—	1.00E-02	SU	H	J-	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7	—	—	1.00E-02	SU	H	J-	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.44	—	—	1.00E-02	SU	H	J-	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	01/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.1	—	—	1.00E-02	SU	H	J-	09-630	CALA-09-1724	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.18	—	—	1.00E-02	SU	H	J-	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	173	—	—	6.80E+01	ug/L	J	J	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	UN	UJ	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	2780	—	—	6.80E+01	ug/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1080	—	—	6.80E+01	ug/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1800	—	—	6.80E+01	ug/L	N	J+	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	766	—	—	6.80E+01	ug/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	2050	—	—	6.80E+01	ug/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.2	—	—	1.00E+00	ug/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	7.68	—	—	1.00E+00	ug/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	10.2	—	—	1.00E+00	ug/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.9	—	—	1.00E+00	ug/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	9.2	—	—	1.00E+00	ug/L	—	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.8	—	—	1.00E+00	ug/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	17.2	—	—	1.00E+00	ug/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.6	—	—	1.00E+00	ug/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20.4	—	—	1.00E+00	ug/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.4	—	—	1.00E+00	ug/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6010B	Beryllium	<	1	—	—	1.00E+00	ug/L	U	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.74	—	—	1.00E+00	ug/L	J	J	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.32	—	—	1.00E+00	ug/L	J	J	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.34	—	—	1.00E+00	ug/L	J	J	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	08-1834	CALA-08-13865	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	1	—	—	1.00E+00	ug/L	U	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	77.2	—	—	3.00E+01	ug/L	J	J	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	2.50E+01	ug/L	U	UJ	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	1280	—	—	3.00E+01	ug/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	450	—	—	3.00E+01	ug/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	754	—	—	3.00E+01	ug/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	293	—	—	2.50E+01	ug/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	743	—	—	2.50E+01	ug/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.516	—	—	5.00E-01	ug/L	J	J	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	7.95	—	—	5.00E-01	ug/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	4.86	—	—	5.00E-01	ug/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	2.73	—	—	5.00E-01	ug/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.5	—	—	5.00E-01	ug/L	J	J	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	2	—	—	5.00E-01	ug/L	J	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.6	—	—	2.00E+00	ug/L	J	J	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	19.4	—	—	2.00E+00	ug/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.22	—	—	2.00E+00	ug/L	J	J	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.07	—	—	2.00E+00	ug/L	J	J	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.4	—	—	2.00E+00	ug/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7	—	—	2.00E+00	ug/L	J	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2	—	—	1.00E-01	ug/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.06	—	—	1.00E-01	ug/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.88	—	—	1.00E-01	ug/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.7	—	—	1.00E-01	ug/L	—	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.32	—	—	1.00E-01	ug/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.92	—	—	1.00E-01	ug/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.94	—	—	1.00E-01	ug/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.5	—	—	1.00E-01	ug/L	—	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.97	—	—	5.00E-01	ug/L	J	J	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.5	—	—	5.00E-01	ug/L	U	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.983	—	—	5.00E-01	ug/L	J	J	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.881	—	—	5.00E-01	ug/L	J	J	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.675	—	—	5.00E-01	ug/L	J	J	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.9	—	—	5.00E-01	ug/L	J	J	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.52	—	—	5.00E-01	ug/L	J	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.2	—	—	5.30E-02	mg/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.1	—	—	5.30E-02	mg/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.7	—	—	5.30E-02	mg/L	—	—	09-2568	CALA-09-11127	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	5391	295.2	01/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.1	—	—	3.20E-02	mg/L	—	—	09-630	CALA-09-1724	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	3.20E-02	mg/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	104	—	—	1.00E+00	ug/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	40.9	—	—	1.00E+00	ug/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	70.6	—	—	1.00E+00	ug/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61.5	—	—	1.00E+00	ug/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1.00E+00	ug/L	—	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	124	—	—	1.00E+00	ug/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.1	—	—	1.00E+00	ug/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	85.6	—	—	1.00E+00	ug/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	67.2	—	—	1.00E+00	ug/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.7	—	—	1.00E+00	ug/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.348	—	—	5.00E-02	ug/L	—	—	10-4257	CALA-10-25216	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.232	—	—	5.00E-02	ug/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.36	—	—	5.00E-02	ug/L	—	—	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.27	—	—	5.00E-02	ug/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.18	—	—	5.00E-02	ug/L	J	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.7	—	—	5.00E-02	ug/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	5.00E-02	ug/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.21	—	—	5.00E-02	ug/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.61	—	—	5.00E-02	ug/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.76	—	—	5.00E-02	ug/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.16	—	—	1.00E+00	ug/L	J	J	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.68	—	—	1.00E+00	ug/L	J	J	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1	—	—	1.00E+00	ug/L	U	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.33	—	—	1.00E+00	ug/L	J	J	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.31	—	—	1.00E+00	ug/L	J	J	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.82	—	—	1.00E+00	ug/L	J	J	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	1	—	—	1.00E+00	ug/L	U	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.8	—	—	3.30E+00	ug/L	—	—	10-1252	CALA-10-9158	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.7	—	—	3.30E+00	ug/L	J	J	09-2568	CALA-09-11127	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	6.4	—	—	2.00E+00	ug/L	J	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.3	—	—	2.00E+00	ug/L	—	—	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	18.5	—	—	3.30E+00	ug/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.4	—	—	3.30E+00	ug/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20.3	—	—	3.30E+00	ug/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.8	—	—	2.00E+00	ug/L	—	J	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15.4	—	—	2.00E+00	ug/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00392	1.10E-03	3.20E-02	—	pCi/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0012	7.83E-04	3.88E-02	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00475	1.03E-03	4.10E-02	—	pCi/L	U	U	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000778	9.67E-04	3.20E-02	—	pCi/L	U	U	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00916	2.77E-03	3.60E-02	—	pCi/L	U	U	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000606	1.17E-03	3.10E-02	—	pCi/L	U	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0049	7.50E-04	4.39E-02	—	pCi/L	U	U	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	4.92	9.67E-01	4.70E+00	—	pCi/L	UI	R	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.702	5.27E-01	4.92E+00	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.693	4.33E-01	4.30E+00	—	pCi/L	U	U	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.225	4.67E-01	4.50E+00	—	pCi/L	U	U	10-1252	CALA-10-9157	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.877	5.33E-01	5.10E+00	—	pCi/L	U	U	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.499	4.67E-01	4.40E+00	—	pCi/L	U	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.773	3.40E-01	3.19E+00	—	pCi/L	U	U	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.277	4.67E-01	4.60E+00	—	pCi/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.52	5.63E-01	5.84E+00	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.82	4.67E-01	4.90E+00	—	pCi/L	U	U	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.89	4.33E-01	5.10E+00	—	pCi/L	U	U	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.16	5.33E-01	5.60E+00	—	pCi/L	U	U	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.953	4.67E-01	4.80E+00	—	pCi/L	U	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.39	3.73E-01	4.30E+00	—	pCi/L	U	U	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.578	1.35E-01	1.36E+00	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/04/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.34	6.10E-02	7.12E-01	—	pCi/L	U	U	168774	GF060700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	10.3	7.00E-01	2.60E+00	—	pCi/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	7.33	5.00E-01	2.10E+00	—	pCi/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.35	3.20E-01	1.63E+00	—	pCi/L	—	J	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/04/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.14	1.38E-01	8.55E-01	—	pCi/L	—	J	168774	GU060700G11L01	GELC
LAOI(a)-1.1	5391	295.2	05/07/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.04	1.26E-01	1.01E+00	—	pCi/L	—	J	136186	GU05050G11L01	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.7	3.21E-01	2.49E+00	—	pCi/L	—	J	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/04/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.05	1.69E-01	1.33E+00	—	pCi/L	—	—	168774	GF060700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	12.3	5.67E-01	2.80E+00	—	pCi/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	13.6	6.00E-01	2.40E+00	—	pCi/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.4	3.73E-01	2.35E+00	—	pCi/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/04/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.86	1.49E-01	1.06E+00	—	pCi/L	—	—	168774	GU060700G11L01	GELC
LAOI(a)-1.1	5391	295.2	05/07/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	9.67	2.85E-01	2.38E+00	—	pCi/L	—	J	136186	GU05050G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	20.4	5.67E+00	4.80E+01	—	pCi/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	83	4.10E+01	3.31E+02	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	85.8	8.00E+00	8.50E+01	—	pCi/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	77.9	1.67E+01	9.40E+01	—	pCi/L	U	U	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	197	3.27E+01	1.20E+02	—	pCi/L	—	U	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.28	3.67E+00	3.50E+01	—	pCi/L	U	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	66.6	2.06E+01	2.47E+02	—	pCi/L	U	U	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.38	3.30E+00	3.20E+01	—	pCi/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.06	2.40E+00	2.09E+01	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.79	9.67E-01	8.90E+00	—	pCi/L	U	U	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.4	4.67E+00	4.70E+01	—	pCi/L	U	U	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	47.9	5.33E+00	3.90E+01	—	pCi/L	UI	R	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.96	3.67E+00	3.30E+01	—	pCi/L	U	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.86	2.58E+00	2.60E+01	—	pCi/L	U	U	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0062	1.47E-03	4.70E-02	—	pCi/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00237	2.37E-03	4.55E-02	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0024	8.00E-04	2.10E-02	—	pCi/L	U	U	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.33E-04	2.70E-02	—	pCi/L	U	U	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00681	4.00E-03	3.60E-02	—	pCi/L	U	U	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0063	1.83E-03	4.80E-02	—	pCi/L	U	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00423	2.00E-03	4.06E-02	—	pCi/L	U	U	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0155	2.33E-03	5.30E-02	—	pCi/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.93E-03	4.17E-02	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0024	1.40E-03	3.50E-02	—	pCi/L	U	U	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00194	9.00E-04	2.70E-02	—	pCi/L	U	U	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00454	2.40E-03	4.40E-02	—	pCi/L	U	U	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00944	2.77E-03	5.40E-02	—	pCi/L	U	U	08-1834	CALA-08-13865	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.23E-03	3.73E-02	—	pCi/L	U	U	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	8.98	4.67E+00	4.90E+01	—	pCi/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.56	6.40E+00	5.68E+01	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-5.84	5.67E+00	5.60E+01	—	pCi/L	U	U	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.13	5.67E+00	5.30E+01	—	pCi/L	U	U	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	23.1	6.67E+00	7.10E+01	—	pCi/L	U	U	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	4.43	5.33E+00	5.40E+01	—	pCi/L	U	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.03	6.33E+00	2.80E+01	—	pCi/L	U	U	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.48	4.00E-01	3.50E+00	—	pCi/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.33	4.67E-01	4.89E+00	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.81	4.00E-01	3.60E+00	—	pCi/L	U	U	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.13	4.67E-01	4.40E+00	—	pCi/L	U	U	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.05	5.33E-01	4.90E+00	—	pCi/L	U	U	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.319	4.00E-01	4.20E+00	—	pCi/L	U	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.836	3.63E-01	3.36E+00	—	pCi/L	U	U	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0719	1.20E-02	1.20E-01	—	pCi/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.103	2.87E-02	2.98E-01	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.226	4.67E-02	4.50E-01	—	pCi/L	U	U	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0469	4.33E-02	4.50E-01	—	pCi/L	U	U	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0107	4.67E-02	5.00E-01	—	pCi/L	U	U	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0376	1.93E-02	2.00E-01	—	pCi/L	U	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.376	2.41E-02	3.79E-01	—	pCi/L	U	U	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.123	6.33E-03	7.40E-02	—	pCi/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0766	4.87E-03	2.82E-02	—	pCi/L	—	J	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.412	1.50E-02	7.90E-02	—	pCi/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.397	1.50E-02	8.20E-02	—	pCi/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.4	1.47E-02	1.10E-01	—	pCi/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.208	8.33E-03	7.60E-02	—	pCi/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.195	8.07E-03	2.97E-02	—	pCi/L	—	—	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	-1.27E-09	2.20E-03	4.00E-02	—	pCi/L	U	U	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00499	1.18E-03	2.38E-02	—	pCi/L	U	U	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0336	3.67E-03	3.70E-02	—	pCi/L	U	U	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0684	5.67E-03	4.60E-02	—	pCi/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0245	3.13E-03	5.30E-02	—	pCi/L	U	U	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0137	2.77E-03	4.10E-02	—	pCi/L	U	U	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00262	1.96E-03	2.50E-02	—	pCi/L	U	U	190642	GU070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0562	4.33E-03	3.90E-02	—	pCi/L	—	—	08-1834	CALA-08-13866	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0807	4.80E-03	3.80E-02	—	pCi/L	—	J	190642	GF070700G11L01	GELC
LAOI(a)-1.1	5391	295.2	08/19/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.467	1.63E-02	4.80E-02	—	pCi/L	—	—	10-4257	CALA-10-25215	GELC
LAOI(a)-1.1	5391	295.2	01/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.46	1.67E-02	5.40E-02	—	pCi/L	—	—	10-1252	CALA-10-9157	GELC
LAOI(a)-1.1	5391	295.2	07/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.451	1.63E-02	5.40E-02	—	pCi/L	—	—	09-2568	CALA-09-11125	GELC
LAOI(a)-1.1	5391	295.2	09/03/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.208	8.67E-03	4.00E-02	—	pCi/L	—	—	08-1834	CALA-08-13865	GELC
LAOI(a)-1.1	5391	295.2	07/31/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.236	8.97E-03	4.00E-02	—	pCi/L	—	—	190642	GU070700G11L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.5	—	—	7.30E-01	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.7	—	—	7.30E-01	mg/L	—	—	10-1185	CALA-10-9175	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	82.2	—	—	7.30E-01	mg/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.3	—	—	7.30E-01	mg/L	—	—	09-611	CALA-09-1733	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.3	—	—	7.30E-01	mg/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.082	—	—	1.60E-02	mg/L	—	J-	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.098	—	—	1.60E-02	mg/L	—	U	10-1185	CALA-10-9175	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.034	—	—	1.60E-02	mg/L	J	J	09-2582	CALA-09-11147	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-611	CALA-09-1733	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	5.00E-02	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.3	—	—	5.00E-02	mg/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.3	—	—	3.00E-02	mg/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	3.00E-02	mg/L	—	—	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.2	—	—	3.00E-02	mg/L	—	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.6	—	—	5.00E-02	mg/L	—	—	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	3.00E-02	mg/L	—	—	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.3	—	—	3.00E-02	mg/L	—	—	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	3.00E-02	mg/L	—	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	14.2	—	—	6.60E-02	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	13.1	—	—	6.60E-02	mg/L	—	—	10-1185	CALA-10-9175	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	14.9	—	—	6.60E-02	mg/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	18.2	—	—	6.60E-02	mg/L	—	J+	09-611	CALA-09-1733	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.4	—	—	1.30E-01	mg/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.138	—	—	3.30E-02	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.282	—	—	3.30E-02	mg/L	—	—	10-1185	CALA-10-9175	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.247	—	—	3.30E-02	mg/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.133	—	—	3.30E-02	mg/L	—	—	09-611	CALA-09-1733	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.154	—	—	3.30E-02	mg/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64	—	—	3.50E-01	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	72	—	—	3.50E-01	mg/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	76	—	—	3.50E-01	mg/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82	—	—	4.30E-01	mg/L	—	—	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77.3	—	—	4.25E-01	mg/L	—	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.6	—	—	3.50E-01	mg/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	69.1	—	—	3.50E-01	mg/L	—	—	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	76.2	—	—	3.50E-01	mg/L	—	—	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.7	—	—	4.30E-01	mg/L	—	—	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.7	—	—	4.25E-01	mg/L	—	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.72	—	—	8.50E-02	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.19	—	—	8.50E-02	mg/L	—	J	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.51	—	—	8.50E-02	mg/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.92	—	—	8.50E-02	mg/L	—	—	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.31	—	—	8.50E-02	mg/L	—	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.85	—	—	8.50E-02	mg/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.91	—	—	8.50E-02	mg/L	—	J	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.52	—	—	8.50E-02	mg/L	—	—	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.96	—	—	8.50E-02	mg/L	—	—	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.41	—	—	8.50E-02	mg/L	—	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.12	—	—	5.00E-02	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.96	—	—	5.00E-02	mg/L	—	—	10-1185	CALA-10-9175	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.18	—	—	5.00E-02	mg/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.39	—	—	1.00E-01	mg/L	—	—	09-611	CALA-09-1733	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.03	—	—	5.00E-02	mg/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	4.61	—	—	5.00E-01	ug/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	3.89	—	—	5.00E-01	ug/L	—	—	10-1185	CALA-10-9175	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	4.45	—	—	2.50E-01	ug/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	4.62	—	—	5.00E-01	ug/L	—	—	09-611	CALA-09-1733	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6	—	—	5.00E-01	ug/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.64	—	—	5.00E-02	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.29	—	—	5.00E-02	mg/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.75	—	—	5.00E-02	mg/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.22	—	—	5.00E-02	mg/L	—	—	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.67	—	—	5.00E-02	mg/L	—	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.91	—	—	5.00E-02	mg/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.03	—	—	5.00E-02	mg/L	—	—	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.8	—	—	5.00E-02	mg/L	—	—	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.24	—	—	5.00E-02	mg/L	—	—	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.83	—	—	5.00E-02	mg/L	—	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	20.8	—	—	1.00E-01	mg/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.9	—	—	4.50E-02	mg/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.3	—	—	4.50E-02	mg/L	—	—	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.6	—	—	4.50E-02	mg/L	—	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	1.00E-01	mg/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.8	—	—	1.00E-01	mg/L	—	—	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	4.50E-02	mg/L	—	—	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.3	—	—	4.50E-02	mg/L	—	—	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	4.50E-02	mg/L	—	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	229	—	—	1.00E+00	uS/cm	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	218	—	—	1.00E+00	uS/cm	—	—	10-1185	CALA-10-9175	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	230	—	—	1.00E+00	uS/cm	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	246	—	—	1.00E+00	uS/cm	—	—	09-611	CALA-09-1733	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	250	—	—	1.00E+00	uS/cm	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.66	—	—	1.00E-01	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.72	—	—	1.00E-01	mg/L	—	—	10-1185	CALA-10-9175	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.99	—	—	1.00E-01	mg/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.62	—	—	1.00E-01	mg/L	—	—	09-611	CALA-09-1733	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.18	—	—	1.00E-01	mg/L	—	J-	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	211	—	—	2.40E+00	mg/L	—	J	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	183	—	—	2.40E+00	mg/L	—	—	10-1185	CALA-10-9175	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	186	—	—	2.40E+00	mg/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	194	—	—	2.40E+00	mg/L	—	—	09-611	CALA-09-1733	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	212	—	—	2.40E+00	mg/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.692	—	—	3.30E-01	mg/L	J	J	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.26	—	—	3.30E-01	mg/L	—	—	10-1184	CALA-10-9174	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.336	—	—	3.30E-01	mg/L	J	J	09-2581	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.582	—	—	3.30E-01	mg/L	J	J	09-611	CALA-09-1732	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.085	—	—	1.50E-02	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.067	—	—	1.50E-02	mg/L	—	U	10-1185	CALA-10-9175	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.071	—	—	1.50E-02	mg/L	—	U	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.049	—	—	2.40E-02	mg/L	J	U	09-611	CALA-09-1733	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.033	—	—	2.40E-02	mg/L	J	J	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.11	—	—	1.00E-02	SU	H	J-	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.12	—	—	1.00E-02	SU	H	J-	10-1185	CALA-10-9175	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.02	—	—	1.00E-02	SU	H	J-	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.2	—	—	1.00E-02	SU	H	J-	09-611	CALA-09-1733	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.97	—	—	1.00E-02	SU	H	J-	08-1810	CALA-08-13887	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	222	—	—	6.80E+01	ug/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44.9	—	—	1.00E+00	ug/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	49.3	—	—	1.00E+00	ug/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44	—	—	1.00E+00	ug/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.4	—	—	1.00E+00	ug/L	—	—	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	49.1	—	—	1.00E+00	ug/L	—	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.5	—	—	1.00E+00	ug/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.6	—	—	1.00E+00	ug/L	—	—	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.5	—	—	1.00E+00	ug/L	—	—	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.8	—	—	1.00E+00	ug/L	—	—	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	51.1	—	—	1.00E+00	ug/L	—	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16	—	—	1.50E+01	ug/L	J	J	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.1	—	—	1.50E+01	ug/L	J	J	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	10.9	—	—	1.00E+01	ug/L	J	J	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	16.2	—	—	1.00E+01	ug/L	J	U	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	11.3	—	—	1.00E+01	ug/L	J	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.3	—	—	1.50E+01	ug/L	J	J	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	ug/L	J	J	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	ug/L	U	U	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	16.3	—	—	1.00E+01	ug/L	J	U	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	11.4	—	—	1.00E+01	ug/L	J	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.02	—	—	2.00E+00	ug/L	J	J	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	10.4	—	—	2.00E+00	ug/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.3	—	—	2.00E+00	ug/L	J	J	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	12.4	—	—	2.00E+00	ug/L	—	—	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	11.2	—	—	2.00E+00	ug/L	—	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.77	—	—	2.00E+00	ug/L	J	J	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	9.72	—	—	2.00E+00	ug/L	J	J	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.2	—	—	2.00E+00	ug/L	J	J	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	15	—	—	2.00E+00	ug/L	—	—	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	17.4	—	—	2.00E+00	ug/L	—	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.486	—	—	1.00E-01	ug/L	J	J	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.777	—	—	1.00E-01	ug/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.78	—	—	1.00E-01	ug/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	10	—	—	2.00E+00	ug/L	U	U	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.488	—	—	1.00E-01	ug/L	J	J	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.744	—	—	1.00E-01	ug/L	—	—	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.68	—	—	1.00E-01	ug/L	—	—	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	10	—	—	2.00E+00	ug/L	U	U	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	2.9	—	—	2.00E+00	ug/L	J	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.6	—	—	5.30E-02	mg/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	5.30E-02	mg/L	—	—	10-1185	CALA-10-9175	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.8	—	—	5.30E-02	mg/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.9	—	—	3.20E-02	mg/L	—	—	09-611	CALA-09-1733	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	3.20E-02	mg/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	98.1	—	—	1.00E+00	ug/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	115	—	—	1.00E+00	ug/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	113	—	—	1.00E+00	ug/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	127	—	—	1.00E+00	ug/L	—	—	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	133	—	—	1.00E+00	ug/L	—	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99.9	—	—	1.00E+00	ug/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	113	—	—	1.00E+00	ug/L	—	—	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	128	—	—	1.00E+00	ug/L	—	—	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	135	—	—	1.00E+00	ug/L	—	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.21	—	—	5.00E-02	ug/L	—	—	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.42	—	—	5.00E-02	ug/L	—	—	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.44	—	—	5.00E-02	ug/L	—	—	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.25	—	—	3.30E+00	ug/L	J	J	10-4312	CALA-10-25219	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.07	—	—	3.30E+00	ug/L	J	J	09-2582	CALA-09-11147	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.6	—	—	2.00E+00	ug/L	J	J	08-1810	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	6.4	—	—	2.00E+00	ug/L	J*	U	08-512	CALA-08-9883	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.5	—	—	2.00E+00	ug/L	J	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.51	—	—	3.30E+00	ug/L	J	J	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.19	—	—	3.30E+00	ug/L	J	J	09-2582	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.3	—	—	2.00E+00	ug/L	J	J	08-1810	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	01/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10.6	—	—	2.00E+00	ug/L	*	U	08-512	CALA-08-9882	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	2.6	—	—	2.00E+00	ug/L	J	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00114	1.43E-03	2.60E-02	—	pCi/L	U	U	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0152	2.07E-03	4.86E-02	—	pCi/L	U	U	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00237	8.70E-04	2.85E-02	—	pCi/L	U	U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0137	1.63E-03	3.50E-02	—	pCi/L	U	U	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0175	2.43E-03	3.50E-02	—	pCi/L	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00603	1.50E-03	3.60E-02	—	pCi/L	U	U	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00514	9.50E-04	3.93E-02	—	pCi/L	U	U	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00378	9.73E-04	2.53E-02	—	pCi/L	U	U	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.718	4.67E-01	4.80E+00	—	pCi/L	U	U	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.71	3.97E-01	4.44E+00	—	pCi/L	U	U	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.84	3.67E-01	4.28E+00	—	pCi/L	U	U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.45	6.33E-01	6.90E+00	—	pCi/L	U	U	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.627	5.67E-01	5.50E+00	—	pCi/L	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.78	7.00E-01	3.50E+00	—	pCi/L	U	U	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.681	4.70E-01	4.18E+00	—	pCi/L	U	U	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.14	3.47E-01	3.58E+00	—	pCi/L	U	U	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.73	4.33E-01	4.80E+00	—	pCi/L	U	U	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.17	4.20E-01	4.70E+00	—	pCi/L	U	U	190355	GF070700G32L01	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.56	3.60E-01	4.20E+00	—	pCi/L	U	U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.583	4.67E-01	4.80E+00	—	pCi/L	U	U	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.371	5.67E-01	5.40E+00	—	pCi/L	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.17	3.67E-01	3.30E+00	—	pCi/L	U	U	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.88	4.30E-01	3.55E+00	—	pCi/L	U	U	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.71	3.63E-01	3.45E+00	—	pCi/L	U	U	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.577	1.49E-01	1.53E+00	—	pCi/L	U	U	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.35	1.59E-01	1.49E+00	—	pCi/L	U	J-, U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.443	2.23E-01	2.70E+00	—	pCi/L	U	U	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.82	3.17E-01	2.30E+00	—	pCi/L	—	—	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.3	1.52E-01	1.09E+00	—	pCi/L	—	J	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.09	2.96E-01	2.47E+00	—	pCi/L	U	U, J-	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	04/19/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.01	2.27E-01	1.58E+00	—	pCi/L	—	J, J-	161220	GU06040G32L01	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	7.11	4.47E-01	3.24E+00	—	pCi/L	—	J	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.72	2.21E-01	1.91E+00	—	pCi/L	—	J	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.7	4.33E-01	2.40E+00	—	pCi/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	8.32	4.00E-01	2.70E+00	—	pCi/L	—	—	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.38	4.43E-01	3.08E+00	—	pCi/L	—	J	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.91	2.70E-01	2.13E+00	—	pCi/L	—	J	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	04/19/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.29	3.40E-01	3.32E+00	—	pCi/L	—	J	161220	GU06040G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	10.3	4.33E+00	2.70E+01	—	pCi/L	U	U	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	76.1	2.91E+01	3.34E+02	—	pCi/L	U	U	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	68	2.57E+01	2.37E+02	—	pCi/L	U	U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	60.4	5.33E+00	6.20E+01	—	pCi/L	U	U	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	112	1.37E+01	8.70E+01	—	pCi/L	—	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	14.3	3.27E+00	1.80E+01	—	pCi/L	U	U	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	55.9	1.70E+01	1.47E+02	—	pCi/L	U	U	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	81.8	2.26E+01	3.26E+02	—	pCi/L	U	U	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.8	4.00E+00	3.50E+01	—	pCi/L	U	U	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-14.9	3.57E+00	2.86E+01	—	pCi/L	U	U	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.11	2.77E+00	2.70E+01	—	pCi/L	U	U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.49	7.00E-01	7.30E+00	—	pCi/L	U	U	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.13	4.00E+00	4.00E+01	—	pCi/L	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.88	3.07E+00	3.00E+01	—	pCi/L	U	U	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.9	4.40E+00	3.17E+01	—	pCi/L	U	U	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16.8	3.43E+00	3.01E+01	—	pCi/L	U	U	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00307	1.43E-03	4.60E-02	—	pCi/L	U	U	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00787	2.94E-03	3.78E-02	—	pCi/L	U	U	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.63E-04	1.91E-02	—	pCi/L	U	U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.03E-03	1.90E-02	—	pCi/L	U	U	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.10E-03	3.70E-02	—	pCi/L	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00816	1.67E-03	3.10E-02	—	pCi/L	U	U	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0102	2.42E-03	4.91E-02	—	pCi/L	U	U	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.08E-03	2.19E-02	—	pCi/L	U	U	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.43E-03	5.30E-02	—	pCi/L	U	U	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	9.27E-04	3.47E-02	—	pCi/L	U	U	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00597	1.15E-03	2.23E-02	—	pCi/L	U	U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00647	1.60E-03	3.10E-02	—	pCi/L	U	U	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0116	2.30E-03	4.50E-02	—	pCi/L	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00204	6.67E-04	3.50E-02	—	pCi/L	U	U	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00512	1.48E-03	4.51E-02	—	pCi/L	U	U	190355	GU070700G32L01	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00685	1.32E-03	2.56E-02	—	pCi/L	U	U	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	1.01	5.67E+00	5.70E+01	—	pCi/L	U	U	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	44.5	5.83E+00	3.99E+01	—	pCi/L	UI	R	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	1.46	6.53E+00	3.70E+01	—	pCi/L	U	U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.28	5.00E+00	5.60E+01	—	pCi/L	U	U	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-5.55	6.33E+00	6.50E+01	—	pCi/L	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-9.7	5.33E+00	5.00E+01	—	pCi/L	U	U	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.8	6.70E+00	4.62E+01	—	pCi/L	U	U	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.93	6.33E+00	4.27E+01	—	pCi/L	U	U	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.59	4.33E-01	3.90E+00	—	pCi/L	U	U	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.887	5.47E-01	4.34E+00	—	pCi/L	U	U	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.74	2.99E-01	2.74E+00	—	pCi/L	U	U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.884	4.67E-01	4.80E+00	—	pCi/L	U	U	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.943	4.33E-01	3.80E+00	—	pCi/L	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.21	3.67E-01	3.10E+00	—	pCi/L	U	U	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.5	5.30E-01	4.49E+00	—	pCi/L	U	U	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.101	3.67E-01	4.08E+00	—	pCi/L	U	U	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.171	4.33E-02	4.90E-01	—	pCi/L	U	U	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0984	2.79E-02	2.90E-01	—	pCi/L	U	U	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.127	2.53E-02	2.97E-01	—	pCi/L	U	U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0965	4.67E-02	4.90E-01	—	pCi/L	U	U	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.362	4.33E-02	4.10E-01	—	pCi/L	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.269	5.00E-02	4.80E-01	—	pCi/L	U	U	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.149	3.53E-02	4.28E-01	—	pCi/L	U	U	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0148	2.50E-02	3.16E-01	—	pCi/L	U	U	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1330	5.00E+01	1.20E+02	—	pCi/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	01/08/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1940	7.00E+01	1.60E+02	—	pCi/L	—	—	10-1185	CALA-10-9174	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1830	6.33E+01	1.60E+02	—	pCi/L	—	—	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	01/12/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	2580	9.00E+01	1.50E+02	—	pCi/L	—	—	09-611	CALA-09-1732	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3100.889	6.07E+01	1.90E+02	—	pCi/L	—	—	08-1841	CALA-08-13888	ARSL
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.462	1.87E-02	1.40E-01	—	pCi/L	—	J+	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.622	1.77E-02	3.27E-02	—	pCi/L	—	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.1	2.93E-02	6.20E-02	—	pCi/L	—	—	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.488	1.50E-02	5.00E-02	—	pCi/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.518	1.77E-02	1.10E-01	—	pCi/L	—	—	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.605	1.63E-02	6.50E-02	—	pCi/L	—	—	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.632	1.88E-02	3.69E-02	—	pCi/L	—	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.929	2.74E-02	7.02E-02	—	pCi/L	—	—	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0102	4.67E-03	7.60E-02	—	pCi/L	U	U	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0347	4.13E-03	2.76E-02	—	pCi/L	—	J	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0478	5.70E-03	5.23E-02	—	pCi/L	U	U	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.03	2.77E-03	2.40E-02	—	pCi/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0339	4.33E-03	5.10E-02	—	pCi/L	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0211	2.63E-03	3.50E-02	—	pCi/L	U	U	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0163	3.93E-03	3.11E-02	—	pCi/L	U	U	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0416	6.27E-03	5.93E-02	—	pCi/L	U	U	167998	GU060700G32L01	GELC
LAOI-3.2	6001	153.3	08/28/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.458	1.80E-02	7.40E-02	—	pCi/L	—	J+	08-1809	CALA-08-13887	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.495	1.50E-02	4.40E-02	—	pCi/L	—	—	190355	GF070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.773	2.24E-02	6.59E-02	—	pCi/L	—	—	167998	GF060700G32L01	GELC
LAOI-3.2	6001	153.3	08/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.414	1.30E-02	3.00E-02	—	pCi/L	—	—	10-4312	CALA-10-25220	GELC
LAOI-3.2	6001	153.3	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.483	1.67E-02	5.20E-02	—	pCi/L	—	—	09-2583	CALA-09-11149	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	6001	153.3	08/28/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.44	1.27E-02	3.40E-02	—	pCi/L	—	—	08-1809	CALA-08-13888	GELC
LAOI-3.2	6001	153.3	07/26/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.5	1.61E-02	4.96E-02	—	pCi/L	—	—	190355	GU070700G32L01	GELC
LAOI-3.2	6001	153.3	07/25/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.801	2.40E-02	7.47E-02	—	pCi/L	—	—	167998	GU060700G32L01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.5	—	—	7.30E-01	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.8	—	—	7.30E-01	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77	—	—	7.30E-01	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.1	—	—	7.30E-01	mg/L	—	—	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.1	—	—	7.30E-01	mg/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.407	—	—	6.60E-02	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.343	—	—	6.60E-02	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.318	—	—	6.60E-02	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.306	—	—	6.70E-02	mg/L	—	—	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.24	—	—	6.70E-02	mg/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.6	—	—	5.00E-02	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.5	—	—	5.00E-02	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.5	—	—	5.00E-02	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	3.00E-02	mg/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	3.00E-02	mg/L	—	—	08-568	CALA-08-9868	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.6	—	—	5.00E-02	mg/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.2	—	—	5.00E-02	mg/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.8	—	—	5.00E-02	mg/L	—	—	09-2582	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.3	—	—	3.00E-02	mg/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	3.00E-02	mg/L	—	—	08-568	CALA-08-9869	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.2	—	—	3.30E-01	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	20.9	—	—	3.30E-01	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	20.4	—	—	1.30E-01	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	21.8	—	—	1.30E-01	mg/L	—	J+	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	21.2	—	—	1.30E-01	mg/L	—	J-	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.0951	—	—	3.30E-02	mg/L	J	J	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.227	—	—	3.30E-02	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.189	—	—	3.30E-02	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.122	—	—	3.30E-02	mg/L	—	—	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.147	—	—	3.30E-02	mg/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.5	—	—	3.50E-01	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.1	—	—	3.50E-01	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.1	—	—	3.50E-01	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	74.8	—	—	3.50E-01	mg/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.4	—	—	4.30E-01	mg/L	—	—	08-568	CALA-08-9868	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.6	—	—	3.50E-01	mg/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85.2	—	—	3.50E-01	mg/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	80.9	—	—	3.50E-01	mg/L	—	—	09-2582	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.7	—	—	3.50E-01	mg/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	75.7	—	—	4.30E-01	mg/L	—	—	08-568	CALA-08-9869	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.34	—	—	8.50E-02	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.31	—	—	8.50E-02	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.35	—	—	8.50E-02	mg/L	—	J	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.75	—	—	8.50E-02	mg/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.71	—	—	8.50E-02	mg/L	—	—	08-568	CALA-08-9868	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.02	—	—	8.50E-02	mg/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.43	—	—	8.50E-02	mg/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.22	—	—	8.50E-02	mg/L	—	J	09-2582	CALA-09-11150	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.97	—	—	8.50E-02	mg/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.7	—	—	8.50E-02	mg/L	—	—	08-568	CALA-08-9869	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.78	—	—	1.00E-01	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.85	—	—	5.00E-02	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.75	—	—	5.00E-02	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.88	—	—	1.00E-01	mg/L	—	—	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.18	—	—	5.00E-02	mg/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.84	—	—	2.50E-01	ug/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.96	—	—	2.50E-01	ug/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.85	—	—	2.50E-01	ug/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	3.01	—	—	2.50E-01	ug/L	—	—	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	3.29	—	—	2.50E-01	ug/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.5	—	—	5.00E-02	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.2	—	—	5.00E-02	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.6	—	—	5.00E-02	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.28	—	—	5.00E-02	mg/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.72	—	—	5.00E-02	mg/L	—	—	08-568	CALA-08-9868	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.1	—	—	5.00E-02	mg/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.5	—	—	5.00E-02	mg/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.3	—	—	5.00E-02	mg/L	—	—	09-2582	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.97	—	—	5.00E-02	mg/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.76	—	—	5.00E-02	mg/L	—	—	08-568	CALA-08-9869	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	1.00E-01	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	1.00E-01	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	4.50E-02	mg/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	4.50E-02	mg/L	—	—	08-568	CALA-08-9868	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.4	—	—	1.00E-01	mg/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	1.00E-01	mg/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	09-2582	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.1	—	—	4.50E-02	mg/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.6	—	—	4.50E-02	mg/L	—	—	08-568	CALA-08-9869	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	269	—	—	1.00E+00	uS/cm	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	255	—	—	1.00E+00	uS/cm	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	258	—	—	1.00E+00	uS/cm	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	260	—	—	1.00E+00	uS/cm	—	—	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	269	—	—	1.00E+00	uS/cm	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.97	—	—	1.00E-01	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.92	—	—	1.00E-01	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.97	—	—	1.00E-01	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.88	—	—	1.00E-01	mg/L	—	—	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.59	—	—	1.00E-01	mg/L	—	J-	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	212	—	—	2.40E+00	mg/L	—	J	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	202	—	—	2.40E+00	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	208	—	—	2.40E+00	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	193	—	—	2.40E+00	mg/L	—	—	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	214	—	—	2.40E+00	mg/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.84	—	—	3.30E-01	mg/L	J	J	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.2	—	—	3.30E-01	mg/L	—	—	10-1184	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.348	—	—	3.30E-01	mg/L	J	J	09-2581	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.685	—	—	3.30E-01	mg/L	J	J	09-611	CALA-09-1737	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.05	—	—	3.30E-01	mg/L	—	—	08-1854	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.077	—	—	1.50E-02	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.071	—	—	1.50E-02	mg/L	—	U	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.076	—	—	1.50E-02	mg/L	—	U	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.028	—	—	2.40E-02	mg/L	J	U	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.028	—	—	2.40E-02	mg/L	J	J	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.13	—	—	1.00E-02	SU	H	J-	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.91	—	—	1.00E-02	SU	H	J-	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.05	—	—	1.00E-02	SU	H	J-	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.04	—	—	1.00E-02	SU	H	J-	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.6	—	—	1.00E+00	ug/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.5	—	—	1.00E+00	ug/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.4	—	—	1.00E+00	ug/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.7	—	—	1.00E+00	ug/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	17.2	—	—	1.00E+00	ug/L	—	—	08-568	CALA-08-9868	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.1	—	—	1.00E+00	ug/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19	—	—	1.00E+00	ug/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	17.9	—	—	1.00E+00	ug/L	—	—	09-2582	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.8	—	—	1.00E+00	ug/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	17.4	—	—	1.00E+00	ug/L	—	—	08-568	CALA-08-9869	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.7	—	—	1.50E+01	ug/L	J	J	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20	—	—	1.00E+01	ug/L	J	J	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	14.7	—	—	1.00E+01	ug/L	J	J	08-568	CALA-08-9868	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.4	—	—	1.50E+01	ug/L	J	J	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2582	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	13.6	—	—	1.00E+01	ug/L	J	J	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	14.4	—	—	1.00E+01	ug/L	J	J	08-568	CALA-08-9869	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.05	—	—	2.50E+00	ug/L	J	J	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.06	—	—	2.50E+00	ug/L	J	J	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.2	—	—	1.50E+00	ug/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.6	—	—	2.50E+00	ug/L	J	J	08-568	CALA-08-9868	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.46	—	—	2.50E+00	ug/L	J	J	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.33	—	—	2.50E+00	ug/L	J	J	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.71	—	—	2.50E+00	ug/L	J	J	09-2582	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.2	—	—	1.50E+00	ug/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3	—	—	2.50E+00	ug/L	J	J	08-568	CALA-08-9869	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.785	—	—	5.00E-01	ug/L	J	J	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.852	—	—	5.00E-01	ug/L	J	J	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.749	—	—	5.00E-01	ug/L	J	J	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.2	—	—	5.00E-01	ug/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.88	—	—	5.00E-01	ug/L	J	J	08-568	CALA-08-9868	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.676	—	—	5.00E-01	ug/L	J	J	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.947	—	—	5.00E-01	ug/L	J	J	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.801	—	—	5.00E-01	ug/L	J	J	09-2582	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.8	—	—	5.00E-01	ug/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.88	—	—	5.00E-01	ug/L	J	J	08-568	CALA-08-9869	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.9	—	—	5.30E-02	mg/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.9	—	—	5.30E-02	mg/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.7	—	—	5.30E-02	mg/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70	—	—	3.20E-02	mg/L	—	—	09-611	CALA-09-1736	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.2	—	—	3.20E-02	mg/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	159	—	—	1.00E+00	ug/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	153	—	—	1.00E+00	ug/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	159	—	—	1.00E+00	ug/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	ug/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	141	—	—	1.00E+00	ug/L	—	—	08-568	CALA-08-9868	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	152	—	—	1.00E+00	ug/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	154	—	—	1.00E+00	ug/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	153	—	—	1.00E+00	ug/L	—	—	09-2582	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	143	—	—	1.00E+00	ug/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	141	—	—	1.00E+00	ug/L	—	—	08-568	CALA-08-9869	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.95	—	—	5.00E-02	ug/L	—	—	10-4278	CALA-10-25222	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.84	—	—	5.00E-02	ug/L	—	—	10-1185	CALA-10-9172	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.69	—	—	5.00E-02	ug/L	—	—	09-2582	CALA-09-11152	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	08-568	CALA-08-9868	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.89	—	—	5.00E-02	ug/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.86	—	—	5.00E-02	ug/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.73	—	—	5.00E-02	ug/L	—	—	09-2582	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.8	—	—	5.00E-02	ug/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	01/23/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	08-568	CALA-08-9869	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00538	1.63E-03	3.20E-02	—	pCi/L	U	U	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00335	8.97E-04	3.71E-02	—	pCi/L	U	U	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00701	1.17E-03	3.50E-02	—	pCi/L	U	U	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000673	6.00E-04	2.70E-02	—	pCi/L	U	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00741	1.90E-03	3.50E-02	—	pCi/L	U	U	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000494	2.07E-03	4.10E-02	—	pCi/L	U	U	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000643	9.90E-04	3.81E-02	—	pCi/L	U	U	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.048	4.67E-01	4.60E+00	—	pCi/L	U	U	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.76	5.37E-01	4.56E+00	—	pCi/L	U	U	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.527	3.30E-01	3.20E+00	—	pCi/L	U	U	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.49	4.33E-01	4.40E+00	—	pCi/L	U	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.05	4.67E-01	4.40E+00	—	pCi/L	U	U	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.03	4.67E-01	4.30E+00	—	pCi/L	U	U	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.898	4.20E-01	4.14E+00	—	pCi/L	U	U	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.402	4.67E-01	4.70E+00	—	pCi/L	U	U	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.348	4.57E-01	4.48E+00	—	pCi/L	U	U	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.156	4.00E-01	3.90E+00	—	pCi/L	U	U	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.8	4.67E-01	4.90E+00	—	pCi/L	U	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.52	5.00E-01	5.40E+00	—	pCi/L	U	U	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.51	5.00E-01	5.70E+00	—	pCi/L	U	U	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.61	4.30E-01	4.56E+00	—	pCi/L	U	U	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.29	1.88E-01	1.59E+00	—	pCi/L	U	U	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	04/25/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.255	2.14E-01	2.51E+00	—	pCi/L	U	U	185012	GF07040GI32A01	GELC
LAOI-3.2a	7691	181.4	02/16/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	2.31	2.94E-01	2.43E+00	—	pCi/L	U	U	180976	GF07020GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.53	3.33E-01	2.40E+00	—	pCi/L	—	U	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.75	2.93E-01	2.10E+00	—	pCi/L	—	—	09-2583	CALA-09-11150	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.89	2.21E-01	1.72E+00	—	pCi/L	—	J	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	04/25/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.39	3.01E-01	2.26E+00	—	pCi/L	—	J	185012	GU07040GI32A01	GELC
LAOI-3.2a	7691	181.4	02/16/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.7	2.37E-01	1.89E+00	—	pCi/L	U	U	180976	GU07020GI32A01	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	9.98	4.87E-01	3.20E+00	—	pCi/L	—	—	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	04/25/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	9.3	4.07E-01	2.99E+00	—	pCi/L	—	—	185012	GF07040GI32A01	GELC
LAOI-3.2a	7691	181.4	02/16/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	9.89	4.13E-01	3.03E+00	—	pCi/L	—	—	180976	GF07020GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	9.63	5.00E-01	2.80E+00	—	pCi/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	10.9	5.33E-01	2.60E+00	—	pCi/L	—	—	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	10	5.00E-01	3.29E+00	—	pCi/L	—	—	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	04/25/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	10.5	4.00E-01	2.79E+00	—	pCi/L	—	—	185012	GU07040GI32A01	GELC
LAOI-3.2a	7691	181.4	02/16/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	10.7	4.13E-01	2.77E+00	—	pCi/L	—	—	180976	GU07020GI32A01	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	6.81	4.00E+00	1.90E+01	—	pCi/L	U	U	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	62.7	1.31E+01	2.18E+02	—	pCi/L	U	U	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	16.7	2.20E+00	1.80E+01	—	pCi/L	U	U	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	150	2.17E+01	9.80E+01	—	pCi/L	—	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	144	2.10E+01	9.40E+01	—	pCi/L	—	U	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	34.4	8.67E+00	1.70E+01	—	pCi/L	—	U	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	82.4	2.49E+01	2.77E+02	—	pCi/L	U	U	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.31	3.67E+00	3.40E+01	—	pCi/L	U	U	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.3	3.87E+00	3.32E+01	—	pCi/L	U	U	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.203	7.00E-01	6.80E+00	—	pCi/L	U	U	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.87	4.00E+00	3.80E+01	—	pCi/L	U	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	16	3.67E+00	3.50E+01	—	pCi/L	U	U	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.91	3.67E+00	3.00E+01	—	pCi/L	U	U	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.39	2.92E+00	2.82E+01	—	pCi/L	U	U	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00459	3.33E-03	7.00E-02	—	pCi/L	U	U	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00759	2.80E-03	4.86E-02	—	pCi/L	U	U	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00917	3.67E-03	1.60E-02	—	pCi/L	U	U	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	5.67E-04	2.40E-02	—	pCi/L	U	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0231	4.67E-03	3.40E-02	—	pCi/L	U	U	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00901	2.60E-03	6.80E-02	—	pCi/L	U	U	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.31E-03	4.21E-02	—	pCi/L	U	U	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00918	3.07E-03	7.90E-02	—	pCi/L	U	U	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0202	3.40E-03	4.46E-02	—	pCi/L	U	U	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00367	1.23E-03	2.70E-02	—	pCi/L	U	U	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00172	5.67E-04	2.40E-02	—	pCi/L	U	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0042	1.97E-03	4.10E-02	—	pCi/L	U	U	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.009	2.13E-03	7.70E-02	—	pCi/L	U	U	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00439	2.07E-03	3.87E-02	—	pCi/L	U	U	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-9.76	6.33E+00	6.10E+01	—	pCi/L	U	U	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	38.7	7.00E+00	4.04E+01	—	pCi/L	U	U	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18.8	5.33E+00	5.50E+01	—	pCi/L	U	U	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.5	5.67E+00	6.00E+01	—	pCi/L	U	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.43	5.67E+00	5.90E+01	—	pCi/L	U	U	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	13.4	6.00E+00	6.50E+01	—	pCi/L	U	U	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.68	6.10E+00	5.77E+01	—	pCi/L	U	U	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.289	4.67E-01	4.50E+00	—	pCi/L	U	U	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.356	4.00E-01	4.11E+00	—	pCi/L	U	U	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.446	3.67E-01	3.70E+00	—	pCi/L	U	U	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.48	5.00E-01	4.60E+00	—	pCi/L	U	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.772	5.67E-01	5.20E+00	—	pCi/L	U	U	09-2583	CALA-09-11150	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.949	3.67E-01	3.30E+00	—	pCi/L	U	U	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.25	3.80E-01	4.12E+00	—	pCi/L	U	U	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0599	4.00E-02	4.90E-01	—	pCi/L	U	U	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.3	3.00E-02	3.98E-01	—	pCi/L	U	U	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0131	4.33E-02	4.90E-01	—	pCi/L	U	U	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0659	4.67E-02	4.70E-01	—	pCi/L	U	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.173	4.00E-02	4.00E-01	—	pCi/L	U	U	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.26	3.67E-02	4.80E-01	—	pCi/L	U	U	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.385	2.38E-02	3.73E-01	—	pCi/L	U	U	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1700	6.33E+01	1.20E+02	—	pCi/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	2140	7.33E+01	1.60E+02	—	pCi/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1680	6.00E+01	1.60E+02	—	pCi/L	—	—	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1840	6.33E+01	1.50E+02	—	pCi/L	—	—	09-611	CALA-09-1737	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	2740	1.00E+02	1.80E+02	—	pCi/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.604	1.67E-02	7.30E-02	—	pCi/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.574	1.64E-02	3.15E-02	—	pCi/L	—	—	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.649	1.87E-02	5.00E-02	—	pCi/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.617	1.97E-02	7.00E-02	—	pCi/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.621	2.03E-02	1.10E-01	—	pCi/L	—	—	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.584	1.67E-02	7.20E-02	—	pCi/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.496	1.43E-02	2.88E-02	—	pCi/L	—	—	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0473	4.00E-03	3.90E-02	—	pCi/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.05	4.03E-03	2.65E-02	—	pCi/L	—	J	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0491	3.67E-03	2.40E-02	—	pCi/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0434	4.67E-03	4.00E-02	—	pCi/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0646	5.33E-03	5.10E-02	—	pCi/L	—	—	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00779	2.60E-03	3.90E-02	—	pCi/L	U	U	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0356	3.24E-03	2.43E-02	—	pCi/L	—	J	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.487	1.43E-02	3.80E-02	—	pCi/L	—	—	08-1855	CALA-08-13895	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.445	1.38E-02	4.24E-02	—	pCi/L	—	—	190642	GF07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.63	1.83E-02	3.00E-02	—	pCi/L	—	—	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.584	1.87E-02	4.60E-02	—	pCi/L	—	—	10-1185	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.553	1.83E-02	5.20E-02	—	pCi/L	—	—	09-2583	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.504	1.47E-02	3.80E-02	—	pCi/L	—	—	08-1855	CALA-08-13896	GELC
LAOI-3.2a	7691	181.4	07/30/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.489	1.42E-02	3.87E-02	—	pCi/L	—	—	190642	GU07070GI32A01	GELC
LAOI-3.2a	7691	181.4	08/20/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.47	—	—	2.50E-01	ug/L	J	J	10-4278	CALA-10-25221	GELC
LAOI-3.2a	7691	181.4	01/08/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.398	—	—	2.50E-01	ug/L	J	J	10-1184	CALA-10-9171	GELC
LAOI-3.2a	7691	181.4	07/08/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.38	—	—	2.50E-01	ug/L	J	J	09-2581	CALA-09-11150	GELC
LAOI-3.2a	7691	181.4	01/12/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.408	—	—	2.50E-01	ug/L	J	J	09-611	CALA-09-1737	GELC
LAOI-3.2a	7691	181.4	09/05/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.392	—	—	2.50E-01	ug/L	J	J	08-1854	CALA-08-13896	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.9	—	—	7.30E-01	mg/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.2	—	—	7.30E-01	mg/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.6	—	—	7.30E-01	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53	—	—	7.30E-01	mg/L	—	—	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.7	—	—	7.30E-01	mg/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.164	—	—	6.60E-02	mg/L	J	J	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.148	—	—	6.60E-02	mg/L	J	J	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.109	—	—	6.60E-02	mg/L	J	J	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.181	—	—	6.70E-02	mg/L	J	J	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.16	—	—	6.70E-02	mg/L	J	J	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	5.00E-02	mg/L	—	—	10-4364	CALA-10-25226	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	5.00E-02	mg/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19	—	—	3.00E-02	mg/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.2	—	—	3.00E-02	mg/L	—	—	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.1	—	—	5.00E-02	mg/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.5	—	—	5.00E-02	mg/L	—	—	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.7	—	—	3.00E-02	mg/L	—	—	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	3.00E-02	mg/L	—	—	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	28.5	—	—	1.30E-01	mg/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	23.6	—	—	3.30E-01	mg/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	27.3	—	—	1.30E-01	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	27.7	—	—	3.30E-01	mg/L	—	—	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	38.3	—	—	1.30E-01	mg/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	3.30E-02	mg/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.149	—	—	3.30E-02	mg/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.221	—	—	3.30E-02	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.208	—	—	3.30E-02	mg/L	—	—	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.224	—	—	3.30E-02	mg/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	74.2	—	—	3.50E-01	mg/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	76	—	—	3.50E-01	mg/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	73	—	—	3.50E-01	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.1	—	—	3.50E-01	mg/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	68.4	—	—	4.30E-01	mg/L	—	—	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	77.4	—	—	3.50E-01	mg/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	73.5	—	—	3.50E-01	mg/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.9	—	—	3.50E-01	mg/L	—	—	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	80.7	—	—	3.50E-01	mg/L	—	—	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	69.3	—	—	4.30E-01	mg/L	—	—	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.6	—	—	8.50E-02	mg/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.7	—	—	8.50E-02	mg/L	E	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.39	—	—	8.50E-02	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.91	—	—	8.50E-02	mg/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.78	—	—	8.50E-02	mg/L	—	—	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.82	—	—	8.50E-02	mg/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.16	—	—	8.50E-02	mg/L	E	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.19	—	—	8.50E-02	mg/L	—	—	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.26	—	—	8.50E-02	mg/L	—	—	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.97	—	—	8.50E-02	mg/L	—	—	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.312	—	—	5.00E-02	mg/L	—	J	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.295	—	—	5.00E-02	mg/L	—	J	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.276	—	—	5.00E-02	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.187	—	—	5.00E-02	mg/L	J	J	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0629	—	—	1.00E-02	mg/L	—	U	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.684	—	—	5.00E-02	ug/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.755	—	—	5.00E-02	ug/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.66	—	—	5.00E-02	ug/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.522	—	—	5.00E-02	ug/L	—	—	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.56	—	—	5.00E-02	ug/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.38	—	—	5.00E-02	mg/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.57	—	—	5.00E-02	mg/L	—	—	10-1276	CALA-10-9166	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.98	—	—	5.00E-02	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.53	—	—	5.00E-02	mg/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.99	—	—	5.00E-02	mg/L	—	—	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.6	—	—	5.00E-02	mg/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.51	—	—	5.00E-02	mg/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.79	—	—	5.00E-02	mg/L	—	—	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.51	—	—	5.00E-02	mg/L	—	—	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.99	—	—	5.00E-02	mg/L	—	—	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	1.00E-01	mg/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	4.50E-02	mg/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	4.50E-02	mg/L	—	—	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	4.50E-02	mg/L	—	—	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	4.50E-02	mg/L	—	—	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	200	—	—	1.00E+00	uS/cm	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	236	—	—	1.00E+00	uS/cm	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	235	—	—	1.00E+00	uS/cm	—	—	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.9	—	—	1.00E-01	mg/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.5	—	—	1.00E-01	mg/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.1	—	—	1.00E-01	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.6	—	—	1.00E-01	mg/L	—	—	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.9	—	—	1.00E-01	mg/L	—	J-	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	203	—	—	2.40E+00	mg/L	—	J	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	184	—	—	2.40E+00	mg/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	185	—	—	2.40E+00	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	174	—	—	2.40E+00	mg/L	—	—	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.21	—	—	3.30E-01	mg/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.24	—	—	3.30E-01	mg/L	—	—	10-1275	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.95	—	—	3.30E-01	mg/L	J	J	09-2614	CALA-09-11155	GELC
LAOI-7	6411	240	01/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.55	—	—	3.30E-01	mg/L	—	—	09-589	CALA-09-1734	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.795	—	—	3.30E-01	mg/L	J	J	08-1796	CALA-08-13897	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.08	—	—	1.50E-02	mg/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.078	—	—	1.50E-02	mg/L	—	U	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.046	—	—	1.50E-02	mg/L	J	J	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.096	—	—	2.40E-02	mg/L	—	—	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	2.40E-02	mg/L	U	U	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.36	—	—	1.00E-02	SU	H	J-	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.34	—	—	1.00E-02	SU	H	J-	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.36	—	—	1.00E-02	SU	H	J-	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.4	—	—	1.00E-02	SU	H	J-	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.6	—	—	1.00E-02	SU	H	J-	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.2	—	—	1.00E+00	ug/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.6	—	—	1.00E+00	ug/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.7	—	—	1.00E+00	ug/L	—	—	09-2615	CALA-09-11153	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.7	—	—	1.00E+00	ug/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.8	—	—	1.00E+00	ug/L	—	—	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.9	—	—	1.00E+00	ug/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.4	—	—	1.00E+00	ug/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.4	—	—	1.00E+00	ug/L	—	—	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.6	—	—	1.00E+00	ug/L	—	—	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	ug/L	—	—	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.7	—	—	1.50E+01	ug/L	J	J	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.50E+01	ug/L	J	J	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	10.5	—	—	1.00E+01	ug/L	J	J	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.00E+01	ug/L	J	J	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15	—	—	1.50E+01	ug/L	J	J	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	ug/L	J	J	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	10.2	—	—	1.00E+01	ug/L	J	J	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.8	—	—	1.00E+01	ug/L	J	J	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.7	—	—	2.50E+00	ug/L	J	J	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.08	—	—	2.50E+00	ug/L	J	J	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	4.7	—	—	1.50E+00	ug/L	—	U	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.21	—	—	2.50E+00	ug/L	J	J	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.15	—	—	2.50E+00	ug/L	J	J	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	6.4	—	—	1.50E+00	ug/L	—	U	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	134	—	—	3.00E+01	ug/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	91.8	—	—	2.50E+01	ug/L	J	J	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	34.4	—	—	2.50E+01	ug/L	J	J	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	807	—	—	3.00E+01	ug/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	286	—	—	3.00E+01	ug/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	146	—	—	3.00E+01	ug/L	—	U	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	766	—	—	2.50E+01	ug/L	—	—	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	92.4	—	—	2.50E+01	ug/L	J	J	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	12.6	—	—	2.00E+00	ug/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.25	—	—	2.00E+00	ug/L	J	J	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.76	—	—	2.00E+00	ug/L	J	J	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.1	—	—	2.00E+00	ug/L	J	J	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.8	—	—	2.00E+00	ug/L	J	J	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	13.6	—	—	2.00E+00	ug/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.56	—	—	2.00E+00	ug/L	J	J	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.02	—	—	2.00E+00	ug/L	J	J	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	11.6	—	—	2.00E+00	ug/L	—	—	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.7	—	—	2.00E+00	ug/L	J	J	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.883	—	—	1.00E-01	ug/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.05	—	—	1.00E-01	ug/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.00E-01	ug/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.89	—	—	1.00E-01	ug/L	—	U	08-1797	CALA-08-13899	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	10	—	—	2.00E+00	ug/L	U	U	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.859	—	—	1.00E-01	ug/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.00E-01	ug/L	—	—	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.95	—	—	1.00E-01	ug/L	—	U	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	10	—	—	2.00E+00	ug/L	U	U	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.04	—	—	5.00E-01	ug/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.54	—	—	5.00E-01	ug/L	J	J	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.25	—	—	5.00E-01	ug/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	ug/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.1	—	—	5.00E-01	ug/L	—	—	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.21	—	—	5.00E-01	ug/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.84	—	—	5.00E-01	ug/L	J	J	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.99	—	—	5.00E-01	ug/L	J	J	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.7	—	—	5.00E-01	ug/L	—	—	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.7	—	—	5.00E-01	ug/L	—	—	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	56.1	—	—	5.30E-02	mg/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	56.4	—	—	5.30E-02	mg/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.8	—	—	5.30E-02	mg/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	01/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.3	—	—	3.20E-02	mg/L	—	—	09-589	CALA-09-1735	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57.8	—	—	3.20E-02	mg/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	95.9	—	—	1.00E+00	ug/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	93.5	—	—	1.00E+00	ug/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	94.5	—	—	1.00E+00	ug/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	101	—	—	1.00E+00	ug/L	—	—	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	88.9	—	—	1.00E+00	ug/L	—	—	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	101	—	—	1.00E+00	ug/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	93.9	—	—	1.00E+00	ug/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	94.9	—	—	1.00E+00	ug/L	—	—	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	101	—	—	1.00E+00	ug/L	—	—	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	89.2	—	—	1.00E+00	ug/L	—	—	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.632	—	—	5.00E-02	ug/L	—	—	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.768	—	—	5.00E-02	ug/L	—	—	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.694	—	—	5.00E-02	ug/L	—	—	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.73	—	—	5.00E-02	ug/L	—	J	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.61	—	—	5.00E-02	ug/L	—	—	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.626	—	—	5.00E-02	ug/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.775	—	—	5.00E-02	ug/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.754	—	—	5.00E-02	ug/L	—	—	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.74	—	—	5.00E-02	ug/L	—	J	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.59	—	—	5.00E-02	ug/L	—	—	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.71	—	—	1.00E+00	ug/L	J	J	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.71	—	—	1.00E+00	ug/L	J	J	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.91	—	—	1.00E+00	ug/L	J	J	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	2	—	—	1.00E+00	ug/L	J	U	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	2.3	—	—	1.00E+00	ug/L	J	U	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.95	—	—	1.00E+00	ug/L	J	J	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.83	—	—	1.00E+00	ug/L	J	J	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.8	—	—	1.00E+00	ug/L	J	J	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.8	—	—	1.00E+00	ug/L	J	U	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.8	—	—	1.00E+00	ug/L	J	U	08-467	CALA-08-10260	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	6411	240	08/26/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.69	—	—	3.30E+00	ug/L	J	J	10-4364	CALA-10-25226	GELC
LAOI-7	6411	240	01/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.58	—	—	3.30E+00	ug/L	J	J	10-1276	CALA-10-9166	GELC
LAOI-7	6411	240	07/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.13	—	—	3.30E+00	ug/L	J	J	09-2615	CALA-09-11153	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	14.1	—	—	2.00E+00	ug/L	—	U	08-1797	CALA-08-13899	GELC
LAOI-7	6411	240	01/09/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.2	—	—	2.00E+00	ug/L	J	J	08-467	CALA-08-10261	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.01	—	—	3.30E+00	ug/L	J	J	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.25	—	—	3.30E+00	ug/L	J	J	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.19	—	—	3.30E+00	ug/L	J	J	09-2615	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	18.7	—	—	2.00E+00	ug/L	—	U	08-1797	CALA-08-13897	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.9	—	—	2.00E+00	ug/L	J	J	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	1.90E-03	3.60E-02	—	pCi/L	U	U	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00373	9.53E-04	3.51E-02	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00161	8.00E-04	3.50E-02	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00231	2.67E-03	2.70E-02	—	pCi/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0118	5.33E-03	3.90E-02	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00606	2.33E-03	3.50E-02	—	pCi/L	U	U	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0041	1.81E-03	3.63E-02	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.77	4.67E-01	4.30E+00	—	pCi/L	U	U	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.898	4.07E-01	4.17E+00	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.744	4.00E-01	4.10E+00	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.41	5.00E-01	4.70E+00	—	pCi/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.629	5.00E-01	5.20E+00	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.35	4.00E-01	3.30E+00	—	pCi/L	U	U	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.06	4.87E-01	3.79E+00	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.897	5.33E-01	4.80E+00	—	pCi/L	U	U	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.164	4.43E-01	4.37E+00	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.45	4.67E-01	4.20E+00	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.989	4.00E-01	3.50E+00	—	pCi/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.404	5.00E-01	4.80E+00	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.74	3.67E-01	4.40E+00	—	pCi/L	U	U	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.699	3.43E-01	3.07E+00	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.213	1.34E-01	1.62E+00	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	04/18/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.12	1.60E-01	1.33E+00	—	pCi/L	U	U	184649	GF07040LAOI701	GELC
LAOI-7	6411	240	02/15/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.85	1.89E-01	1.79E+00	—	pCi/L	U	U	180975	GF07020LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.393	1.83E-01	2.30E+00	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.15	2.77E-01	2.80E+00	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.71	3.09E-01	2.95E+00	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	04/18/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.54	1.23E-01	1.23E+00	—	pCi/L	U	U	184649	GU07040LAOI701	GELC
LAOI-7	6411	240	02/15/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.16	2.12E-01	1.72E+00	—	pCi/L	U	U	180975	GU07020LAOI701	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.75	3.06E-01	2.25E+00	—	pCi/L	—	J	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	04/18/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.78	3.04E-01	2.11E+00	—	pCi/L	—	J	184649	GF07040LAOI701	GELC
LAOI-7	6411	240	02/15/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	7.74	4.53E-01	3.46E+00	—	pCi/L	—	J	180975	GF07020LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3	2.87E-01	2.20E+00	—	pCi/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.44	4.00E-01	3.40E+00	—	pCi/L	—	—	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.45	2.83E-01	2.32E+00	—	pCi/L	—	J	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	04/18/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.09	3.07E-01	2.87E+00	—	pCi/L	—	J	184649	GU07040LAOI701	GELC
LAOI-7	6411	240	02/15/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.95	4.10E-01	3.38E+00	—	pCi/L	—	J	180975	GU07020LAOI701	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	13.1	9.00E+00	2.50E+01	—	pCi/L	U	U	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	82.9	2.81E+01	2.98E+02	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	26.6	3.67E+00	3.60E+01	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	138	1.63E+01	1.10E+02	—	pCi/L	—	U	10-1276	CALA-10-9165	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	215	1.27E+01	1.20E+02	—	pCi/L	—	—	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15.1	5.33E+00	3.70E+01	—	pCi/L	U	U	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67.7	2.40E+01	2.47E+02	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.16	3.33E+00	3.40E+01	—	pCi/L	U	U	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.27	3.40E+00	3.06E+01	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.457	9.33E-01	9.40E+00	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.2	4.00E+00	4.00E+01	—	pCi/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	19	4.00E+00	4.10E+01	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-9.59	3.03E+00	2.90E+01	—	pCi/L	U	U	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.235	2.75E+00	2.74E+01	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	2.01E-09	3.67E-03	2.90E-02	—	pCi/L	U	U	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00625	2.87E-03	2.92E-02	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00214	1.60E-03	2.40E-02	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.00E-04	2.50E-02	—	pCi/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00888	4.33E-03	3.50E-02	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00405	2.70E-03	2.80E-02	—	pCi/L	U	U	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00396	2.95E-03	2.77E-02	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0021	2.33E-03	3.60E-02	—	pCi/L	U	U	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00208	1.84E-03	3.23E-02	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00214	1.60E-03	3.50E-02	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00183	6.00E-04	2.60E-02	—	pCi/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00222	2.23E-03	4.30E-02	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00202	1.80E-03	3.50E-02	—	pCi/L	U	U	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00791	1.87E-03	3.07E-02	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.797	5.67E+00	6.10E+01	—	pCi/L	U	U	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	3.36	4.73E+00	4.88E+01	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	49.5	7.67E+00	7.90E+01	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.3	6.67E+00	7.40E+01	—	pCi/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-39.5	6.67E+00	6.20E+01	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.9	5.67E+00	5.30E+01	—	pCi/L	U	U	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.55	4.43E+00	4.83E+01	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.533	4.67E-01	4.50E+00	—	pCi/L	U	U	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.791	3.77E-01	3.94E+00	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.15	5.00E-01	5.10E+00	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.759	4.67E-01	4.90E+00	—	pCi/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.753	4.33E-01	4.50E+00	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.683	4.33E-01	3.80E+00	—	pCi/L	U	U	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.351	3.57E-01	3.36E+00	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.078	4.33E-02	4.80E-01	—	pCi/L	U	U	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.252	2.97E-02	3.91E-01	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.217	5.00E-02	4.90E-01	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0451	4.00E-02	4.50E-01	—	pCi/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.132	4.33E-02	4.40E-01	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0618	4.33E-02	4.90E-01	—	pCi/L	U	U	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0446	2.98E-02	3.25E-01	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	754	3.17E+01	1.20E+02	—	pCi/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	952	3.67E+01	1.60E+02	—	pCi/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	776	3.30E+01	1.70E+02	—	pCi/L	—	—	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	01/07/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	710	2.97E+01	1.50E+02	—	pCi/L	—	—	09-589	CALA-09-1734	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	687	3.23E+01	1.80E+02	—	pCi/L	—	—	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.325	1.03E-02	6.20E-02	—	pCi/L	—	—	08-1798	CALA-08-13899	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.292	1.11E-02	3.47E-02	—	pCi/L	—	—	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.304	1.17E-02	6.70E-02	—	pCi/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.257	1.07E-02	7.30E-02	—	pCi/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.279	1.17E-02	1.10E-01	—	pCi/L	—	—	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.294	1.00E-02	6.80E-02	—	pCi/L	—	—	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.236	1.26E-02	6.02E-02	—	pCi/L	—	—	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0134	2.37E-03	3.30E-02	—	pCi/L	U	U	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00613	2.50E-03	2.92E-02	—	pCi/L	U	U	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0123	2.07E-03	3.40E-02	—	pCi/L	U	U	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0289	3.30E-03	4.10E-02	—	pCi/L	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0274	3.30E-03	5.20E-02	—	pCi/L	U	U	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0146	2.33E-03	3.60E-02	—	pCi/L	U	U	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0159	4.70E-03	5.07E-02	—	pCi/L	U	U	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/27/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.2	7.33E-03	3.20E-02	—	pCi/L	—	—	08-1798	CALA-08-13899	GELC
LAOI-7	6411	240	07/19/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.183	9.07E-03	4.67E-02	—	pCi/L	—	—	190027	GF07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.252	1.03E-02	2.90E-02	—	pCi/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.224	9.67E-03	4.80E-02	—	pCi/L	—	—	10-1276	CALA-10-9165	GELC
LAOI-7	6411	240	07/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.222	1.00E-02	5.20E-02	—	pCi/L	—	—	09-2616	CALA-09-11155	GELC
LAOI-7	6411	240	08/27/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.237	8.67E-03	3.50E-02	—	pCi/L	—	—	08-1798	CALA-08-13897	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.193	1.18E-02	8.10E-02	—	pCi/L	—	J	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	08/26/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	—	23.9	—	—	2.40E+00	ug/L	—	—	10-4364	CALA-10-25225	GELC
LAOI-7	6411	240	01/14/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10.9	—	—	2.20E+00	ug/L	U	U	10-1275	CALA-10-9165	GELC
LAOI-7	6411	240	01/09/08	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10.2	—	—	2.00E+00	ug/L	U	U	08-467	CALA-08-10260	GELC
LAOI-7	6411	240	07/19/07	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10.5	—	—	2.11E+00	ug/L	U	—	190027	GU07070LAOI701	GELC
LAOI-7	6411	240	04/18/07	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	11.1	—	—	2.22E+00	ug/L	U	—	184649	GU07040LAOI701	GELC
LLAO-1b	5231	11.32	01/25/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	482	—	—	1.00E+00	uS/cm	—	—	08-578	CALA-08-9756	GELC
LLAO-1b	5231	11.32	07/24/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	647	—	—	1.00E+00	uS/cm	—	—	190192	GF070700GB1L01	GELC
LLAO-1b	5231	11.32	04/24/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	592	—	—	1.00E+00	uS/cm	—	—	184942	GF070400GB1L01	GELC
LLAO-1b	5231	11.32	08/09/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	485	—	—	1.00E+00	uS/cm	—	—	169116	GF060700GB1L01	GELC
LLAO-1b	5231	11.32	08/09/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	481	—	—	1.00E+00	uS/cm	—	—	169116	GU060700GB1L01	GELC
LLAO-1b	5231	11.32	01/25/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.05	—	—	1.00E-02	SU	H	J-	08-578	CALA-08-9756	GELC
LLAO-1b	5231	11.32	07/24/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.47	—	—	1.00E-02	SU	H	J	190192	GF070700GB1L01	GELC
LLAO-1b	5231	11.32	04/24/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.89	—	—	1.00E-02	SU	H	J	184942	GF070400GB1L01	GELC
LLAO-1b	5231	11.32	08/09/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.86	—	—	1.00E-02	SU	H	J	169116	GF060700GB1L01	GELC
LLAO-1b	5231	11.32	08/09/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	6.9	—	—	1.00E-02	SU	H	J	169116	GU060700GB1L01	GELC
LLAO-4	5661	5.24	07/08/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	445	—	—	1.00E+00	uS/cm	—	—	09-2571	CALA-09-11201	GELC
LLAO-4	5661	5.24	01/08/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	473	—	—	1.00E+00	uS/cm	—	—	09-592	CALA-09-1714	GELC
LLAO-4	5661	5.24	08/27/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	482	—	—	1.00E+00	uS/cm	—	—	08-1791	CALA-08-13929	GELC
LLAO-4	5661	5.24	01/25/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	509	—	—	1.00E+00	uS/cm	—	—	08-578	CALA-08-9758	GELC
LLAO-4	5661	5.24	07/08/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.09	—	—	1.00E-02	SU	H	J-	09-2571	CALA-09-11201	GELC
LLAO-4	5661	5.24	01/08/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.1	—	—	1.00E-02	SU	H	J-	09-592	CALA-09-1714	GELC
LLAO-4	5661	5.24	08/27/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.31	—	—	1.00E-02	SU	H	J-	08-1791	CALA-08-13929	GELC
LLAO-4	5661	5.24	01/25/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.2	—	—	1.00E-02	SU	H	J-	08-578	CALA-08-9758	GELC
Los Alamos Spring	—	—	07/09/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	331	—	—	1.00E+00	uS/cm	—	—	09-2595	CALA-09-11191	GELC
Los Alamos Spring	—	—	01/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	331	—	—	1.00E+00	uS/cm	—	—	09-630	CALA-09-1812	GELC
Los Alamos Spring	—	—	08/25/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	343	—	—	1.00E+00	uS/cm	—	—	08-1767	CALA-08-13922	GELC
Los Alamos Spring	—	—	01/25/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	332	—	—	1.00E+00	uS/cm	—	—	08-576	CALA-08-9787	GELC
Los Alamos Spring	—	—	07/09/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J-	09-2595	CALA-09-11191	GELC
Los Alamos Spring	—	—	01/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.12	—	—	1.00E-02	SU	H	J-	09-630	CALA-09-1812	GELC
Los Alamos Spring	—	—	08/25/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.73	—	—	1.00E-02	SU	H	J-	08-1767	CALA-08-13922	GELC
Los Alamos Spring	—	—	01/25/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	1.00E-02	SU	H	J-	08-576	CALA-08-9787	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.7	—	—	7.30E-01	mg/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	01/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.4	—	—	7.30E-01	mg/L	—	—	10-1189	CALA-10-9178	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.2	—	—	7.30E-01	mg/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	01/20/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.7	—	—	7.30E-01	mg/L	—	—	09-682	CALA-09-1740	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.7	—	—	7.30E-01	mg/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	5.00E-02	mg/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23	—	—	3.00E-02	mg/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.2	—	—	3.00E-02	mg/L	—	—	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.1	—	—	5.00E-02	mg/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.2	—	—	5.00E-02	mg/L	—	—	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	3.00E-02	mg/L	—	—	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.3	—	—	3.00E-02	mg/L	—	—	08-571	CALA-08-9860	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	16.3	—	—	6.60E-02	mg/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	16	—	—	6.60E-02	mg/L	—	—	10-1189	CALA-10-9178	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	16.6	—	—	6.60E-02	mg/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	01/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	16.8	—	—	6.60E-02	mg/L	—	J+	09-682	CALA-09-1740	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	15.7	—	—	6.60E-02	mg/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.654	—	—	3.30E-02	mg/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.899	—	—	3.30E-02	mg/L	—	—	10-1189	CALA-10-9178	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.66	—	—	3.30E-02	mg/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	01/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.71	—	—	3.30E-02	mg/L	—	—	09-682	CALA-09-1740	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.725	—	—	3.30E-02	mg/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.5	—	—	3.50E-01	mg/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	71.6	—	—	3.50E-01	mg/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	74.7	—	—	3.50E-01	mg/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77.6	—	—	4.30E-01	mg/L	—	—	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.2	—	—	3.50E-01	mg/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.9	—	—	3.50E-01	mg/L	—	—	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	72.6	—	—	3.50E-01	mg/L	—	—	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	77.7	—	—	4.30E-01	mg/L	—	—	08-571	CALA-08-9860	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.98	—	—	8.50E-02	mg/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.99	—	—	8.50E-02	mg/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.21	—	—	8.50E-02	mg/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.16	—	—	8.50E-02	mg/L	—	—	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	8.50E-02	mg/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.98	—	—	8.50E-02	mg/L	—	—	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.16	—	—	8.50E-02	mg/L	—	—	08-571	CALA-08-9860	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.88	—	—	2.50E-01	mg/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	01/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.77	—	—	1.00E-01	mg/L	—	—	10-1189	CALA-10-9178	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.57	—	—	5.00E-02	mg/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	01/20/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.08	—	—	1.00E-01	mg/L	—	J+	09-682	CALA-09-1740	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.44	—	—	5.00E-02	mg/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.17	—	—	5.00E-01	ug/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	01/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.72	—	—	5.00E-01	ug/L	—	—	10-1189	CALA-10-9178	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7	—	—	5.00E-01	ug/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	01/20/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.39	—	—	5.00E-01	ug/L	—	—	09-682	CALA-09-1740	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.47	—	—	5.00E-01	ug/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	20.2	—	—	1.00E-01	mg/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.2	—	—	1.00E-01	mg/L	—	—	09-2640	CALA-09-11158	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	20.3	—	—	4.50E-02	mg/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	20.6	—	—	4.50E-02	mg/L	—	—	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.8	—	—	1.00E-01	mg/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.8	—	—	1.00E-01	mg/L	—	—	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.3	—	—	4.50E-02	mg/L	—	—	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	20.7	—	—	4.50E-02	mg/L	—	—	08-571	CALA-08-9860	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	239	—	—	1.00E+00	uS/cm	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	01/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	236	—	—	1.00E+00	uS/cm	—	—	10-1189	CALA-10-9178	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	01/20/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	240	—	—	1.00E+00	uS/cm	—	—	09-682	CALA-09-1740	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	243	—	—	1.00E+00	uS/cm	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.53	—	—	1.00E-01	mg/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.49	—	—	1.00E-01	mg/L	—	—	10-1189	CALA-10-9178	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.86	—	—	1.00E-01	mg/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	01/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.21	—	—	1.00E-01	mg/L	—	—	09-682	CALA-09-1740	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.55	—	—	1.00E-01	mg/L	—	J-	08-1797	CALA-08-13890	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	210	—	—	2.40E+00	mg/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	01/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	206	—	—	2.40E+00	mg/L	—	—	10-1189	CALA-10-9178	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	198	—	—	2.40E+00	mg/L	—	J	09-2640	CALA-09-11158	GELC
R-6i	5881	602	01/20/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	202	—	—	2.40E+00	mg/L	—	—	09-682	CALA-09-1740	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	203	—	—	2.40E+00	mg/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.581	—	—	3.30E-01	mg/L	J	J	10-4259	CALA-10-25228	GELC
R-6i	5881	602	01/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.544	—	—	3.30E-01	mg/L	J	J	10-1187	CALA-10-9177	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2639	CALA-09-11157	GELC
R-6i	5881	602	01/20/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.874	—	—	3.30E-01	mg/L	J	J	09-681	CALA-09-1741	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	08-1796	CALA-08-13889	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.68	—	—	1.00E-02	SU	H	J-	10-4259	CALA-10-25227	GELC
R-6i	5881	602	01/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.67	—	—	1.00E-02	SU	H	J-	10-1189	CALA-10-9178	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.55	—	—	1.00E-02	SU	H	J-	09-2640	CALA-09-11158	GELC
R-6i	5881	602	01/20/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	09-682	CALA-09-1740	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.55	—	—	1.00E-02	SU	H	J-	08-1797	CALA-08-13890	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.3	—	—	1.00E+00	ug/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.7	—	—	1.00E+00	ug/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.1	—	—	1.00E+00	ug/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.5	—	—	1.00E+00	ug/L	—	—	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20.7	—	—	1.00E+00	ug/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.7	—	—	1.00E+00	ug/L	—	—	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.4	—	—	1.00E+00	ug/L	—	—	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.6	—	—	1.00E+00	ug/L	—	—	08-571	CALA-08-9860	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.9	—	—	1.50E+01	ug/L	J	J	10-4259	CALA-10-25227	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	ug/L	J	J	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.00E+01	ug/L	J	J	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.5	—	—	1.00E+01	ug/L	J	J	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	1.50E+01	ug/L	J	J	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17	—	—	1.50E+01	ug/L	J	J	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.3	—	—	1.00E+01	ug/L	J	J	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.7	—	—	1.00E+01	ug/L	J	J	08-571	CALA-08-9860	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	78.2	—	—	2.50E+01	ug/L	J	J	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	30.3	—	—	2.50E+01	ug/L	J	J	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	42.1	—	—	3.00E+01	ug/L	J	J	10-4259	CALA-10-25228	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	5881	602	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	195	—	—	2.50E+01	ug/L	—	—	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	81.8	—	—	2.50E+01	ug/L	J	J	08-571	CALA-08-9860	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.46	—	—	1.00E-01	ug/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.51	—	—	1.00E-01	ug/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.4	—	—	1.00E-01	ug/L	—	U	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	10	—	—	2.00E+00	ug/L	U	U	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.49	—	—	1.00E-01	ug/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.59	—	—	1.00E-01	ug/L	—	—	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.4	—	—	1.00E-01	ug/L	—	U	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	10	—	—	2.00E+00	ug/L	U	U	08-571	CALA-08-9860	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.09	—	—	5.00E-01	ug/L	J	J	10-4259	CALA-10-25227	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.27	—	—	5.00E-01	ug/L	J	J	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	ug/L	J	J	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	ug/L	J	J	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.21	—	—	5.00E-01	ug/L	J	J	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.31	—	—	5.00E-01	ug/L	J	J	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	ug/L	J	J	08-571	CALA-08-9860	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68	—	—	5.30E-02	mg/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	01/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.8	—	—	5.30E-02	mg/L	—	—	10-1189	CALA-10-9178	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	5.30E-02	mg/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	01/20/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.2	—	—	3.20E-02	mg/L	—	—	09-682	CALA-09-1740	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.9	—	—	3.20E-02	mg/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	102	—	—	1.00E+00	ug/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	111	—	—	1.00E+00	ug/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	94.3	—	—	1.00E+00	ug/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	112	—	—	1.00E+00	ug/L	—	—	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99.4	—	—	1.00E+00	ug/L	—	—	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	08-571	CALA-08-9860	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.381	—	—	5.00E-02	ug/L	—	—	10-4259	CALA-10-25227	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.544	—	—	5.00E-02	ug/L	—	—	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.51	—	—	5.00E-02	ug/L	—	J	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	ug/L	—	—	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.355	—	—	5.00E-02	ug/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.552	—	—	5.00E-02	ug/L	—	—	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.53	—	—	5.00E-02	ug/L	—	J	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.55	—	—	5.00E-02	ug/L	—	—	08-571	CALA-08-9860	GELC
R-6i	5881	602	08/19/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2	—	—	1.00E+00	ug/L	J	J	10-4259	CALA-10-25227	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.66	—	—	1.00E+00	ug/L	J	J	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.8	—	—	1.00E+00	ug/L	J	U	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.8	—	—	1.00E+00	ug/L	J	J	08-571	CALA-08-9858	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.97	—	—	1.00E+00	ug/L	J	J	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.99	—	—	1.00E+00	ug/L	J	J	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	3.5	—	—	1.00E+00	ug/L	J	U	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.8	—	—	1.00E+00	ug/L	J	J	08-571	CALA-08-9860	GELC
R-6i	5881	602	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.65	—	—	3.30E+00	ug/L	J	J	09-2640	CALA-09-11158	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	14	—	—	2.00E+00	ug/L	—	U	08-1797	CALA-08-13890	GELC
R-6i	5881	602	01/23/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.1	—	—	2.00E+00	ug/L	—	J	08-571	CALA-08-9858	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	5881	602	08/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.32	—	—	3.30E+00	ug/L	J	J	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.02	—	—	3.30E+00	ug/L	J	J	09-2640	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	13.9	—	—	2.00E+00	ug/L	—	U	08-1797	CALA-08-13889	GELC
R-6i	5881	602	01/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.4	—	—	2.00E+00	ug/L	—	J	08-571	CALA-08-9860	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00915	2.00E-03	2.50E-02	—	pCi/L	U	U	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00339	8.93E-04	4.12E-02	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00175	3.93E-03	5.64E-02	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00862	1.53E-03	4.90E-02	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0387	4.00E-03	6.40E-02	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00855	2.37E-03	2.40E-02	—	pCi/L	U	U	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00121	6.60E-04	3.87E-02	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00503	4.37E-03	6.19E-02	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.718	4.33E-01	4.40E+00	—	pCi/L	U	U	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.23	5.47E-01	4.97E+00	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.528	3.77E-01	3.76E+00	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0636	3.67E-01	3.70E+00	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.268	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.174	4.33E-01	4.40E+00	—	pCi/L	U	U	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.2	3.17E-01	2.80E+00	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.28	3.43E-01	2.75E+00	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.806	5.00E-01	4.70E+00	—	pCi/L	U	U	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.9	5.87E-01	4.71E+00	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.49	3.50E-01	3.83E+00	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.282	3.33E-01	3.30E+00	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.03	5.00E-01	5.00E+00	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.804	5.00E-01	4.60E+00	—	pCi/L	U	U	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.141	3.97E-01	3.83E+00	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.09	3.43E-01	2.60E+00	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	2.79	3.43E-01	2.43E+00	—	pCi/L	—	J	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	1.53	2.08E-01	1.42E+00	—	pCi/L	—	J	184266	GF070400G6IR01	GELC
R-6i	5881	602	07/26/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.245	2.19E-01	2.94E+00	—	pCi/L	U	U	168072	GF060700G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.367	2.17E-01	2.70E+00	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.61	1.87E-01	2.00E+00	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.23	3.05E-01	2.27E+00	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.52	2.16E-01	1.61E+00	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	07/26/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0594	2.10E-01	2.93E+00	—	pCi/L	U	U	168072	GU060700G6IR01	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.5	2.85E-01	2.78E+00	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	0.956	2.82E-01	2.85E+00	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	07/26/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	0.948	2.36E-01	2.89E+00	—	pCi/L	U	U	168072	GF060700G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.154	2.63E-01	2.90E+00	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.699	1.47E-01	1.40E+00	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.58	3.00E-01	2.73E+00	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.702	2.81E-01	2.88E+00	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	07/26/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.13	2.58E-01	2.93E+00	—	pCi/L	U	U	168072	GU060700G6IR01	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	11.7	4.33E+00	1.90E+01	—	pCi/L	U	U	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	85.8	2.32E+01	1.64E+02	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	80.9	1.97E+01	2.92E+02	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	87.6	7.00E+00	7.30E+01	—	pCi/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	186	1.97E+01	1.20E+02	—	pCi/L	—	—	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	14.9	5.00E+00	2.20E+01	—	pCi/L	U	U	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67	2.51E+01	2.46E+02	—	pCi/L	U	U	189841	GU070700G6IR01	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	95.7	2.41E+01	3.14E+02	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.2	3.33E+00	3.40E+01	—	pCi/L	U	U	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.44	3.77E+00	3.23E+01	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-14.8	2.80E+00	2.51E+01	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.608	7.67E-01	7.60E+00	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.67	4.00E+00	3.50E+01	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.6	3.20E+00	2.90E+01	—	pCi/L	U	U	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.6	3.10E+00	2.74E+01	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17	3.02E+00	2.70E+01	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00246	4.00E-03	3.40E-02	—	pCi/L	U	U	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00596	1.75E-03	2.78E-02	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0031	1.04E-03	3.18E-02	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00939	5.67E-03	2.10E-02	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00735	3.00E-03	5.90E-02	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.018	6.33E-03	3.60E-02	—	pCi/L	U	U	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00244	1.15E-03	3.41E-02	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00875	4.40E-03	3.14E-02	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00246	3.67E-03	4.20E-02	—	pCi/L	U	U	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00397	1.33E-03	3.08E-02	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00931	4.50E-03	4.60E-02	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00939	3.13E-03	3.40E-02	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.022	3.23E-03	7.20E-02	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0103	3.20E-03	4.40E-02	—	pCi/L	U	U	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00975	1.63E-03	3.78E-02	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.000909	3.03E-03	4.57E-02	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	9.83	4.67E+00	4.90E+01	—	pCi/L	U	U	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	7.78	6.10E+00	6.44E+01	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	23.1	5.23E+00	3.89E+01	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.73	5.33E+00	4.80E+01	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	66.3	7.67E+00	4.20E+01	—	pCi/L	—	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-26.2	6.33E+00	6.30E+01	—	pCi/L	U	U	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-2.25	4.73E+00	5.05E+01	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	11.2	4.27E+00	4.44E+01	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.343	5.33E-01	5.30E+00	—	pCi/L	U	U	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.39	5.07E-01	4.69E+00	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.21	3.67E-01	3.53E+00	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.05	4.00E-01	3.70E+00	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.816	4.33E-01	4.40E+00	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.194	3.20E-01	3.10E+00	—	pCi/L	U	U	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.268	4.53E-01	3.70E+00	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0186	4.67E-01	3.93E+00	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0785	4.00E-02	4.80E-01	—	pCi/L	U	U	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0726	4.33E-02	4.85E-01	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.223	3.06E-02	3.22E-01	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0586	4.33E-02	4.60E-01	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0629	2.90E-02	3.60E-01	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.268	4.33E-02	5.50E-01	—	pCi/L	U	U	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00642	4.27E-02	4.84E-01	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0347	3.22E-02	3.42E-01	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3040	1.07E+02	1.10E+02	—	pCi/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	01/08/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3490	1.20E+02	1.60E+02	—	pCi/L	—	—	10-1189	CALA-10-9177	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3230	1.13E+02	2.00E+02	—	pCi/L	—	—	09-2641	CALA-09-11157	GELC
R-6i	5881	602	01/20/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3770	1.33E+02	1.50E+02	—	pCi/L	—	—	09-682	CALA-09-1741	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3079.671	6.04E+01	1.90E+02	—	pCi/L	—	—	08-1841	CALA-08-13889	ARSL
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.424	1.30E-02	7.00E-02	—	pCi/L	—	—	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.437	1.33E-02	2.88E-02	—	pCi/L	—	—	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.476	1.50E-02	6.87E-02	—	pCi/L	—	—	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.365	1.43E-02	8.90E-02	—	pCi/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.404	2.27E-02	2.70E-01	—	pCi/L	—	—	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.43	1.33E-02	7.50E-02	—	pCi/L	—	—	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.521	1.48E-02	2.85E-02	—	pCi/L	—	—	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.58	1.66E-02	5.84E-02	—	pCi/L	—	—	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0201	3.17E-03	3.70E-02	—	pCi/L	U	U	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0153	2.95E-03	2.43E-02	—	pCi/L	U	U	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0341	3.77E-03	4.36E-02	—	pCi/L	U	U	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0151	2.53E-03	4.20E-02	—	pCi/L	U	U	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	3.33E-03	1.40E-01	—	pCi/L	U	U	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0108	2.87E-03	4.00E-02	—	pCi/L	U	U	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00754	1.88E-03	2.40E-02	—	pCi/L	U	U	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0237	3.20E-03	3.71E-02	—	pCi/L	U	U	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/27/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.2	8.00E-03	3.70E-02	—	pCi/L	—	—	08-1798	CALA-08-13890	GELC
R-6i	5881	602	07/17/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.218	8.93E-03	3.88E-02	—	pCi/L	—	—	189841	GF070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.178	8.10E-03	5.23E-02	—	pCi/L	—	—	184266	GF070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.147	8.00E-03	5.40E-02	—	pCi/L	—	—	10-4259	CALA-10-25228	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.18	1.40E-02	1.40E-01	—	pCi/L	—	—	09-2641	CALA-09-11157	GELC
R-6i	5881	602	08/27/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.209	8.33E-03	3.90E-02	—	pCi/L	—	—	08-1798	CALA-08-13889	GELC
R-6i	5881	602	07/17/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.197	7.80E-03	3.83E-02	—	pCi/L	—	—	189841	GU070700G6IR01	GELC
R-6i	5881	602	04/12/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.252	9.20E-03	4.45E-02	—	pCi/L	—	—	184266	GU070400G6IR01	GELC
R-6i	5881	602	08/19/10	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	2.61	—	—	2.10E+00	ug/L	J	J	10-4259	CALA-10-25228	GELC
R-6i	5881	602	01/08/10	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	3.6	—	—	2.50E+00	ug/L	J	J	10-1187	CALA-10-9177	GELC
R-6i	5881	602	07/14/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	<	3.98	—	—	2.20E+00	ug/L	J	UJ	09-2639	CALA-09-11157	GELC
R-6i	5881	602	01/20/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	3.42	—	—	1.10E+00	ug/L	J	J	09-681	CALA-09-1741	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62	—	—	7.30E-01	mg/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.9	—	—	7.30E-01	mg/L	—	—	10-1193	CALA-10-9151	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.9	—	—	7.30E-01	mg/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.8	—	—	7.30E-01	mg/L	—	—	09-599	CALA-09-1726	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.181	—	—	6.60E-02	mg/L	J	J	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.153	—	—	6.60E-02	mg/L	J	J	10-1193	CALA-10-9151	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.15	—	—	6.60E-02	mg/L	J	J	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.70E-02	mg/L	U	UJ	09-599	CALA-09-1726	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.1	—	—	5.00E-02	mg/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	5.00E-02	mg/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	3.00E-02	mg/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	5.00E-02	mg/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	5.00E-02	mg/L	—	—	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	3.00E-02	mg/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.2	—	—	3.60E-02	mg/L	—	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.7	—	—	5.54E-03	mg/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	42.2	—	—	3.30E-01	mg/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	<	34.8	—	—	6.60E-01	mg/L	—	U	10-1193	CALA-10-9151	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	39	—	—	3.30E-01	mg/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	40	—	—	3.30E-01	mg/L	—	—	09-599	CALA-09-1726	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00202	—	—	1.70E-03	mg/L	J	J	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	01/08/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-1193	CALA-10-9149	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Geninorg	SW-846:9012A	Cyanide (Total)	<	0.0025	—	—	2.50E-03	mg/L	U	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Geninorg	SW-846:9012A	Cyanide (Total)	<	0.00172	—	—	1.72E-03	mg/L	U	UJ	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.331	—	—	3.30E-02	mg/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.447	—	—	3.30E-02	mg/L	—	—	10-1193	CALA-10-9151	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.437	—	—	3.30E-02	mg/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.383	—	—	3.30E-02	mg/L	—	J-	09-599	CALA-09-1726	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.2	—	—	3.50E-01	mg/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.4	—	—	3.50E-01	mg/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	74.5	—	—	3.50E-01	mg/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.1	—	—	3.50E-01	mg/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	86.8	—	—	3.50E-01	mg/L	—	—	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	75.7	—	—	3.50E-01	mg/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	90.2	—	—	8.50E-02	mg/L	—	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Geninorg	EPA:200.7	Hardness	—	80.5	—	—	5.54E-03	mg/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.41	—	—	8.50E-02	mg/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.81	—	—	8.50E-02	mg/L	—	J	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.53	—	—	8.50E-02	mg/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.54	—	—	8.50E-02	mg/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.89	—	—	8.50E-02	mg/L	—	J	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.62	—	—	8.50E-02	mg/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.81	—	—	8.50E-02	mg/L	—	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.96	—	—	5.18E-03	mg/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.096	—	—	5.00E-02	mg/L	J	J	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	5.00E-02	mg/L	U	U	10-1193	CALA-10-9151	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.05	—	—	1.00E-02	mg/L	U	U	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	5.00E-02	mg/L	U	U	09-599	CALA-09-1726	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.243	—	—	5.00E-02	ug/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	<	0.2	—	—	5.00E-02	ug/L	U	U	10-1193	CALA-10-9151	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	<	0.2	—	—	5.00E-02	ug/L	U	U	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	<	0.2	—	—	5.00E-02	ug/L	U	U	09-599	CALA-09-1726	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.53	—	—	5.00E-02	mg/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.67	—	—	5.00E-02	mg/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.05	—	—	5.00E-02	mg/L	E	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.57	—	—	5.00E-02	mg/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.64	—	—	5.00E-02	mg/L	—	—	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.14	—	—	5.00E-02	mg/L	E	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.7	—	—	5.00E-02	mg/L	—	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.38	—	—	1.65E-02	mg/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	24.8	—	—	1.00E-01	mg/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.9	—	—	1.00E-01	mg/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.7	—	—	4.50E-02	mg/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	25	—	—	1.00E-01	mg/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.3	—	—	1.00E-01	mg/L	—	—	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.1	—	—	4.50E-02	mg/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.3	—	—	4.50E-02	mg/L	—	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	20.3	—	—	1.44E-02	mg/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	308	—	—	1.00E+00	uS/cm	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	274	—	—	1.00E+00	uS/cm	—	—	10-1193	CALA-10-9151	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	285	—	—	1.00E+00	uS/cm	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	286	—	—	1.00E+00	uS/cm	—	—	09-599	CALA-09-1726	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.8	—	—	1.00E-01	mg/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.2	—	—	1.00E-01	mg/L	—	—	10-1193	CALA-10-9151	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13	—	—	1.00E-01	mg/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13	—	—	1.00E-01	mg/L	—	J-	09-599	CALA-09-1726	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	189	—	—	2.40E+00	mg/L	—	J	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	183	—	—	2.40E+00	mg/L	—	—	10-1193	CALA-10-9151	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	190	—	—	2.40E+00	mg/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	—	09-599	CALA-09-1726	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.103	—	—	3.30E-02	mg/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	01/08/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.125	—	—	3.30E-02	mg/L	—	U	10-1192	CALA-10-9149	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.078	—	—	3.30E-02	mg/L	J	J-	09-2576	CALA-09-11139	GELC
R-9i	552	198.8	01/08/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	U	09-599	CALA-09-1727	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.06	—	—	2.90E-02	mg/L	J	J-	08-1817	CALA-08-13878	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.67	—	—	3.30E-01	mg/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	01/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.43	—	—	3.30E-01	mg/L	—	—	10-1192	CALA-10-9149	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.92	—	—	3.30E-01	mg/L	—	—	09-2576	CALA-09-11139	GELC
R-9i	552	198.8	01/08/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.09	—	—	3.30E-01	mg/L	—	—	09-599	CALA-09-1727	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.66	—	—	3.30E-01	mg/L	—	—	08-1817	CALA-08-13878	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.09	—	—	1.50E-02	mg/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.087	—	—	1.50E-02	mg/L	—	U	10-1193	CALA-10-9151	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.082	—	—	1.50E-02	mg/L	—	U	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.065	—	—	2.40E-02	mg/L	—	U	09-599	CALA-09-1726	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.01	—	—	1.00E-02	SU	H	J-	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.59	—	—	1.00E-02	SU	H	J-	10-1193	CALA-10-9151	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.52	—	—	1.00E-02	SU	H	J-	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.7	—	—	1.00E-02	SU	H	J-	09-599	CALA-09-1726	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.4	—	—	1.00E+00	ug/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	59.1	—	—	1.00E+00	ug/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.2	—	—	1.00E+00	ug/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.7	—	—	1.00E+00	ug/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	58.9	—	—	1.00E+00	ug/L	—	—	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.9	—	—	1.00E+00	ug/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65.1	—	—	1.00E+00	ug/L	—	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	75.4	—	—	2.22E-01	ug/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.2	—	—	1.50E+01	ug/L	J	J	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.7	—	—	1.50E+01	ug/L	J	J	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.00E+01	ug/L	J	J	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.50E+01	ug/L	J	J	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.2	—	—	1.50E+01	ug/L	J	J	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18	—	—	1.00E+01	ug/L	J	J	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	1.00E+01	ug/L	J	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	4.88E+00	ug/L	B	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.81	—	—	3.00E+00	ug/L	J	J	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	6	—	—	3.00E+00	ug/L	J	J	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	7.7	—	—	3.00E+00	ug/L	J	J	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.22	—	—	3.00E+00	ug/L	J	J	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	13.3	—	—	3.00E+00	ug/L	—	—	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	11.5	—	—	3.00E+00	ug/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	11.3	—	—	3.00E+00	ug/L	—	—	135661	GU0504G9iR101	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	2.06	—	—	1.39E+00	ug/L	B	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	368	—	—	3.00E+01	ug/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	262	—	—	2.50E+01	ug/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	442	—	—	3.00E+01	ug/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	83.2	—	—	3.00E+01	ug/L	J	J	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	381	—	—	2.50E+01	ug/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	54.8	—	—	1.80E+01	ug/L	J	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	453	—	—	1.26E+01	ug/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	41	—	—	2.00E+00	ug/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	244	—	—	2.00E+00	ug/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	81.2	—	—	2.00E+00	ug/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	44.3	—	—	2.00E+00	ug/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	245	—	—	2.00E+00	ug/L	—	—	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	81.8	—	—	2.00E+00	ug/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Metals	SW-846:6020	Manganese	—	284	—	—	1.00E+00	ug/L	E	J	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	663	—	—	2.96E-01	ug/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	11	—	—	1.00E-01	ug/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	13.6	—	—	1.00E-01	ug/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	14.3	—	—	1.00E-01	ug/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	10.7	—	—	1.00E-01	ug/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	14.7	—	—	1.00E-01	ug/L	—	—	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	14.6	—	—	1.00E-01	ug/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	14	—	—	1.00E-01	ug/L	—	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	11.6	—	—	1.43E+00	ug/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	123	—	—	2.50E+00	ug/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	91.8	—	—	5.00E-01	ug/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	139	—	—	5.00E-01	ug/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	127	—	—	2.50E+00	ug/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	99.8	—	—	5.00E-01	ug/L	—	—	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	149	—	—	5.00E-01	ug/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	—	21.3	—	—	1.00E+00	ug/L	—	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	—	11.9	—	—	6.90E-01	ug/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	30.9	—	—	5.30E-02	mg/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	01/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	33.8	—	—	5.30E-02	mg/L	—	—	10-1193	CALA-10-9151	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	34.9	—	—	5.30E-02	mg/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	01/08/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	30.1	—	—	3.20E-02	mg/L	—	—	09-599	CALA-09-1726	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	126	—	—	1.00E+00	ug/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	128	—	—	1.00E+00	ug/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	127	—	—	1.00E+00	ug/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	126	—	—	1.00E+00	ug/L	—	—	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	112	—	—	1.00E+00	ug/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	135	—	—	1.00E+00	ug/L	—	—	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	125	—	—	1.78E-01	ug/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	5.00E-02	ug/L	—	—	10-4306	CALA-10-25200	GELC
R-9i	552	198.8	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.748	—	—	5.00E-02	ug/L	—	—	09-2577	CALA-09-11142	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.48	—	—	5.00E-02	ug/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.787	—	—	5.00E-02	ug/L	—	—	09-2577	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	08-1818	CALA-08-13878	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	2.00E-02	ug/L	—	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.449	—	—	2.00E-02	ug/L	—	—	106760	GU0311G9iR101	GELC
R-9i	552	198.8	02/06/04	WG	UF	DUP	—	Metals	SW-846:6020	Uranium	—	0.483	—	—	2.00E-02	ug/L	—	—	106760	GU0311G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00133	2.53E-03	2.50E-02	—	pCi/L	U	U	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0000982	5.67E-04	3.50E-02	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	4.67E-03	3.80E-02	—	pCi/L	U	U	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00213	1.07E-03	2.50E-02	—	pCi/L	U	U	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0112	2.24E-03	3.50E-02	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	Alpha Spec	Americium-241	<	-0.00527	4.13E-03	4.70E-02	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-21	4.93E+00	4.12E+01	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	DUP	—	Rad	Alpha Spec	Americium-241	<	-0.00206	3.97E-03	3.70E-02	—	pCi/L	U	—	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.383	3.67E-01	3.70E+00	—	pCi/L	U	U	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.45	3.10E-01	2.80E+00	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.26	5.00E-01	4.20E+00	—	pCi/L	U	U	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.521	2.87E-01	3.00E+00	—	pCi/L	U	U	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.29	4.87E-01	2.45E+00	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.74	7.87E-01	7.70E+00	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.794	3.67E-01	3.90E+00	—	pCi/L	U	U	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.261	3.33E-01	3.40E+00	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.3	4.67E-01	5.20E+00	—	pCi/L	U	U	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.188	2.90E-01	3.00E+00	—	pCi/L	U	U	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.955	2.49E-01	2.95E+00	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	6.48	8.00E-01	9.62E+00	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.57	3.67E-01	2.80E+00	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.94	3.33E-01	1.90E+00	—	pCi/L	—	—	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.63	1.84E-01	1.90E+00	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.735	1.20E-01	1.24E+00	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	02/06/04	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.704	1.40E-01	1.57E+00	—	pCi/L	U	U	106760	GU0311G9iR101	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.25	2.30E-01	2.20E+00	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.98	3.67E-01	2.80E+00	—	pCi/L	—	—	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.53	2.53E-01	2.35E+00	—	pCi/L	—	J	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.8	1.43E-01	1.28E+00	—	pCi/L	—	J	114323	GU0405G9iR101	GELC
R-9i	552	198.8	02/06/04	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.54	2.44E-01	2.58E+00	—	pCi/L	—	J	106760	GU0311G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	15.4	4.33E+00	2.70E+01	—	pCi/L	U	U	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	2.01	3.67E-01	9.40E+00	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	7.1	2.47E+00	1.00E+01	—	pCi/L	U	U	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	19.9	1.03E+01	3.50E+01	—	pCi/L	U	U	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	92	3.87E+01	2.61E+02	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	200	7.43E+01	7.06E+02	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.25	3.07E+00	2.60E+01	—	pCi/L	U	U	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.29	6.67E-01	6.80E+00	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-17	3.33E+00	3.20E+01	—	pCi/L	U	U	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.43	2.87E+00	2.40E+01	—	pCi/L	U	U	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.09	2.00E+00	2.11E+01	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	25.1	4.97E+00	5.36E+01	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00432	1.43E-03	3.00E-02	—	pCi/L	U	U	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00196	1.13E-03	1.70E-02	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0191	2.90E-03	3.40E-02	—	pCi/L	U	U	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00235	1.10E-03	3.30E-02	—	pCi/L	U	U	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0129	4.73E-03	3.80E-02	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-238	<	0.00229	3.97E-03	3.60E-02	—	pCi/L	U	U	114323	GU0405G9iR101	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0129	2.27E-03	3.70E-02	—	pCi/L	U	U	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00196	1.73E-03	2.90E-02	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00212	2.90E-03	4.20E-02	—	pCi/L	U	U	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00235	1.37E-03	4.00E-02	—	pCi/L	U	U	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00185	3.73E-03	3.20E-02	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	<	0.00229	1.32E-03	3.70E-02	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	31.5	4.67E+00	5.20E+01	—	pCi/L	U	U	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	3.7	5.00E+00	5.20E+01	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.4	6.00E+00	6.10E+01	—	pCi/L	U	U	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.47	5.67E+00	3.90E+01	—	pCi/L	U	U	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	13.3	6.07E+00	2.73E+01	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25	7.53E+00	8.91E+01	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.284	4.00E-01	3.80E+00	—	pCi/L	U	U	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.869	3.23E-01	3.00E+00	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.911	5.00E-01	4.20E+00	—	pCi/L	U	U	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.51	3.67E-01	3.10E+00	—	pCi/L	U	U	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.1	2.44E-01	2.93E+00	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	9.56	1.39E+00	7.92E+00	—	pCi/L	UI	R	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0481	3.30E-02	3.90E-01	—	pCi/L	U	U	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0254	4.67E-02	4.90E-01	—	pCi/L	U	U	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.182	3.67E-02	3.50E-01	—	pCi/L	U	U	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.284	3.33E-02	4.30E-01	—	pCi/L	U	U	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0952	2.21E-02	2.18E-01	—	pCi/L	U	U	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	GFPC	Strontium-90	<	0.143	1.63E-02	1.44E-01	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.46	1.97E-02	1.60E-01	—	pCi/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.584	1.67E-02	4.40E-02	—	pCi/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.353	1.33E-02	1.10E-01	—	pCi/L	—	—	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.525	1.97E-02	1.40E-01	—	pCi/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.894	2.11E-02	7.20E-02	—	pCi/L	—	J	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	0.215	1.01E-02	8.80E-02	—	pCi/L	—	J	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0112	5.33E-03	8.30E-02	—	pCi/L	U	U	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0322	2.87E-03	2.10E-02	—	pCi/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00688	2.80E-03	5.20E-02	—	pCi/L	U	U	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0208	4.33E-03	7.70E-02	—	pCi/L	U	U	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0882	5.40E-03	4.40E-02	—	pCi/L	—	J	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	<	0.0432	5.27E-03	5.30E-02	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	552	198.8	08/29/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.334	1.60E-02	8.10E-02	—	pCi/L	—	—	08-1818	CALA-08-13875	GELC
R-9i	552	198.8	08/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.394	1.23E-02	2.70E-02	—	pCi/L	—	—	10-4306	CALA-10-25201	GELC
R-9i	552	198.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.273	1.13E-02	5.30E-02	—	pCi/L	—	—	09-2578	CALA-09-11139	GELC
R-9i	552	198.8	08/29/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.319	1.43E-02	7.60E-02	—	pCi/L	—	—	08-1818	CALA-08-13878	GELC
R-9i	552	198.8	04/29/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.654	1.71E-02	5.10E-02	—	pCi/L	—	J	135661	GU0504G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-238	—	0.158	8.00E-03	6.20E-02	—	pCi/L	—	J	114323	GU0405G9iR101	GELC
R-9i	552	198.8	06/02/04	WG	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	275	4.23E+01	3.93E+02	—	pCi/L	U	U	114323	GU0405G9iR101	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	7.18	—	—	7.30E-01	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	8.86	—	—	7.30E-01	mg/L	—	—	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	9.37	—	—	7.30E-01	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	4.2	—	—	7.30E-01	mg/L	—	—	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.3	—	—	7.30E-01	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.6	—	—	7.30E-01	mg/L	—	—	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.5	—	—	7.30E-01	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.9	—	—	7.30E-01	mg/L	—	—	09-599	CALA-09-1730	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.024	—	—	1.60E-02	mg/L	J	J-	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.042	—	—	1.60E-02	mg/L	J	U	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.037	—	—	1.60E-02	mg/L	J	J-	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.7	—	—	5.00E-02	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.5	—	—	5.00E-02	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.7	—	—	3.00E-02	mg/L	—	—	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	3.00E-02	mg/L	—	—	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	5.54E-03	mg/L	—	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	5.54E-03	mg/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	12.7	—	—	6.60E-02	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	<	10.7	—	—	6.60E-02	mg/L	—	U	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	12.4	—	—	6.60E-02	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	12.4	—	—	6.60E-02	mg/L	—	—	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.224	—	—	3.30E-02	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.284	—	—	3.30E-02	mg/L	—	—	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.241	—	—	3.30E-02	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.254	—	—	3.30E-02	mg/L	—	J-	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.2	—	—	3.50E-01	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	73	—	—	3.50E-01	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.4	—	—	3.50E-01	mg/L	—	—	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.7	—	—	3.50E-01	mg/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.9	—	—	3.50E-01	mg/L	—	—	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.4	—	—	3.50E-01	mg/L	—	—	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Geninorg	EPA:200.7	Hardness	—	56.5	—	—	5.54E-03	mg/L	—	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Geninorg	EPA:200.7	Hardness	—	56.4	—	—	5.54E-03	mg/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.45	—	—	8.50E-02	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.9	—	—	8.50E-02	mg/L	—	J	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.76	—	—	8.50E-02	mg/L	—	—	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.58	—	—	8.50E-02	mg/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.85	—	—	8.50E-02	mg/L	—	J	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.88	—	—	8.50E-02	mg/L	—	—	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.81	—	—	5.18E-03	mg/L	—	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.78	—	—	5.18E-03	mg/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.805	—	—	5.00E-02	mg/L	—	J	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.77	—	—	5.00E-02	mg/L	—	—	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.182	—	—	1.00E-02	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.605	—	—	5.00E-02	mg/L	—	—	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.36	—	—	2.50E-01	ug/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.08	—	—	2.50E-01	ug/L	—	—	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.37	—	—	2.00E-01	ug/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.07	—	—	2.00E-01	ug/L	—	—	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.04	—	—	5.00E-02	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.28	—	—	5.00E-02	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.91	—	—	5.00E-02	mg/L	—	—	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.14	—	—	5.00E-02	mg/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.24	—	—	5.00E-02	mg/L	—	—	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.88	—	—	5.00E-02	mg/L	—	—	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.54	—	—	1.65E-02	mg/L	—	—	106760	GU0311G9iR201	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.68	—	—	1.65E-02	mg/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.94	—	—	4.50E-02	mg/L	—	—	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.8	—	—	4.50E-02	mg/L	—	—	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.44E-02	mg/L	—	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.44E-02	mg/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	206	—	—	1.00E+00	uS/cm	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	198	—	—	1.00E+00	uS/cm	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	199	—	—	1.00E+00	uS/cm	—	—	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	14.1	—	—	1.00E-01	mg/L	—	J+	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.2	—	—	1.00E-01	mg/L	—	—	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	14.1	—	—	1.00E-01	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	14.8	—	—	1.00E-01	mg/L	—	J-	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	135	—	—	2.40E+00	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	126	—	—	2.40E+00	mg/L	—	—	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.957	—	—	3.30E-01	mg/L	J	J	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	01/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.2	—	—	3.30E-01	mg/L	—	—	10-1192	CALA-10-9154	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.494	—	—	3.30E-01	mg/L	J	J	09-2576	CALA-09-11146	GELC
R-9i	602	278.8	01/08/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.07	—	—	3.30E-01	mg/L	—	—	09-599	CALA-09-1729	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	08-1825	CALA-08-13881	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.136	—	—	1.50E-02	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.188	—	—	1.50E-02	mg/L	—	J	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.142	—	—	1.50E-02	mg/L	—	U	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.133	—	—	2.40E-02	mg/L	—	U	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.74	—	—	1.00E-02	SU	H	J-	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.97	—	—	1.00E-02	SU	H	J-	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.97	—	—	1.00E-02	SU	H	J-	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.77	—	—	1.00E-02	SU	H	J-	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	299	—	—	6.80E+01	ug/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	163	—	—	6.80E+01	ug/L	J	J	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	84.6	—	—	1.47E+01	ug/L	B	R	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	46.4	—	—	1.47E+01	ug/L	B	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.1	—	—	1.00E+00	ug/L	*	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	ug/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.1	—	—	1.00E+00	ug/L	—	—	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.7	—	—	1.00E+00	ug/L	*	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25	—	—	1.00E+00	ug/L	—	—	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.6	—	—	1.00E+00	ug/L	—	—	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.5	—	—	2.22E-01	ug/L	—	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47	—	—	2.22E-01	ug/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	1.50E+01	ug/L	J	J	10-4337	CALA-10-25203	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.4	—	—	1.50E+01	ug/L	J	J	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	ug/L	U	U	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.9	—	—	1.50E+01	ug/L	J	J	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	10	—	—	1.00E+01	ug/L	J	J	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.9	—	—	4.88E+00	ug/L	B	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	31.4	—	—	4.88E+00	ug/L	B	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.56	—	—	2.50E+00	ug/L	J	J	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.7	—	—	1.50E+00	ug/L	J	J	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	3.7	—	—	5.03E-01	ug/L	B	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	0.941	—	—	5.03E-01	ug/L	B	JN-	64510	GU0207G9iR201	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.42	—	—	3.00E+00	ug/L	J	J	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	2.1	—	—	1.39E+00	ug/L	B	J-	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	1.78	—	—	1.39E+00	ug/L	B	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.53	—	—	2.00E+00	ug/L	J	J	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	18.6	—	—	2.00E+00	ug/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	19.6	—	—	2.00E+00	ug/L	—	—	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.11	—	—	2.00E+00	ug/L	J	J	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	18.5	—	—	2.00E+00	ug/L	—	—	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	18.4	—	—	2.00E+00	ug/L	—	—	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	222	—	—	2.96E-01	ug/L	—	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	382	—	—	2.96E-01	ug/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.8	—	—	1.00E-01	ug/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.36	—	—	1.00E-01	ug/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.1	—	—	1.00E-01	ug/L	—	J	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.86	—	—	1.00E-01	ug/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.45	—	—	1.00E-01	ug/L	—	—	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.7	—	—	1.00E-01	ug/L	—	J	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	4.68	—	—	1.43E+00	ug/L	B	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	9.1	—	—	1.43E+00	ug/L	B	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.94	—	—	5.00E-01	ug/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.12	—	—	5.00E-01	ug/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	7.4	—	—	5.00E-01	ug/L	—	—	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.58	—	—	5.00E-01	ug/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.2	—	—	5.00E-01	ug/L	—	—	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	7.9	—	—	5.00E-01	ug/L	—	—	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	—	19.4	—	—	6.90E-01	ug/L	—	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	—	20	—	—	6.90E-01	ug/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	35.6	—	—	5.30E-02	mg/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	01/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	31.4	—	—	5.30E-02	mg/L	—	—	10-1193	CALA-10-9156	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.7	—	—	5.30E-02	mg/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	01/08/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.8	—	—	3.20E-02	mg/L	—	—	09-599	CALA-09-1730	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	97.2	—	—	1.00E+00	ug/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	95.6	—	—	1.00E+00	ug/L	—	—	09-2577	CALA-09-11145	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	90.1	—	—	1.00E+00	ug/L	—	—	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99.6	—	—	1.00E+00	ug/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	96.1	—	—	1.00E+00	ug/L	—	—	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	88.6	—	—	1.00E+00	ug/L	—	—	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	84.9	—	—	1.78E-01	ug/L	—	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	85.3	—	—	1.78E-01	ug/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.72	—	—	5.00E-02	ug/L	—	—	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.67	—	—	5.00E-02	ug/L	—	—	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.74	—	—	5.00E-02	ug/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.373	—	—	2.00E-02	ug/L	—	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.079	—	—	2.00E-02	ug/L	B	R	64510	GU0207G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Uranium	<	15.6	—	—	1.56E+01	ug/L	U	UJ	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.82	—	—	1.00E+00	ug/L	J	J	10-4337	CALA-10-25203	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.81	—	—	1.00E+00	ug/L	J	J	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.4	—	—	1.00E+00	ug/L	J	J	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.87	—	—	1.00E+00	ug/L	J	J	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.41	—	—	1.00E+00	ug/L	J	J	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.4	—	—	1.00E+00	ug/L	J	J	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	0.606	—	—	6.06E-01	ug/L	U	UJ	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	0.606	—	—	6.06E-01	ug/L	U	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	07/08/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.64	—	—	3.30E+00	ug/L	J	J	09-2577	CALA-09-11145	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	5.1	—	—	2.00E+00	ug/L	J	U	08-1826	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.02	—	—	3.30E+00	ug/L	J	J	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.02	—	—	3.30E+00	ug/L	J	J	09-2577	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	6	—	—	2.00E+00	ug/L	J	U	08-1826	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	1.42	—	—	8.83E-01	ug/L	B	JN-	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.78	—	—	8.83E-01	ug/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00858	1.53E-03	2.40E-02	—	pCi/L	U	U	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00479	2.03E-03	3.10E-02	—	pCi/L	U	U	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0109	2.90E-03	3.40E-02	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00488	1.43E-03	2.60E-02	—	pCi/L	U	U	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-1.36	6.63E-01	6.19E+00	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	Alpha Spec	Americium-241	<	0.0096	1.70E-03	3.40E-02	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	0	4.60E+00	2.81E+01	—	pCi/L	UUI	R	64510	GU0207G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	Alpha Spec	Americium-241	—	0.0216	3.30E-03	3.08E-02	—	pCi/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.34	4.67E-01	4.90E+00	—	pCi/L	U	U	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.873	3.67E-01	3.40E+00	—	pCi/L	U	U	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.539	4.67E-01	4.40E+00	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.846	6.00E-01	6.10E+00	—	pCi/L	U	U	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.58	3.60E-01	4.28E+00	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.44	3.80E-01	4.34E+00	—	pCi/L	U	U	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.04	5.67E-01	5.20E+00	—	pCi/L	U	U	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0906	3.67E-01	3.60E+00	—	pCi/L	U	U	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0271	4.00E-01	3.80E+00	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.06	4.00E-01	4.80E+00	—	pCi/L	U	U	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.69	4.10E-01	5.08E+00	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.779	3.93E-01	4.64E+00	—	pCi/L	U	U	64510	GU0207G9iR201	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.87	2.90E-01	2.30E+00	—	pCi/L	U	U	10-4337	CALA-10-25204	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.03	2.20E-01	2.10E+00	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.176	1.26E-01	1.62E+00	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	02/06/04	WG	UF	DUP	—	Rad	EPA:900	Gross alpha	<	0.439	1.42E-01	1.70E+00	—	pCi/L	U	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.867	1.83E-01	1.90E+00	—	pCi/L	U	U	64510	GU0207G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	DUP	—	Rad	EPA:900	Gross alpha	—	2.77	2.47E-01	1.86E+00	—	pCi/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/06/01	WG	UF	CS	—	Rad	Gross Alpha	Gross alpha	—	0.664	6.83E-02	5.26E-01	—	pCi/L	J	—	9721R	GW9I-01-0011	STSL
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.08	2.27E-01	1.80E+00	—	pCi/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.635	2.53E-01	2.60E+00	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.24	2.67E-01	2.95E+00	—	pCi/L	—	J	106760	GU0311G9iR201	GELC
R-9i	602	278.8	02/06/04	WG	UF	DUP	—	Rad	EPA:900	Gross beta	—	4.78	2.36E-01	2.27E+00	—	pCi/L	—	—	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.22	1.58E-01	1.33E+00	—	pCi/L	—	J	64510	GU0207G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	DUP	—	Rad	EPA:900	Gross beta	—	4.35	1.79E-01	1.35E+00	—	pCi/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/06/01	WG	UF	CS	—	Rad	Gross Beta	Gross beta	—	4.11	1.32E-01	7.60E-01	—	pCi/L	—	—	9721R	GW9I-01-0011	STSL
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	44.2	9.67E+00	7.40E+01	—	pCi/L	U	U	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	13.7	1.83E+00	8.80E+00	—	pCi/L	—	U	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	30.3	7.33E+00	4.20E+01	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	17.6	6.00E+00	1.90E+01	—	pCi/L	U	U	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	80	2.34E+01	3.68E+02	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	116	2.99E+01	3.51E+02	—	pCi/L	U	U	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-18	3.17E+00	2.80E+01	—	pCi/L	U	U	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.77	7.00E-01	7.30E+00	—	pCi/L	U	U	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-24.1	4.00E+00	3.30E+01	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.3	3.33E+00	3.30E+01	—	pCi/L	U	U	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.823	1.56E+00	1.58E+01	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16	3.23E+00	3.19E+01	—	pCi/L	U	U	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0147	3.67E-03	4.50E-02	—	pCi/L	U	U	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0112	2.77E-03	1.70E-02	—	pCi/L	U	U	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0146	3.67E-03	3.30E-02	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00212	1.23E-03	3.20E-02	—	pCi/L	U	U	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-238	<	0	1.00E-03	2.90E-02	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-238	—	0.00181	1.35E-03	2.16E-02	—	pCi/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.97E-03	5.10E-02	—	pCi/L	U	U	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00186	1.63E-03	2.70E-02	—	pCi/L	U	U	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00417	2.20E-03	4.10E-02	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00211	1.00E-03	3.60E-02	—	pCi/L	U	U	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	<	0.00424	1.73E-03	2.60E-02	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	—	-0.00181	1.05E-03	2.38E-02	—	pCi/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.7	5.33E+00	5.50E+01	—	pCi/L	U	U	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.5	5.00E+00	4.90E+01	—	pCi/L	U	U	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.9	5.33E+00	5.60E+01	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.61	5.67E+00	5.90E+01	—	pCi/L	U	U	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	33.2	4.37E+00	3.31E+01	—	pCi/L	UI	R	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.44	7.60E+00	3.62E+01	—	pCi/L	U	U	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.11	3.67E-01	4.00E+00	—	pCi/L	U	U	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.679	3.67E-01	3.90E+00	—	pCi/L	U	U	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.3	5.00E-01	4.50E+00	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.286	4.33E-01	4.40E+00	—	pCi/L	U	U	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.557	4.17E-01	4.60E+00	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.28	3.83E-01	4.65E+00	—	pCi/L	U	U	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00765	3.00E-02	3.60E-01	—	pCi/L	U	U	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.18	5.00E-02	4.90E-01	—	pCi/L	U	U	10-4337	CALA-10-25204	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	1.21	5.67E-02	3.50E-01	—	pCi/L	—	—	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	07/08/09	WG	UF	RE	—	Rad	EPA:905.0	Strontium-90	<	-0.24	3.13E-02	4.20E-01	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.191	3.30E-02	4.40E-01	—	pCi/L	U	U	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	GFPC	Strontium-90	<	-0.042	1.90E-02	2.71E-01	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	02/06/04	WG	UF	DUP	—	Rad	GFPC	Strontium-90	<	-0.0127	1.76E-02	2.28E-01	—	pCi/L	U	—	106769	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	GFPC	Strontium-90	<	0.0315	2.08E-02	2.75E-01	—	pCi/L	U	U	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.82	2.20E-02	8.30E-02	—	pCi/L	—	—	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.701	1.93E-02	4.50E-02	—	pCi/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.715	2.20E-02	9.70E-02	—	pCi/L	—	—	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.678	1.83E-02	7.20E-02	—	pCi/L	—	—	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	0.118	6.87E-03	6.30E-02	—	pCi/L	—	J	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	0.072	5.30E-03	3.20E-02	—	pCi/L	—	J	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.033	4.33E-03	4.50E-02	—	pCi/L	U	U	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0406	3.33E-03	2.10E-02	—	pCi/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0251	3.03E-03	4.80E-02	—	pCi/L	U	U	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0415	3.67E-03	3.90E-02	—	pCi/L	—	—	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	<	0.00823	2.05E-03	3.60E-02	—	pCi/L	U	U	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	<	0.00344	2.34E-03	2.94E-02	—	pCi/L	U	U	64510	GU0207G9iR201	GELC
R-9i	602	278.8	09/02/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.546	1.63E-02	4.40E-02	—	pCi/L	—	—	08-1827	CALA-08-13882	GELC
R-9i	602	278.8	08/24/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.486	1.43E-02	2.70E-02	—	pCi/L	—	—	10-4337	CALA-10-25204	GELC
R-9i	602	278.8	07/08/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.521	1.73E-02	4.80E-02	—	pCi/L	—	—	09-2578	CALA-09-11146	GELC
R-9i	602	278.8	09/02/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.485	1.40E-02	3.80E-02	—	pCi/L	—	—	08-1827	CALA-08-13881	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	283	1.14E+01	9.62E+01	—	pCi/L	UI	R	106760	GU0311G9iR201	GELC
R-9i	602	278.8	02/06/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-238	—	0.0902	5.80E-03	4.00E-02	—	pCi/L	—	J	106760	GU0311G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	SW-846:6020	Uranium-238	—	0.078	—	—	1.80E-02	ug/L	—	—	64510	GU0207G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	Alpha Spec	Uranium-238	—	0.0276	3.37E-03	2.63E-02	—	pCi/L	—	J	64510	GU0207G9iR201	GELC
R-9i	602	278.8	07/29/02	WG	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	0	4.30E+01	2.12E+02	—	pCi/L	UUI	R	64510	GU0207G9iR201	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	92.3	—	—	7.30E-01	mg/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	91.8	—	—	7.30E-01	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.6	—	—	7.30E-01	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.9	—	—	7.30E-01	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	07/20/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	89	—	—	7.30E-01	mg/L	—	—	09-2692	CALA-09-11334	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	1.6	—	—	6.60E-02	mg/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.6	—	—	6.60E-02	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.38	—	—	6.60E-02	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.37	—	—	6.60E-02	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	07/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.24	—	—	6.60E-02	mg/L	—	—	09-2692	CALA-09-11334	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	36.1	—	—	5.00E-02	mg/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.7	—	—	5.00E-02	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	33.3	—	—	5.00E-02	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	33.9	—	—	5.00E-02	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	37.9	—	—	5.00E-02	mg/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	35.4	—	—	5.00E-02	mg/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.3	—	—	5.00E-02	mg/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.6	—	—	5.00E-02	mg/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	31	—	—	1.30E-01	mg/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.9	—	—	1.30E-01	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	25.3	—	—	3.30E-01	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	26.4	—	—	3.30E-01	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	07/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	25.6	—	—	3.30E-01	mg/L	—	—	09-2692	CALA-09-11334	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.165	—	—	3.30E-02	mg/L	—	—	10-4359	CALA-10-25209	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.172	—	—	3.30E-02	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.307	—	—	3.30E-02	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.137	—	—	3.30E-02	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	07/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.303	—	—	3.30E-02	mg/L	—	—	09-2692	CALA-09-11334	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	121	—	—	3.50E-01	mg/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	117	—	—	3.50E-01	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	112	—	—	3.50E-01	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	114	—	—	3.50E-01	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	127	—	—	3.50E-01	mg/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	119	—	—	3.50E-01	mg/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	115	—	—	3.50E-01	mg/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	116	—	—	3.50E-01	mg/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	7.51	—	—	8.50E-02	mg/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.29	—	—	8.50E-02	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.97	—	—	8.50E-02	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.15	—	—	8.50E-02	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	7.95	—	—	8.50E-02	mg/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.52	—	—	8.50E-02	mg/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.1	—	—	8.50E-02	mg/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.29	—	—	8.50E-02	mg/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.06	—	—	5.00E-02	mg/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.04	—	—	5.00E-02	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.96	—	—	5.00E-02	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.97	—	—	5.00E-02	mg/L	—	J	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.68	—	—	5.00E-02	ug/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.677	—	—	5.00E-02	ug/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.67	—	—	5.00E-02	ug/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.625	—	—	5.00E-02	ug/L	—	J+	10-726	CALA-10-6871	GELC
TA-53i	8801	600	07/20/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.582	—	—	5.00E-02	ug/L	—	—	09-2692	CALA-09-11334	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	5.38	—	—	5.00E-02	mg/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.18	—	—	5.00E-02	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.91	—	—	5.00E-02	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.11	—	—	5.00E-02	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	5.67	—	—	5.00E-02	mg/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.24	—	—	5.00E-02	mg/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.02	—	—	5.00E-02	mg/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.21	—	—	5.00E-02	mg/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	1.00E-01	mg/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	1.00E-01	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	1.00E-01	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	1.00E-01	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	17.3	—	—	1.00E-01	mg/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	1.00E-01	mg/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	339	—	—	1.00E+00	uS/cm	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	340	—	—	1.00E+00	uS/cm	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	332	—	—	1.00E+00	uS/cm	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	324	—	—	1.00E+00	uS/cm	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	07/20/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	323	—	—	1.00E+00	uS/cm	—	—	09-2692	CALA-09-11334	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	16.9	—	—	1.00E-01	mg/L	—	—	10-4359	CALA-10-25209	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17	—	—	1.00E-01	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	16.1	—	—	1.00E-01	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.9	—	—	1.00E-01	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	07/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.4	—	—	1.00E-01	mg/L	—	—	09-2692	CALA-09-11334	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	249	—	—	2.40E+00	mg/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	252	—	—	2.40E+00	mg/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	235	—	—	2.40E+00	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	242	—	—	2.40E+00	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	07/20/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	231	—	—	2.40E+00	mg/L	—	—	09-2692	CALA-09-11334	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.063	—	—	3.30E-02	mg/L	J	J-	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.057	—	—	3.30E-02	mg/L	J	J-	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1168	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-725	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	3.11	—	—	3.30E-01	mg/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.11	—	—	3.30E-01	mg/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.66	—	—	3.30E-01	mg/L	—	—	10-1168	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.8	—	—	3.30E-01	mg/L	—	—	10-725	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.39	—	—	1.00E-02	SU	H	J-	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.39	—	—	1.00E-02	SU	H	J-	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.48	—	—	1.00E-02	SU	H	J-	10-726	CALA-10-6871	GELC
TA-53i	8801	600	07/20/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.28	—	—	1.00E-02	SU	H	J-	09-2692	CALA-09-11334	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	107	—	—	6.80E+01	ug/L	J	J	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	40.1	—	—	1.00E+00	ug/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.8	—	—	1.00E+00	ug/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39	—	—	1.00E+00	ug/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.8	—	—	1.00E+00	ug/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	40.8	—	—	1.00E+00	ug/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40.6	—	—	1.00E+00	ug/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40.6	—	—	1.00E+00	ug/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41	—	—	1.00E+00	ug/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	27.4	—	—	1.50E+01	ug/L	J	J	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.8	—	—	1.50E+01	ug/L	J	J	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.1	—	—	1.50E+01	ug/L	J	J	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.4	—	—	1.50E+01	ug/L	J	J	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	26.7	—	—	1.50E+01	ug/L	J	J	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.5	—	—	1.50E+01	ug/L	J	J	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.5	—	—	1.50E+01	ug/L	J	J	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.8	—	—	1.50E+01	ug/L	J	J	10-726	CALA-10-6870	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	8.84	—	—	2.50E+00	ug/L	J	U	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.33	—	—	2.50E+00	ug/L	J	J	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	22.2	—	—	2.50E+00	ug/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	23.1	—	—	2.50E+00	ug/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.8	—	—	2.50E+00	ug/L	—	J	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.3	—	—	2.50E+00	ug/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.29	—	—	1.00E+00	ug/L	J	J	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-1169	CALA-10-9194	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-726	CALA-10-6871	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6010B	Copper	—	4.74	—	—	3.00E+00	ug/L	J	J	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.78	—	—	3.00E+00	ug/L	J	J	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.92	—	—	3.00E+00	ug/L	J	J	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.61	—	—	3.00E+00	ug/L	J	J	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Metals	SW-846:6010B	Iron	—	35.6	—	—	3.00E+01	ug/L	J	J	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	59.3	—	—	3.00E+01	ug/L	J	J	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	70.7	—	—	3.00E+01	ug/L	J	J	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	212	—	—	3.00E+01	ug/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	203	—	—	3.00E+01	ug/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	322	—	—	3.00E+01	ug/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	154	—	—	3.00E+01	ug/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	6.67	—	—	2.00E+00	ug/L	J	J	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.43	—	—	2.00E+00	ug/L	J	J	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.47	—	—	2.00E+00	ug/L	J	J	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	9.68	—	—	2.00E+00	ug/L	J	J	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	7	—	—	2.00E+00	ug/L	J	J	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.02	—	—	2.00E+00	ug/L	J	J	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.8	—	—	2.00E+00	ug/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.3	—	—	2.00E+00	ug/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	93.9	—	—	1.00E-01	ug/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	97.2	—	—	1.00E-01	ug/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	89.6	—	—	1.00E-01	ug/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	87.5	—	—	1.00E-01	ug/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	94.9	—	—	1.00E-01	ug/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	99.7	—	—	1.00E-01	ug/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	89.6	—	—	1.00E-01	ug/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	87.6	—	—	1.00E-01	ug/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	11.2	—	—	5.00E-01	ug/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	11.7	—	—	5.00E-01	ug/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	21.6	—	—	5.00E-01	ug/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	21.5	—	—	5.00E-01	ug/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	10.9	—	—	5.00E-01	ug/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.7	—	—	5.00E-01	ug/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	30.2	—	—	5.00E-01	ug/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	21.9	—	—	5.00E-01	ug/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Metals	SW-846:6020	Selenium	—	1.28	—	—	1.00E+00	ug/L	J	J	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.45	—	—	1.00E+00	ug/L	J	J	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	2.61	—	—	1.00E+00	ug/L	J	J	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.05	—	—	1.00E+00	ug/L	J	J	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6020	Selenium	—	1.56	—	—	1.00E+00	ug/L	J	J	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.14	—	—	1.00E+00	ug/L	J	J	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	2.09	—	—	1.00E+00	ug/L	J	J	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	66	—	—	5.30E-02	mg/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.9	—	—	5.30E-02	mg/L	—	—	10-4359	CALA-10-25208	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.7	—	—	5.30E-02	mg/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.9	—	—	5.30E-02	mg/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	203	—	—	1.00E+00	ug/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	194	—	—	1.00E+00	ug/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	182	—	—	1.00E+00	ug/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	189	—	—	1.00E+00	ug/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	213	—	—	1.00E+00	ug/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	198	—	—	1.00E+00	ug/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	187	—	—	1.00E+00	ug/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	191	—	—	1.00E+00	ug/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.813	—	—	5.00E-02	ug/L	—	—	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.849	—	—	5.00E-02	ug/L	—	—	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.777	—	—	5.00E-02	ug/L	—	—	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.898	—	—	5.00E-02	ug/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.825	—	—	5.00E-02	ug/L	—	—	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.845	—	—	5.00E-02	ug/L	—	—	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.823	—	—	5.00E-02	ug/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.923	—	—	5.00E-02	ug/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.48	—	—	1.00E+00	ug/L	J	J	10-4359	CALA-10-25209	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.61	—	—	1.00E+00	ug/L	J	J	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.6	—	—	1.00E+00	ug/L	J	J	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.04	—	—	1.00E+00	ug/L	J	J	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.57	—	—	1.00E+00	ug/L	J	J	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.57	—	—	1.00E+00	ug/L	J	J	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.92	—	—	1.00E+00	ug/L	J	J	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.44	—	—	1.00E+00	ug/L	J	J	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.44	—	—	3.30E+00	ug/L	J	J	10-4359	CALA-10-25208	GELC
TA-53i	8801	600	01/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.75	—	—	3.30E+00	ug/L	J	J	10-1169	CALA-10-9194	GELC
TA-53i	8801	600	11/30/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.8	—	—	3.30E+00	ug/L	—	—	10-726	CALA-10-6871	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	5.54	—	—	3.30E+00	ug/L	J	J	10-4359	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.99	—	—	3.30E+00	ug/L	J	J	10-4359	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.7	—	—	3.30E+00	ug/L	—	—	10-1169	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.3	—	—	3.30E+00	ug/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.00497	8.00E-04	3.40E-02	—	pCi/L	U	U	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00763	1.83E-03	4.50E-02	—	pCi/L	U	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000249	5.33E-04	2.40E-02	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00379	1.13E-03	3.00E-02	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	2.8	4.67E-01	5.30E+00	—	pCi/L	U	U	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.839	4.67E-01	4.80E+00	—	pCi/L	U	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.45	5.33E-01	5.60E+00	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.49	4.33E-01	4.60E+00	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	-1.38	5.00E-01	4.40E+00	—	pCi/L	U	U	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.547	4.67E-01	4.40E+00	—	pCi/L	U	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.271	4.67E-01	4.40E+00	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.21	4.00E-01	4.30E+00	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.29	2.87E-01	2.80E+00	—	pCi/L	U	U	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.509	2.30E-01	2.50E+00	—	pCi/L	U	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.62	2.63E-01	2.20E+00	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.195	2.03E-01	3.00E+00	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	3.43	3.33E-01	3.00E+00	—	pCi/L	—	—	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.58	2.67E-01	2.10E+00	—	pCi/L	—	—	10-4358	CALA-10-25207	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.61	3.27E-01	2.80E+00	—	pCi/L	—	—	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.19	3.30E-01	2.40E+00	—	pCi/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	—	21.3	2.27E+00	1.80E+01	—	pCi/L	—	—	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	27.8	3.67E+00	2.00E+01	—	pCi/L	—	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	153	1.37E+01	1.00E+02	—	pCi/L	—	—	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	56.5	8.33E+00	6.40E+01	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-1.51	9.67E-01	9.40E+00	—	pCi/L	U	U	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.457	8.00E-01	7.60E+00	—	pCi/L	U	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	28.1	4.67E+00	4.40E+01	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.71	3.23E+00	3.10E+01	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-2.57E-10	1.00E-03	2.40E-02	—	pCi/L	U	U	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00198	9.33E-04	2.20E-02	—	pCi/L	U	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00482	9.33E-04	2.20E-02	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-8.92E-09	6.33E-03	3.40E-02	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.00215	1.23E-03	3.50E-02	—	pCi/L	U	U	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-1.89E-09	2.80E-03	3.20E-02	—	pCi/L	U	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00321	7.67E-04	2.30E-02	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00702	2.07E-03	3.70E-02	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	19	5.67E+00	6.60E+01	—	pCi/L	U	U	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-19.5	6.67E+00	7.00E+01	—	pCi/L	U	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.438	7.00E+00	6.80E+01	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.8	5.67E+00	5.80E+01	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	0.296	4.67E-01	4.80E+00	—	pCi/L	U	U	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.627	5.00E-01	4.60E+00	—	pCi/L	U	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.216	4.33E-01	4.40E+00	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.975	4.67E-01	5.00E+00	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.0609	4.33E-02	4.90E-01	—	pCi/L	U	U	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.285	5.00E-02	5.00E-01	—	pCi/L	U	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.359	5.67E-02	5.30E-01	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.143	4.67E-02	4.80E-01	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.631	2.20E-02	9.20E-02	—	pCi/L	—	—	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.643	2.03E-02	6.80E-02	—	pCi/L	—	—	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.585	1.90E-02	7.50E-02	—	pCi/L	—	—	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.632	2.20E-02	1.10E-01	—	pCi/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.00425	1.43E-03	4.70E-02	—	pCi/L	U	U	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0094	2.33E-03	3.40E-02	—	pCi/L	U	U	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0263	3.17E-03	4.20E-02	—	pCi/L	U	U	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00853	2.03E-03	5.90E-02	—	pCi/L	U	U	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.306	1.33E-02	4.10E-02	—	pCi/L	—	—	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.248	1.03E-02	3.00E-02	—	pCi/L	—	—	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.29	1.17E-02	4.90E-02	—	pCi/L	—	—	10-1170	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.28	1.23E-02	7.10E-02	—	pCi/L	—	—	10-726	CALA-10-6870	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	FD	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	2.59	—	—	2.20E+00	ug/L	J	J	10-4358	CALA-10-25210	GELC
TA-53i	8801	600	08/25/10	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	2.4	—	—	2.20E+00	ug/L	J	J	10-4358	CALA-10-25207	GELC
TA-53i	8801	600	01/07/10	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	2.91	—	—	2.30E+00	ug/L	J	J	10-1168	CALA-10-9193	GELC
TA-53i	8801	600	11/30/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	2.2	—	—	2.10E+00	ug/L	J	J	10-725	CALA-10-6870	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.8	—	—	7.30E-01	mg/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.1	—	—	7.30E-01	mg/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.148	—	—	6.60E-02	mg/L	J	J	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.102	—	—	6.60E-02	mg/L	J	J	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.9	—	—	5.00E-02	mg/L	—	—	10-4310	CAPU-10-25282	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	37	—	—	5.00E-02	mg/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	37.7	—	—	5.00E-02	mg/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.5	—	—	5.00E-02	mg/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	46	—	—	3.30E-01	mg/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	46.5	—	—	3.30E-01	mg/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.21	—	—	3.30E-02	mg/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.196	—	—	3.30E-02	mg/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	121	—	—	3.50E-01	mg/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	122	—	—	3.50E-01	mg/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	123	—	—	3.50E-01	mg/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	120	—	—	3.50E-01	mg/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.01	—	—	8.50E-02	mg/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.04	—	—	8.50E-02	mg/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.11	—	—	8.50E-02	mg/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.11	—	—	8.50E-02	mg/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.13	—	—	1.00E-01	mg/L	—	J	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.05	—	—	1.00E-01	mg/L	—	J	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.565	—	—	5.00E-02	ug/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.521	—	—	5.00E-02	ug/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.28	—	—	5.00E-02	mg/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.26	—	—	5.00E-02	mg/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.28	—	—	5.00E-02	mg/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.7	—	—	1.00E-01	mg/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.5	—	—	1.00E-01	mg/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	24.1	—	—	1.00E-01	mg/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.2	—	—	1.00E-01	mg/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	382	—	—	1.00E+00	uS/cm	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	391	—	—	1.00E+00	uS/cm	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	24.5	—	—	1.00E-01	mg/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	24	—	—	1.00E-01	mg/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	285	—	—	2.40E+00	mg/L	—	J	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	292	—	—	2.40E+00	mg/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.138	—	—	3.30E-02	mg/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-2975	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.62	—	—	3.30E-01	mg/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.774	—	—	3.30E-01	mg/L	J	J	10-2975	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.131	—	—	1.50E-02	mg/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.314	—	—	1.50E-02	mg/L	—	J	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.25	—	—	1.00E-02	SU	H	J-	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7	—	—	1.00E-02	SU	H	J-	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	170	—	—	6.80E+01	ug/L	J	J	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	68.2	—	—	6.80E+01	ug/L	J	J	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	59.4	—	—	1.00E+00	ug/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	59.2	—	—	1.00E+00	ug/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.2	—	—	1.00E+00	ug/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	59	—	—	1.00E+00	ug/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	179	—	—	1.50E+01	ug/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	182	—	—	1.50E+01	ug/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	180	—	—	1.50E+01	ug/L	—	—	10-4310	CAPU-10-25281	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	184	—	—	1.50E+01	ug/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.15	—	—	2.00E+00	ug/L	J	J	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.97	—	—	2.00E+00	ug/L	J	J	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.44	—	—	2.00E+00	ug/L	J	J	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.29	—	—	2.00E+00	ug/L	J	J	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.84	—	—	1.00E-01	ug/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.94	—	—	1.00E-01	ug/L	—	J	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.65	—	—	1.00E-01	ug/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.91	—	—	1.00E-01	ug/L	—	J	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.83	—	—	5.00E-01	ug/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.78	—	—	5.00E-01	ug/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.79	—	—	5.00E-01	ug/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.36	—	—	5.00E-01	ug/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.1	—	—	5.30E-02	mg/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	5.30E-02	mg/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	206	—	—	1.00E+00	ug/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	202	—	—	1.00E+00	ug/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	210	—	—	1.00E+00	ug/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	199	—	—	1.00E+00	ug/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.37	—	—	5.00E-02	ug/L	—	—	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.256	—	—	5.00E-02	ug/L	—	—	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.23	—	—	5.00E-02	ug/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.238	—	—	5.00E-02	ug/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.28	—	—	1.00E+00	ug/L	J	J	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.72	—	—	1.00E+00	ug/L	J	J	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.59	—	—	1.00E+00	ug/L	J	J	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.02	—	—	1.00E+00	ug/L	J	J	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.31	—	—	3.30E+00	ug/L	J	J	10-4310	CAPU-10-25282	GELC
TW-2Ar	9081	102	04/29/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.22	—	—	3.30E+00	ug/L	J	J	10-2976	CALA-10-16927	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.92	—	—	3.30E+00	ug/L	J	J	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0103	2.23E-03	4.70E-02	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0128	1.53E-03	2.30E-02	—	pCi/L	U	U	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.32	3.67E-01	3.30E+00	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.41	5.00E-01	4.50E+00	—	pCi/L	U	U	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.972	3.67E-01	3.30E+00	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.649	5.67E-01	5.40E+00	—	pCi/L	U	U	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.26	1.43E-01	2.60E+00	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.185	2.37E-01	2.90E+00	—	pCi/L	U	U	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.34	2.83E-01	2.80E+00	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.83	2.93E-01	2.60E+00	—	pCi/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	45.2	4.00E+00	7.00E+01	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	21.2	1.93E+00	1.50E+01	—	pCi/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.38	7.00E-01	7.00E+00	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.56	4.00E+00	3.70E+01	—	pCi/L	U	U	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00236	1.37E-03	2.10E-02	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00216	1.03E-03	4.00E-02	—	pCi/L	U	U	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00943	1.77E-03	3.40E-02	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00216	1.23E-03	2.60E-02	—	pCi/L	U	U	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-5.39	5.00E+00	4.90E+01	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.3	6.00E+00	5.80E+01	—	pCi/L	U	U	10-2976	CALA-10-16926	GELC

Table C-2: Los Alamos Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.158	3.67E-01	3.60E+00	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.219	4.00E-01	3.90E+00	—	pCi/L	U	U	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.192	5.00E-02	4.90E-01	—	pCi/L	U	U	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0275	4.33E-02	4.90E-01	—	pCi/L	U	U	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.195	7.67E-03	4.70E-02	—	pCi/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.221	1.03E-02	5.80E-02	—	pCi/L	—	—	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0283	2.60E-03	2.20E-02	—	pCi/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0111	2.13E-03	4.70E-02	—	pCi/L	U	U	10-2976	CALA-10-16926	GELC
TW-2Ar	9081	102	08/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.103	5.00E-03	2.90E-02	—	pCi/L	—	—	10-4310	CAPU-10-25281	GELC
TW-2Ar	9081	102	04/29/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0746	5.67E-03	4.20E-02	—	pCi/L	—	—	10-2976	CALA-10-16926	GELC

Appendix D

Analytical Chemistry Screening Results

The following pages provide (1) acronyms and abbreviations, (2) analytical laboratory qualifier codes, and (3) secondary validation codes. The secondary data validation summary is provided in Appendix F.

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
<	Based on qualifiers, the result was a nondetection.
–	none
CCV	continuing calibration verification
DCG	Derived Concentration Guide (DOE)
DNX	Dinitroso-RDX (or hexahydro 1,3-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
GW	groundwater
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
ICV	initial calibration verification
LAL	lower acceptance limit
LCS	laboratory control sample
Lvl	level
MCL	maximum contaminant level (EPA)
MDA	minimum detectable activity
MDC	minimum detectable concentration
MDL	method detection limit
MNX	mononitrosodimethylamine
MS	matrix spike
MSD	matrix spike duplicate
NM	NMWQCC
NMWQCC	New Mexico Water Quality Control Commission
PCB	polychlorinated biphenyl
Prelim	preliminary
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
Scr	screening
TDS	total dissolved solids
TNX	trinitroso-RDX
TPU	total propagated uncertainty
UAL	upper acceptance limit

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Field Matrix Codes	
WS	base flow
Field Prep Codes	
F	filtered
UF	unfiltered
Field QC Type Codes	
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
FTB	field trip blank
FTR	field triplicate
PEB	performance evaluation blank
Analytical Suite Codes	
GROSSA	gross alpha
GROSSB	gross beta
HEXP	high explosives
SVOA	semivolatile organic analysis
VOA	volatile organic analysis
Lab Sample Type Codes	
CS	client sample
DL	dilution
RE	reanalysis
Lab Codes	
ARSL	American Radiation Services–Primary
GELC	General Engineering Laboratories, Inc., Charleston, SC
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
UTML	University of Miami Tritium Lab

Analytical Laboratory Qualifier Codes

Code	Description
*	(Inorganic)—Duplicate analysis (relative percent difference) not within control limits.
J	(Inorganic)—The associated numerical value is an estimated quantity. (Organic)—The associated numerical value is an estimated quantity.
JP	See J code and see P code.
N*	See N code and see * code.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
U	The material was analyzed for but was not detected above the level of the associated numeric value.

Secondary Validation Codes

Flag Code	Description
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 positive bias.
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.
R	The reported sample result is classified as rejected because of serious noncompliances regarding QC acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.
U	The analyte is classified as not detected.
UJ	The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.

Secondary Validation Codes (continued)

Reason Code	Description
HE7c	The ICV and/or CCV were recovered outside the method limits. The % difference between the ICV and CCV standard concentrations and their true values shall be calculated and must be ≤ 20%. The evaluation of CCV data applies to all CCVs that bracket samples of interest. If the % difference was reported with the wrong sign (e.g., + % difference for negative bias), document the occurrence in the data validation report and assess any infractions using the correct sign. 1. If the % difference between a measured ICV and/or CCV concentration and its true value for any analyte is > 20%, qualify all associated detects as J+. 2. If the % difference between a measured ICV and/or CCV concentration and its true value for any analyte is > 20% but ≤ 40% and negative (low bias), qualify all associated detects as J-, and if any other calibration criteria have been exceeded for that compound, qualify all associated nondetects as UJ. 3. If the % difference between a measured ICV and/or CCV concentration and its true value for any analyte is > 40% but ≤ 60% and negative, qualify all associated detects as J and all associated nondetects as UJ. 4. If the % difference between a measured ICV and/or CCV concentration and its true value for any analyte is > 60% and is negative, qualify all associated detects as J- and all associated nondetects as R.
HE12f	If the MS/MSD percent recovery was > 130%, qualify all associated detects as J+.
I4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was greater than 5 times.
I6a	The associated MS recovery was less than the LAL but greater than 10%. Follow the external laboratory limits located within the associated data package.
I6b	The associated MS recovery was greater than the UAL. Follow the external laboratory limits located within the associated data package.
I10a	The sample and the duplicate sample results were ≥ 5 times the RL, and the duplicate RPD was > 20% for water samples and > 35% for soil samples.
J_LAB	Qualification of data via data validation did not occur based on QC requirements in this procedure. Adhere to the external laboratory qualifiers found within the Form I analytical data summary sheets generated by the external laboratory.
PE12f	The MS/MSD percent recovery was > 125%. Qualify all associated detects as J+.
R4	The sample result is ≤ 5 times the concentration of the related analyte in the method blank.
R5	The results for the affected analytes are considered not detected (U) because the associated sample concentration was less than or equal to the MDC.
R6a	The associated MS recovery was < 10%. Follow the external laboratory limits. MS/MSD is not applicable to gamma spectroscopy

Secondary Validation Codes (continued)

Reason Code	Description
R11	The results for the affected analytes should be regarded as not detected (U) because the associated sample concentration was less than 3 times the 1 sigma TPU.
SV7c	The ICV and/or CCV were recovered outside the method-specific limits.
SV12b	The LCS percent recovery was less than the UAL. Follow the external laboratory limits located within the associated data package.
SV88	Duplicate, dilution, or reanalysis.
U_LAB	Qualification of data via data validation did not occur based on QC requirements in this procedure. Adhere to the external laboratory qualifiers found within the Form I analytical data summary sheets generated by the external laboratory.
V7b	The affected analytes were analyzed with an RRF of < 0.05 in the initial calibration and/or CCV.
V7c	The ICV and/or CCV were recovered outside the method-specific limits.
V9	The extraction/analytical holding time is exceeded by < 2 times the published method for holding times.

Table D-1
Los Alamos Previously Unreported Groundwater Radionuclides

Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)
R-3i	SINGLE	215.2	07/22/09	GROSSA	UF	CS	—*	—	5.4	1.6	3.2	pCi/L	GELC	EPA:900	—	—	—	30	0.18	15	0.36
LAOI(a)-1.1	SINGLE	295.2	07/07/09	GROSSA	UF	CS	—	—	7.33	1.5	2.1	pCi/L	GELC	EPA:900	—	—	—	30	0.24	15	0.49
LLAO-4	SINGLE	5.24	07/08/09	GROSSA	UF	CS	—	—	16.3	2.5	2.2	pCi/L	GELC	EPA:900	—	—	—	30	0.54	15	1.09

* — = None.

Table D-2
Los Alamos Previously Unreported Groundwater Tritium

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Intermediate	LAOI(a)-1.1	SINGLE	295.2	01/13/10	H-3	UF	CS	—*	—	11.30	0.38	0.28737	—	pCi/L	UMTL	—	—	—
Intermediate	LADP-3	SINGLE	316	01/07/10	H-3	UF	CS	—	—	85.25	2.87	0.28737	—	pCi/L	UMTL	—	—	—
Intermediate	TA-53i	SINGLE	600	11/30/09	H-3	UF	CS	—	—	759.93	25.54	0.28737	—	pCi/L	UMTL	—	—	—
Intermediate	TA-53i	SINGLE	600	01/07/10	H-3	UF	CS	PEB	<	0.19	0.29	0.28737	—	pCi/L	UMTL	U	U	R5
Intermediate	TA-53i	SINGLE	600	01/07/10	H-3	UF	CS	FD	—	536.42	15.97	0.28737	—	pCi/L	UMTL	—	—	—
Intermediate	TA-53i	SINGLE	600	01/07/10	H-3	UF	CS	—	—	526.85	15.97	0.28737	—	pCi/L	UMTL	—	—	—
Intermediate	R-9i	MULTI	198.8	01/08/10	H-3	UF	CS	—	—	112.71	3.83	0.28737	—	pCi/L	UMTL	—	—	—
Intermediate	R-9i	MULTI	278.8	01/08/10	H-3	UF	CS	—	—	111.76	3.83	0.28737	—	pCi/L	UMTL	—	—	—
Regional	R-7	MULTI	915.1	01/14/10	H-3	UF	CS	—	—	0.93	0.29	0.28737	—	pCi/L	UMTL	—	—	—
Regional	R-6	SINGLE	1205	01/08/10	H-3	UF	CS	FD	<	-0.03	0.29	0.28737	—	pCi/L	UMTL	U	U	R5
Regional	R-6	SINGLE	1205	01/08/10	H-3	UF	CS	—	<	-0.06	0.29	0.28737	—	pCi/L	UMTL	U	U	R5
Regional	Test Well 3	SINGLE	805	01/12/10	H-3	UF	CS	—	—	3.16	0.29	0.28737	—	pCi/L	UMTL	—	—	—

* — = None.

Table D-3
Previously Unreported Los Alamos Surface-Water Radionuclides

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	NM Livestock Watering Scr Lvl	Ratio (Result/Screening Level)
WS	E056 Acid above Pueblo	07/09/09	GROSSA	UF	CS	—*	—	16.6	3	3.6	pCi/L	GELC	EPA:900	—	—	—	15	1.11

* — = None.

Table D-4
Previously Unreported Los Alamos Surface-Water Tritium

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
WS	Los Alamos Canyon near Otowi Bridge	01/13/10	H-3	UF	CS	—*	—	7.41	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—

* — = None.

Table D-5
Previously Unreported Los Alamos Surface-Water Perchlorate

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
WS	E110 Los Alamos Canyon near Otowi Bridge	01/13/10	—*	F	CS	ClO4	SW-846:6850	—	0.206	0.05	µg/L	1	—	—	—	GELC

* — = None.

Table D-6
Los Alamos Groundwater Radionuclides

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE Drinking Water DCG Scr Lvl	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)
Intermediate	LAOI(a)-1.1	SINGLE	295.2	08/19/10	GROSSA	UF	CS	—*	—	10.3	2.1	2.6	pCi/L	GELC	EPA:900	—	—	—	30	0.34	—	—	15	0.69
Intermediate	R-6i	SINGLE	602	08/19/10	H-3	UF	CS	—	—	3040	320	110	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.04	20000	0.15
Intermediate	LAOI-3.2	SINGLE	153.3	08/23/10	H-3	UF	CS	—	—	1330	150	120	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.02	20000	0.07
Intermediate	LAOI-3.2a	SINGLE	181.4	08/20/10	H-3	UF	CS	—	—	1700	190	120	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.02	20000	0.09
Intermediate	LAOI-7	SINGLE	240	08/26/10	H-3	UF	CS	—	—	754	95	120	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.01	20000	0.04

* — = None.

Table D-7
Los Alamos Groundwater Inorganics

Analyte	Zone	Location	Well Class	Port Depth (ft)	Date	Field Preparation Code	Field QC Type Code	Lab Sample Type Code	Symbol	Result	Uncertainty	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Consent Order Screening Level	Ratio (Result/Screening Level)
ClO4	Intermediate	R-6i	SINGLE	602	08/19/10	F	—*	CS	—	6.17	—	0.5	µg/L	GELC	—	—	—	4	1.54
ClO4	Intermediate	LAOI-3.2	SINGLE	153.3	08/23/10	F	—	CS	—	4.61	—	0.5	µg/L	GELC	—	—	—	4	1.15
ClO4	Intermediate	LAOI-3.2a	SINGLE	181.4	08/20/10	F	—	CS	—	2.84	—	0.25	µg/L	GELC	—	—	—	4	0.71
ClO4	Intermediate	R-9i	MULTI	278.8	08/24/10	F	—	CS	—	2.36	—	0.25	µg/L	GELC	—	—	—	4	0.59

* — = None.

Table D-8
Los Alamos Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Intermediate	TW-2Ar	SINGLE	102	08/23/10	—*	F	CS	ClO4	SW-846:6850	—	0.565	0.05	µg/L	1	—	—	—	GELC
Intermediate	LAOI(a)-1.1	SINGLE	295	08/19/10	—	F	CS	ClO4	SW-846:6850	—	0.207	0.05	µg/L	1	—	—	—	GELC
Intermediate	LADP-3	SINGLE	316	08/20/10	—	F	CS	ClO4	SW-846:6850	—	0.137	0.05	µg/L	1	J	J	J_LAB	GELC
Intermediate	R-6i	SINGLE	602	08/19/10	—	F	CS	ClO4	SW-846:6850	—	6.17	0.5	µg/L	10	—	—	—	GELC
Intermediate	TA-53i	SINGLE	600	08/25/10	PEB	UF	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Intermediate	TA-53i	SINGLE	600	08/25/10	—	F	CS	ClO4	SW-846:6850	—	0.677	0.05	µg/L	1	—	—	—	GELC
Intermediate	TA-53i	SINGLE	600	08/25/10	FD	F	CS	ClO4	SW-846:6850	—	0.68	0.05	µg/L	1	—	—	—	GELC
Intermediate	LAOI-3.2	SINGLE	153	08/23/10	—	F	CS	ClO4	SW-846:6850	—	4.61	0.5	µg/L	10	—	—	—	GELC
Intermediate	LAOI-3.2a	SINGLE	181	08/20/10	—	F	CS	ClO4	SW-846:6850	—	2.84	0.25	µg/L	5	—	—	—	GELC
Intermediate	LAOI-7	SINGLE	240	08/26/10	—	F	CS	ClO4	SW-846:6850	—	0.684	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-9i	MULTI	199	08/23/10	—	F	CS	ClO4	SW-846:6850	—	0.243	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-9i	MULTI	279	08/24/10	—	F	CS	ClO4	SW-846:6850	—	2.36	0.25	µg/L	5	—	—	—	GELC
Intermediate Spring	Campsite Springs	SPRING	—	08/30/10	—	F	CS	ClO4	SW-846:6850	—	0.286	0.05	µg/L	1	—	—	—	GELC

* — = None.

Table D-9
Los Alamos Groundwater Metals

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	LAOI(a)-1.1	SINGLE	295.2	08/19/10	Pb	UF	CS	—*	—	7.95	0.5	µg/L	GELC	—	—	—	SW-846:6020	15	0.53	—	—
Intermediate	R-9i	MULTI	198.8	08/23/10	Ni	F	CS	—	—	123	2.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	200	0.62

* — = None.

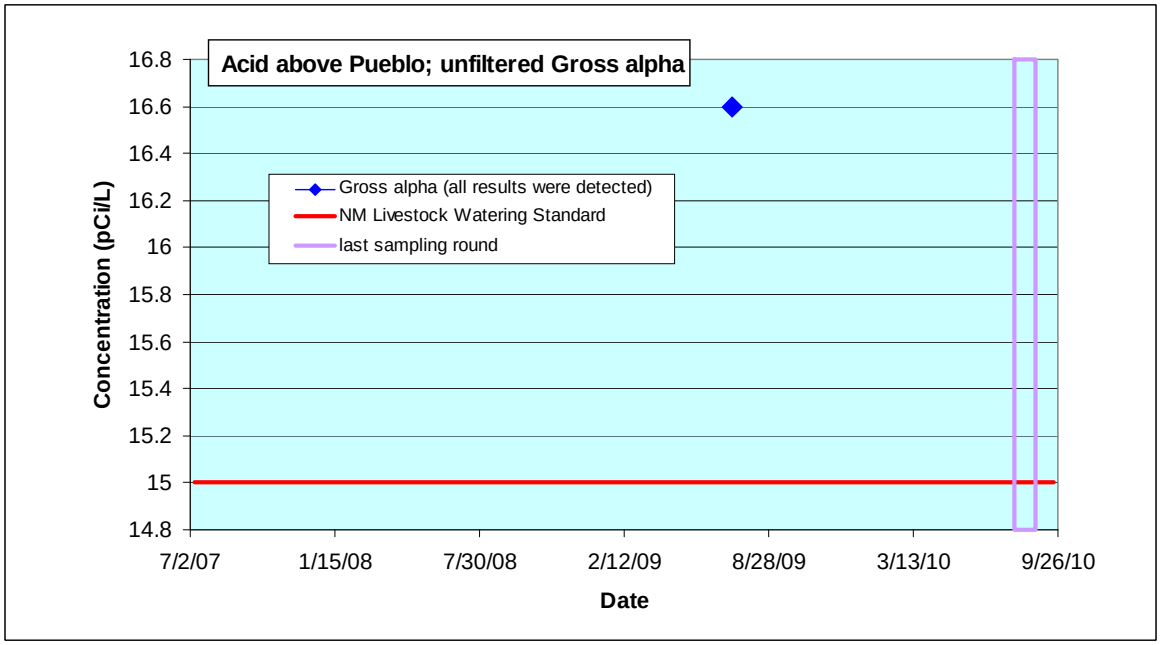
Table D-10
Los Alamos Groundwater Organics

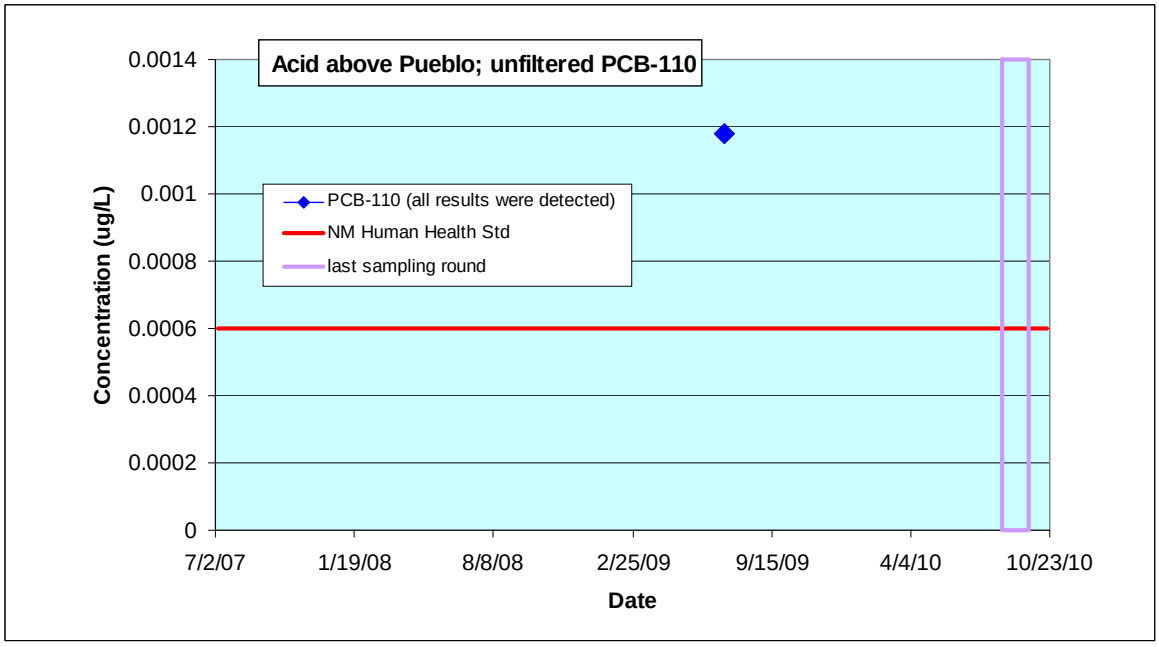
Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	LADP-3	SINGLE	316	08/20/10	—*	UF	CS	SVOA	Benzoic Acid	65-85-0	—	17.5	6	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	—	—	150000	—	—	—
Intermediate	R-6i	SINGLE	602	08/19/10	—	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	2.61	2.1	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	—	61	0.04	—	—	—	—
Intermediate	TA-53i	SINGLE	600	08/25/10	PEB	UF	CS	SVOA	Diethylphthalate	84-66-2	—	3.82	2.2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—	—
Intermediate	TA-53i	SINGLE	600	08/25/10	FD	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	2.59	2.2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	0.43	48	0.05	—	—	—	—	—
Intermediate	TA-53i	SINGLE	600	08/25/10	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	2.4	2.2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	0.4	48	0.05	—	—	—	—	—
Intermediate	LAOI-3.2a	SINGLE	181.4	08/20/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.47	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	0.01	1.9	0.25	—	—	100	—
Intermediate	LAOI-7	SINGLE	240	08/26/10	—	UF	CS	SVOA	Diethylphthalate	84-66-2	—	23.9	2.4	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—

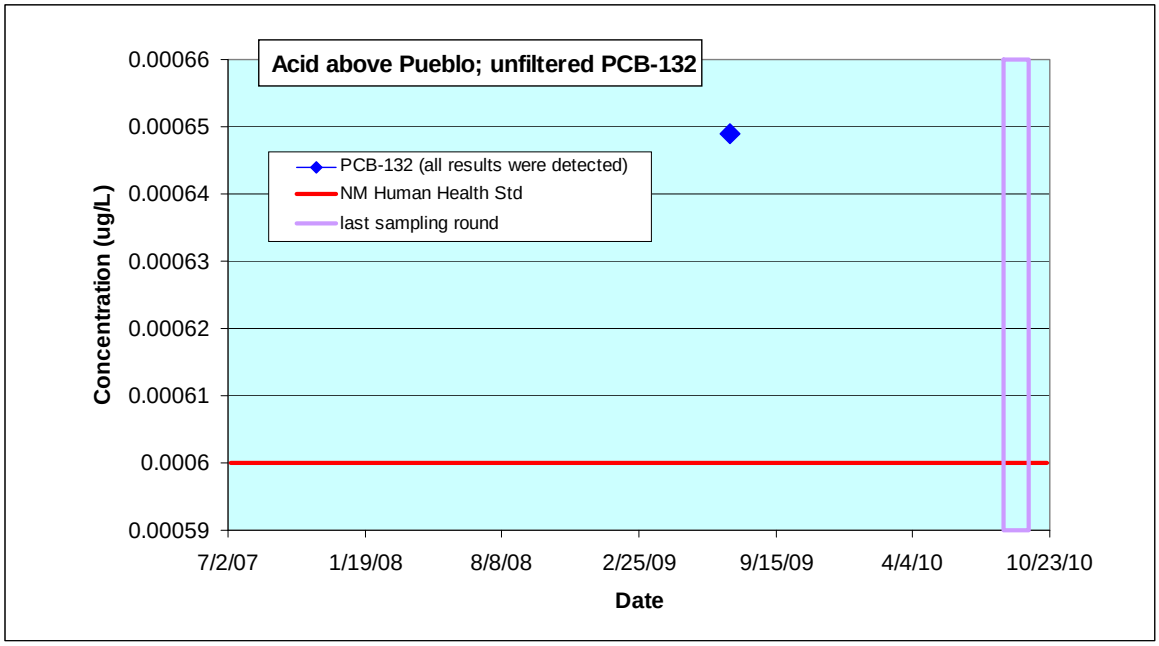
* — = None.

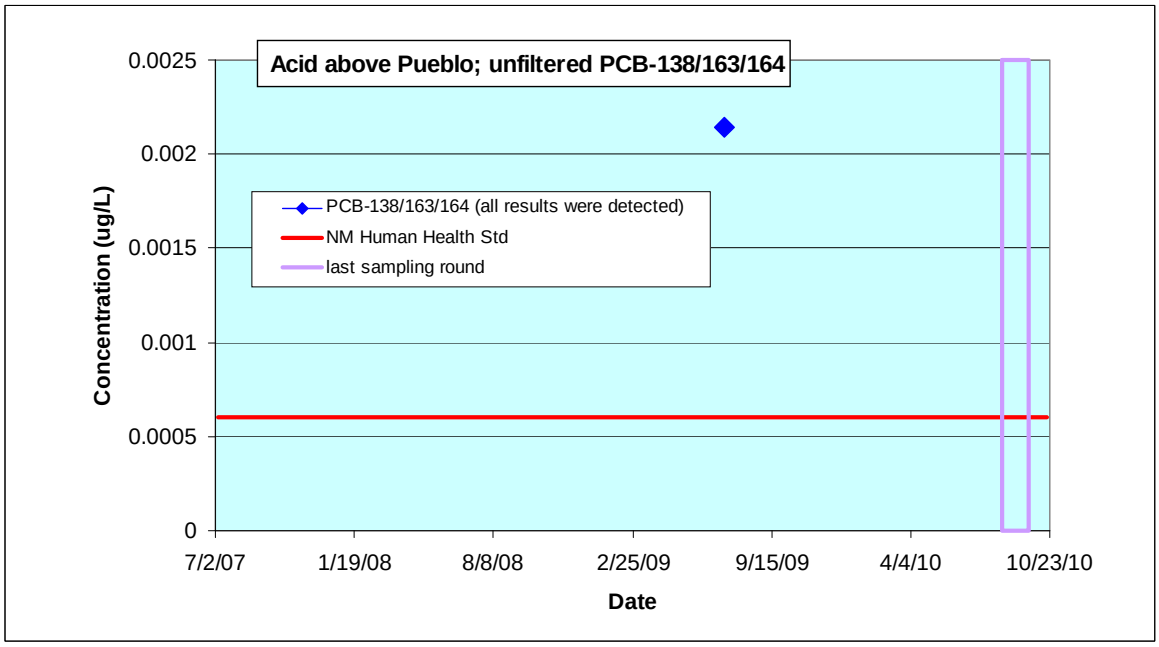
Appendix E

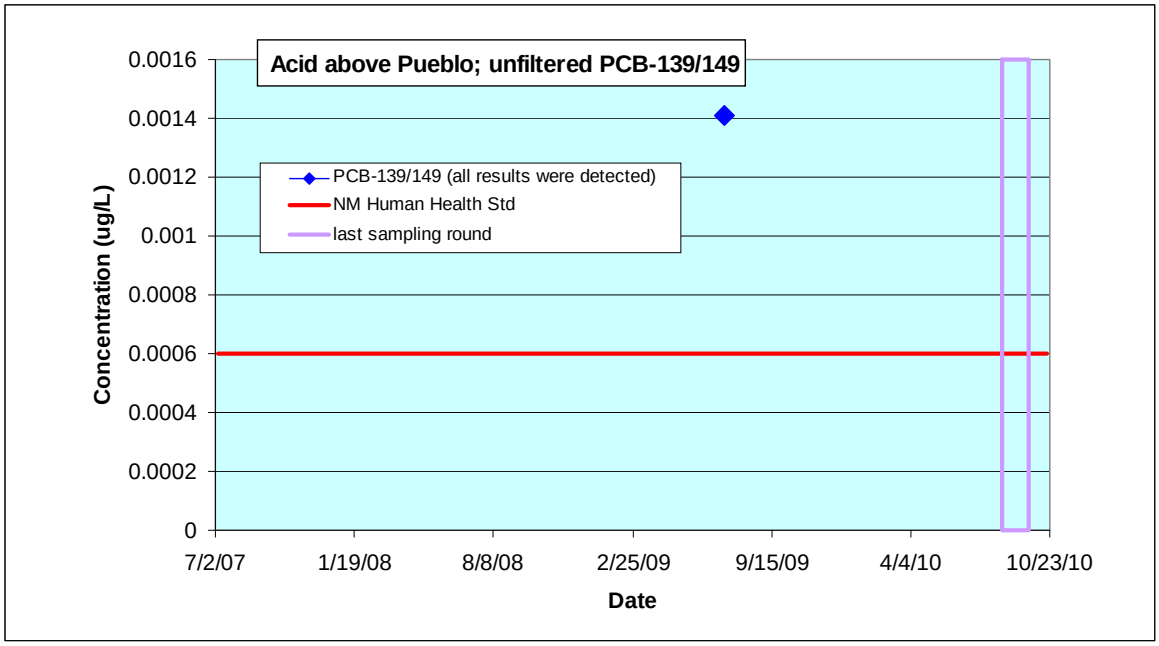
Analytical Chemistry Graphs of Screening-Level Exceedances

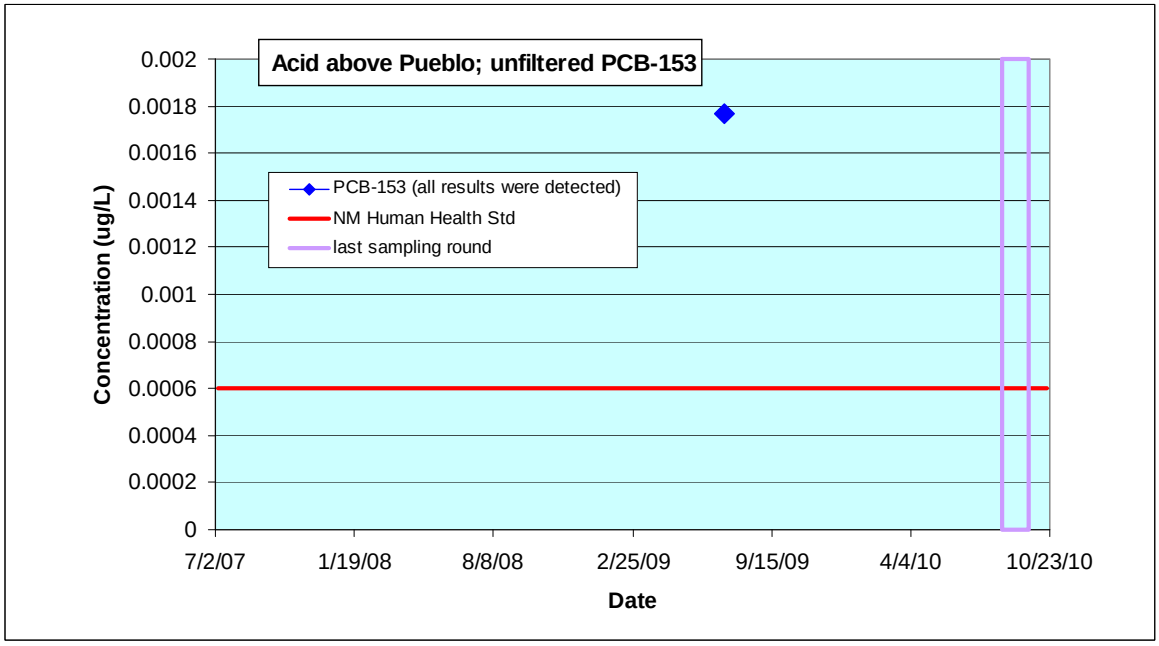

Acid above Pueblo; unfiltered Gross alpha
Gross alpha (all results were detected)
NM Livestock Watering Standard
last sampling round
Concentration (pCi/L)
16.8
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
14.8
7/2/07
1/15/08
7/30/08
2/12/09
8/28/09
3/13/10
9/26/10
Date

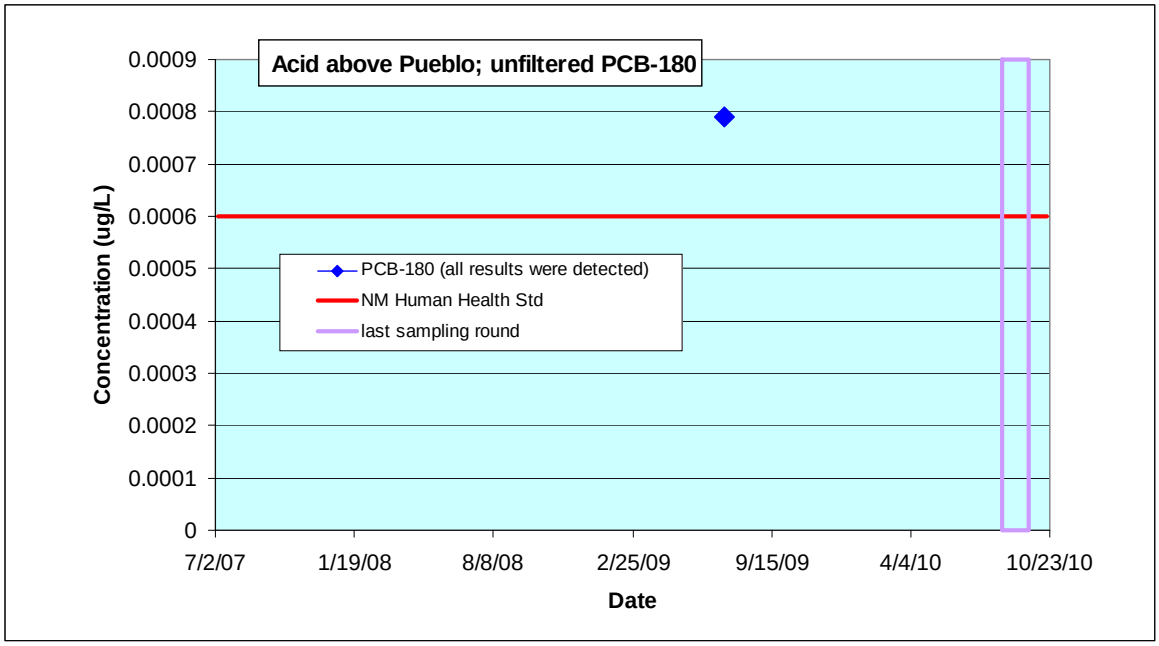

Acid above Pueblo; unfiltered PCB-110
PCB-110 (all results were detected)
NM Human Health Std
last sampling round
Concentration (ug/L)
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

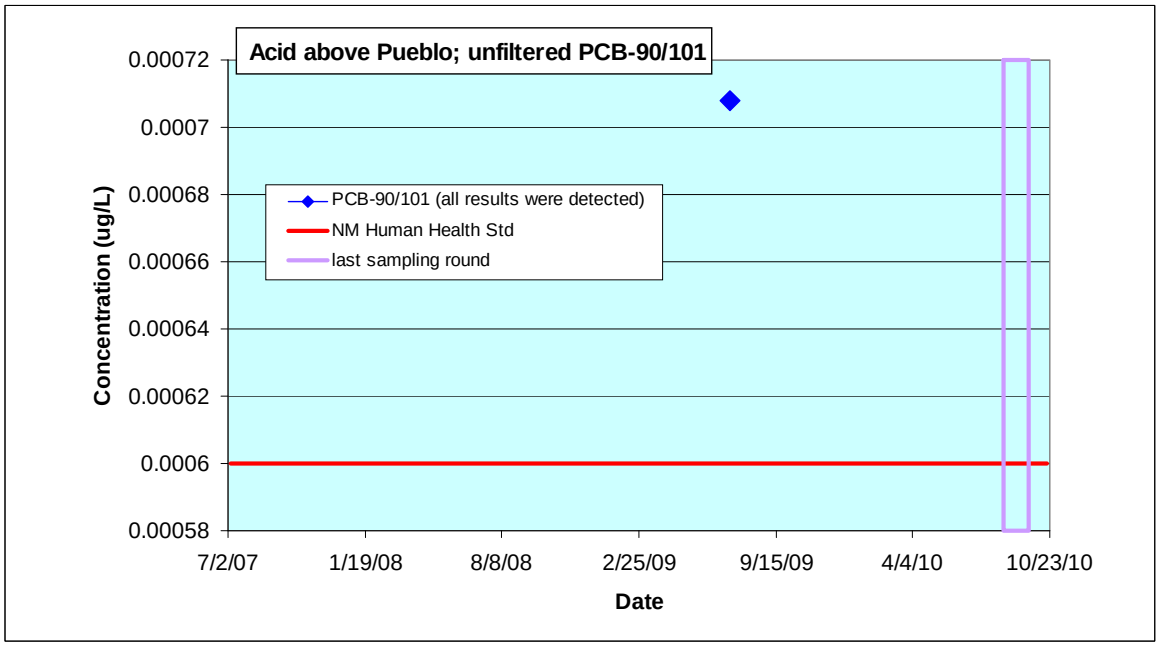

Acid above Pueblo; unfiltered PCB-132
PCB-132 (all results were detected)
NM Human Health Std
last sampling round
Concentration (ug/L)
0.00066
0.00065
0.00064
0.00063
0.00062
0.00061
0.0006
0.00059
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

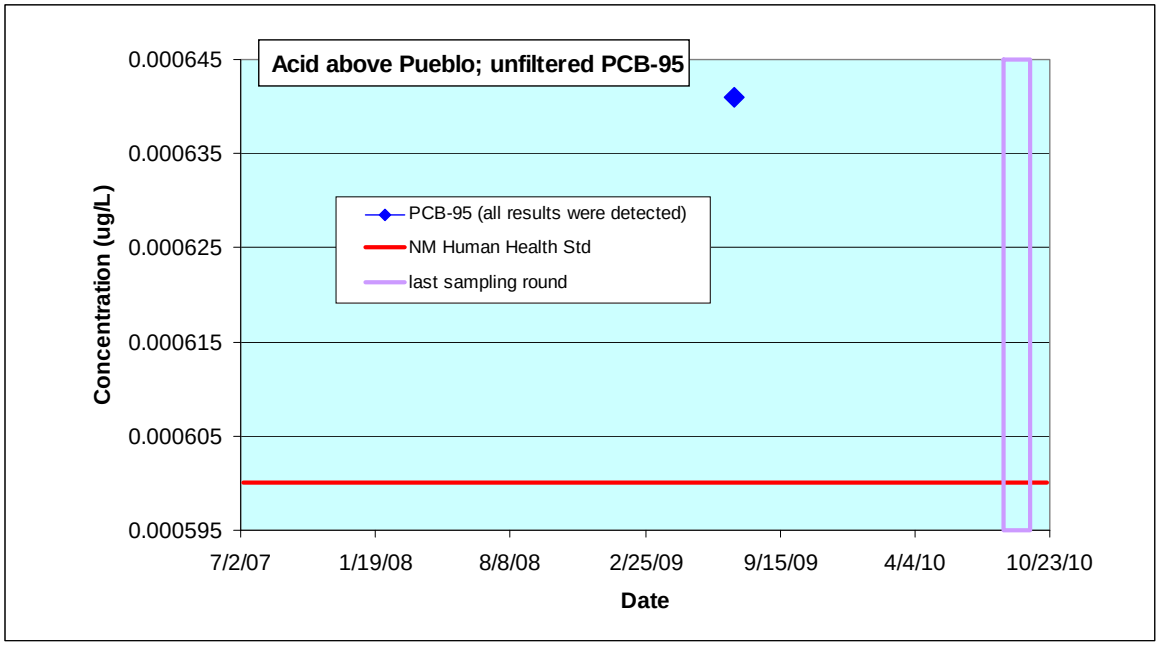

Acid above Pueblo; unfiltered PCB-138/163/164
PCB-138/163/164 (all results were detected)
NM Human Health Std
last sampling round
Concentration (ug/L)
0.0025
0.002
0.0015
0.001
0.0005
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

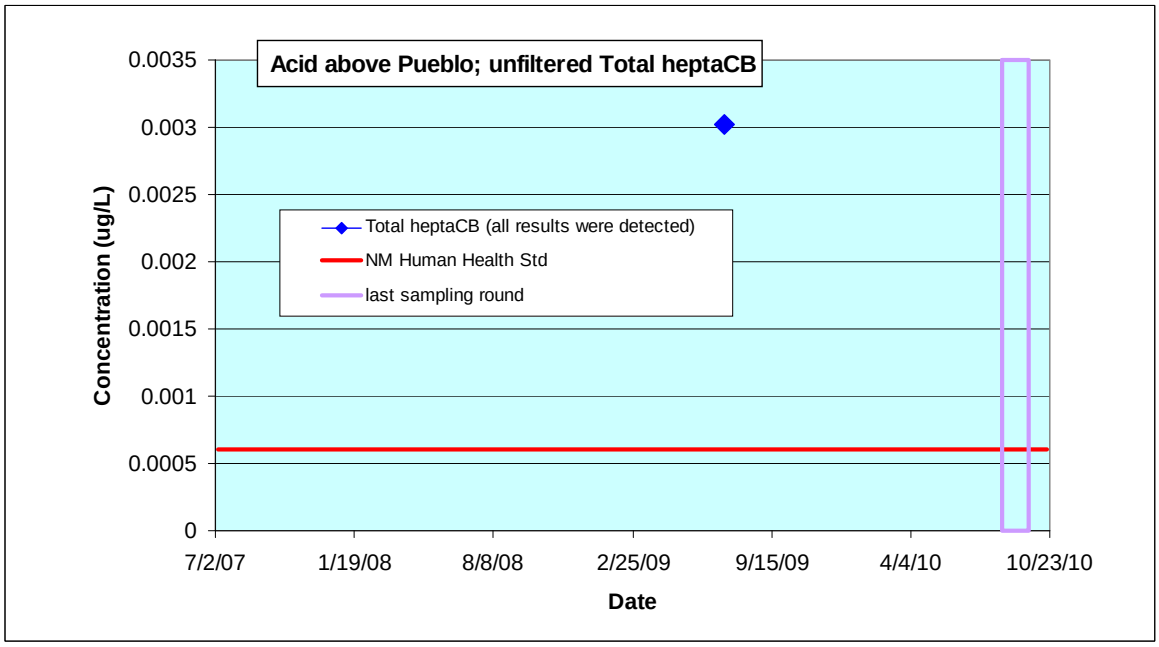

Acid above Pueblo; unfiltered PCB-139/149
PCB-139/149 (all results were detected)
NM Human Health Std
last sampling round
Concentration (ug/L)
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

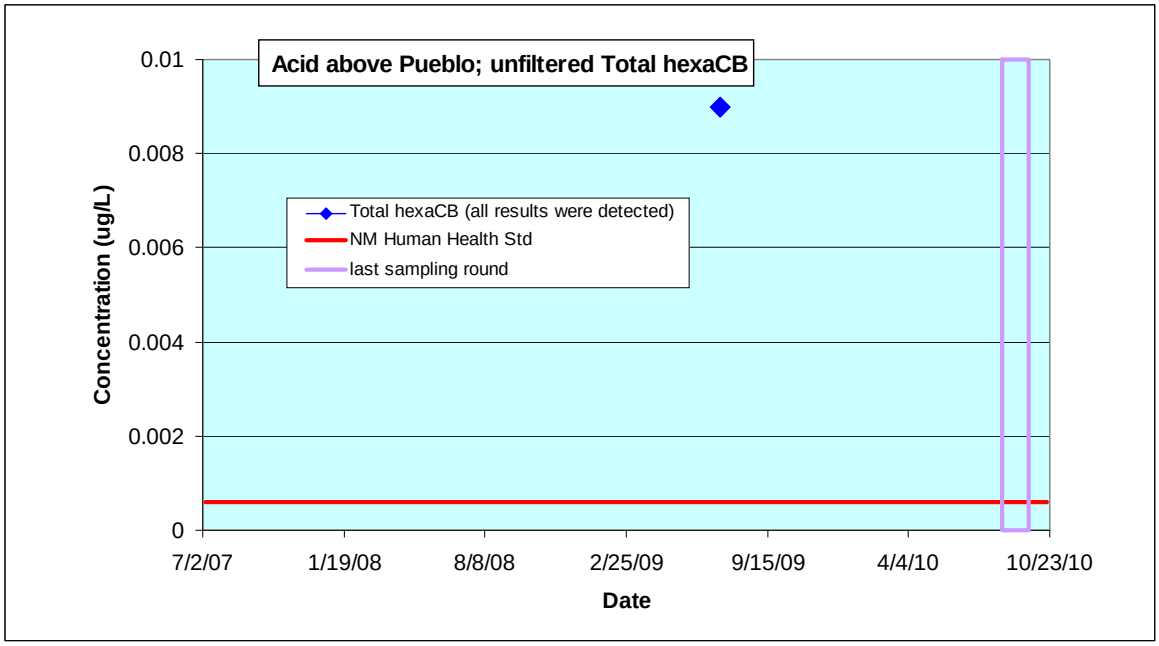

Acid above Pueblo; unfiltered PCB-153
PCB-153 (all results were detected)
NM Human Health Std
last sampling round
Concentration (ug/L)
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

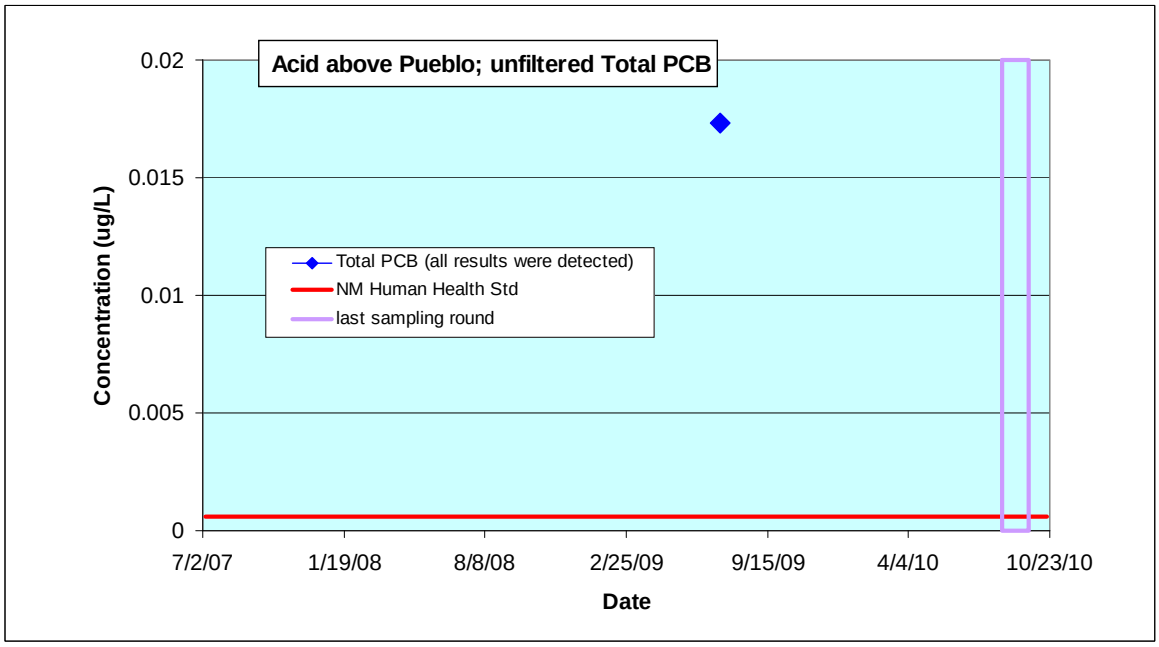

Acid above Pueblo; unfiltered PCB-180
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
0
Concentration (ug/L)
PCB-180 (all results were detected)
NM Human Health Std
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

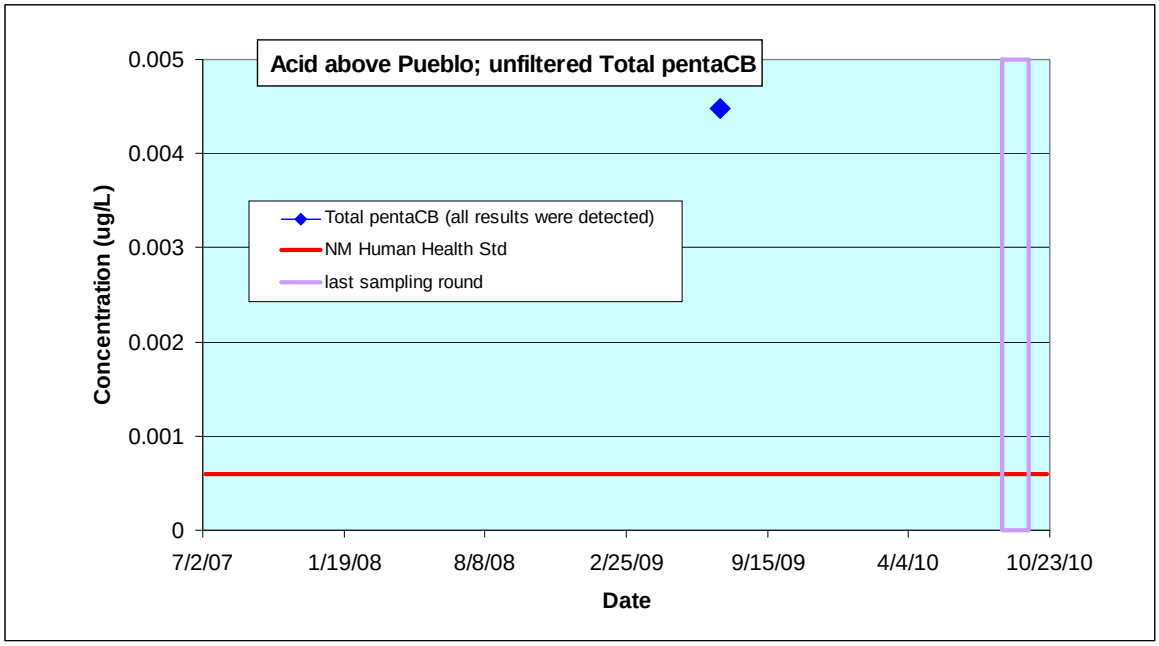

Acid above Pueblo; unfiltered PCB-90/101
0.00072
0.0007
0.00068
0.00066
0.00064
0.00062
0.0006
0.00058
Concentration (ug/L)
PCB-90/101 (all results were detected)
NM Human Health Std
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

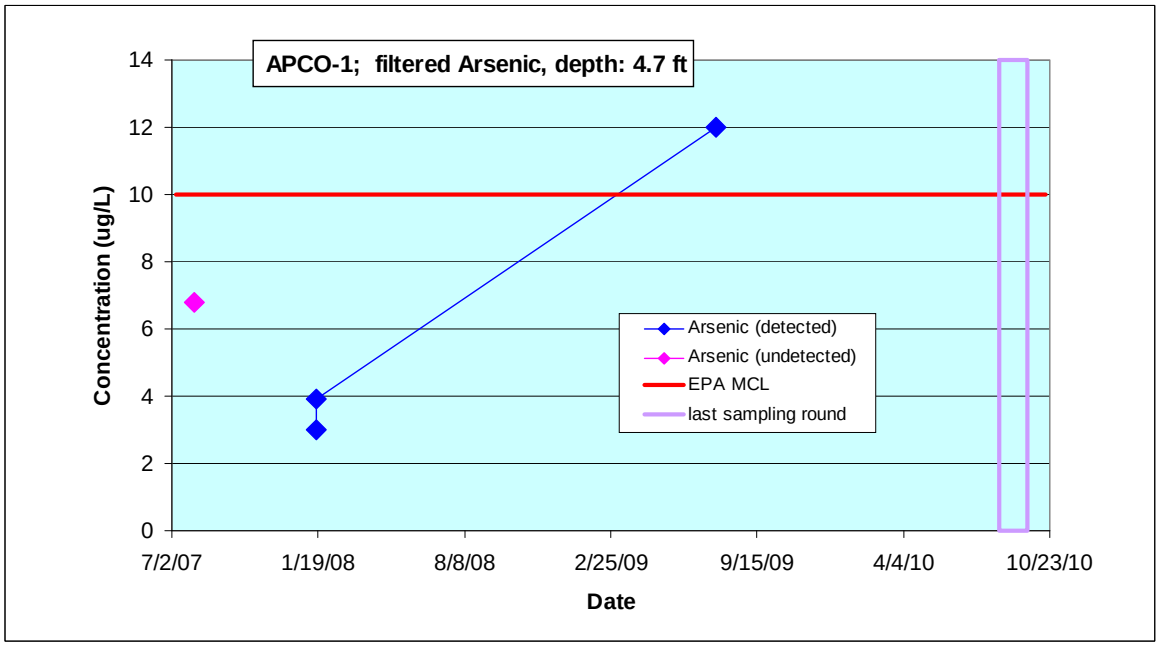

Acid above Pueblo; unfiltered PCB-95
0.000645
0.000635
0.000625
0.000615
0.000605
0.000595
Concentration (ug/L)
PCB-95 (all results were detected)
NM Human Health Std
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

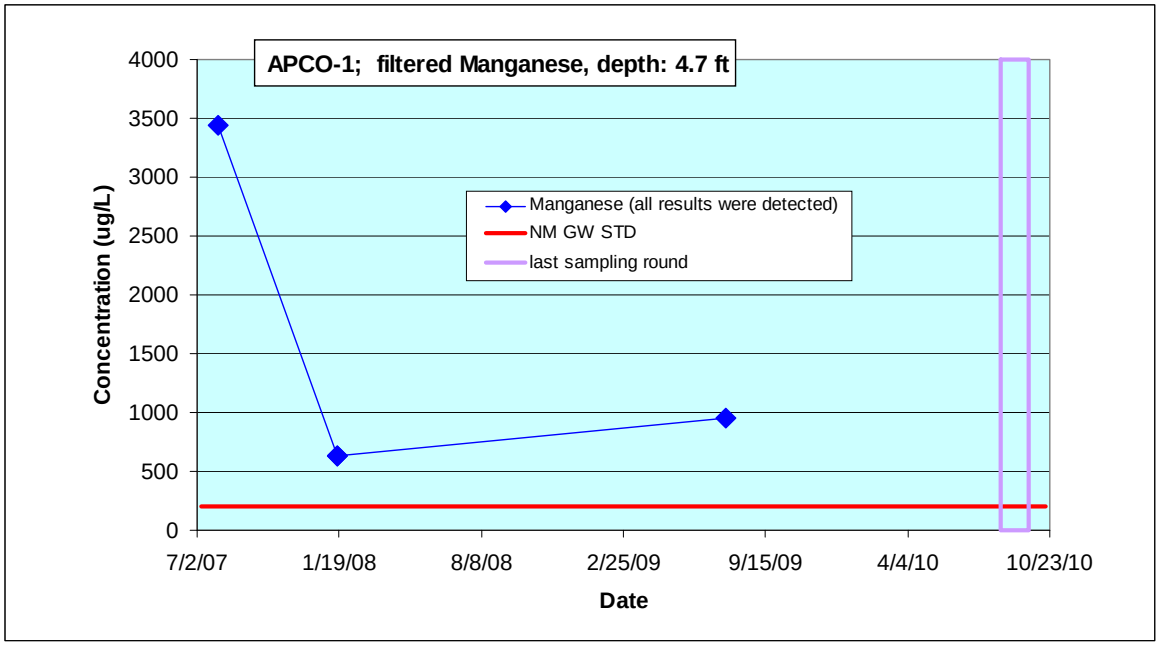

Acid above Pueblo; unfiltered Total heptaCB
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
Concentration (ug/L)
Total heptaCB (all results were detected)
NM Human Health Std
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

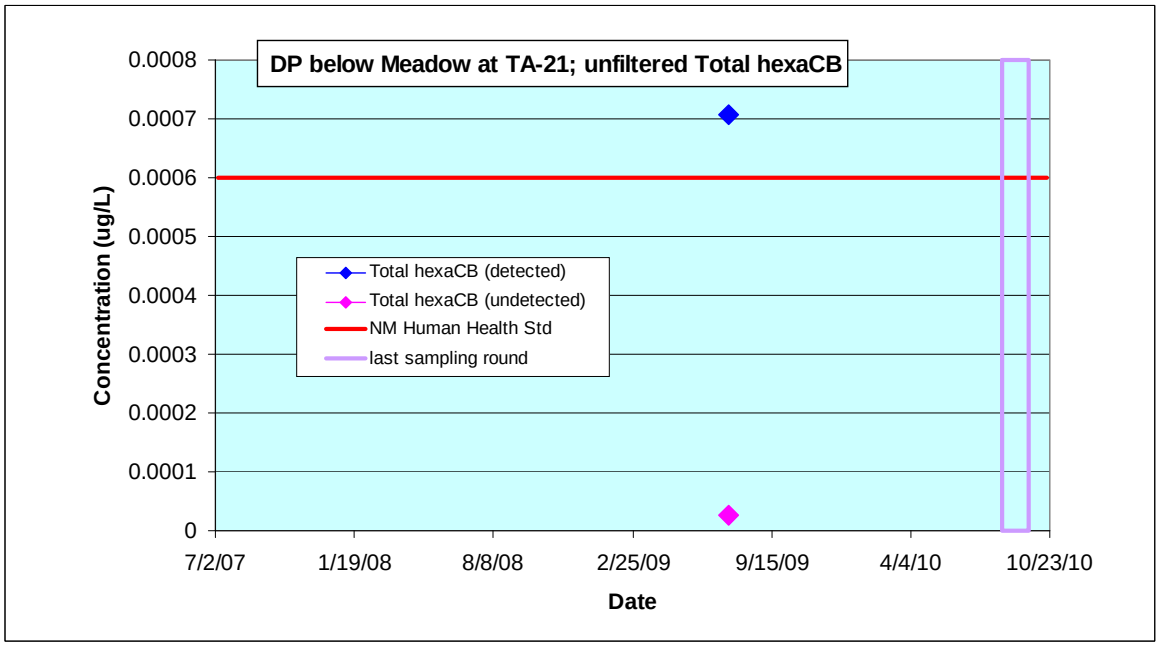

Acid above Pueblo; unfiltered Total hexaCB
Total hexaCB (all results were detected)
NM Human Health Std
last sampling round
Concentration (ug/L)
0.01
0.008
0.006
0.004
0.002
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

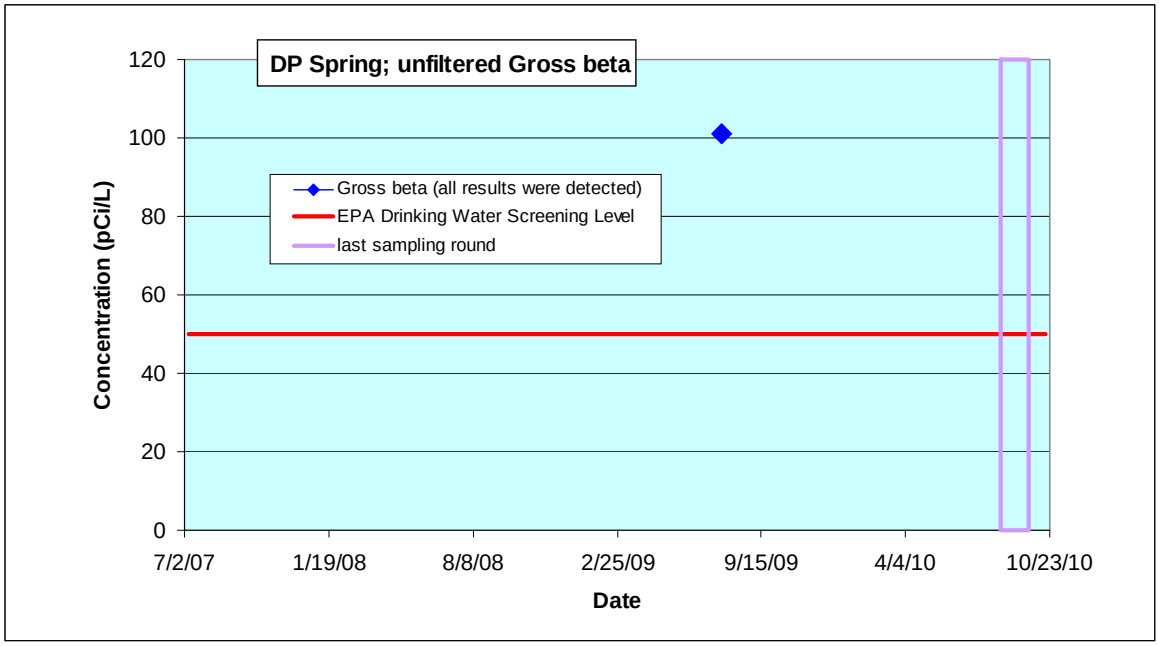

Acid above Pueblo; unfiltered Total PCB
Total PCB (all results were detected)
NM Human Health Std
last sampling round
Concentration (ug/L)
0.02
0.015
0.01
0.005
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

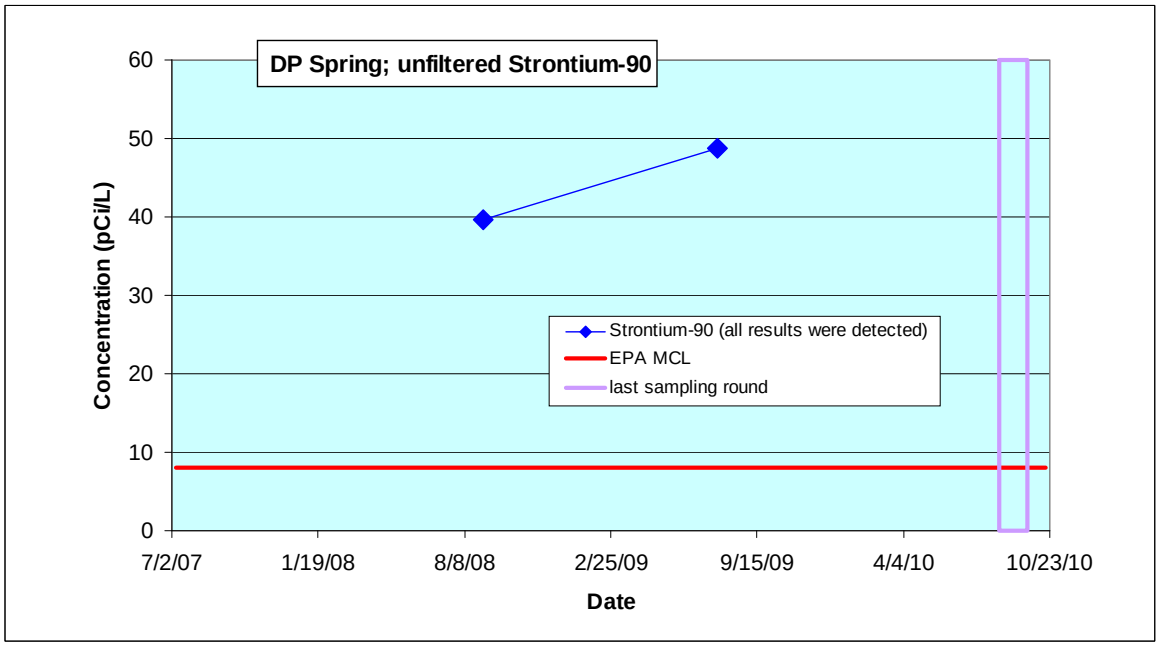

Acid above Pueblo; unfiltered Total pentaCB
0.005
0.004
0.003
0.002
0.001
0
Concentration (ug/L)
Total pentaCB (all results were detected)
NM Human Health Std
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

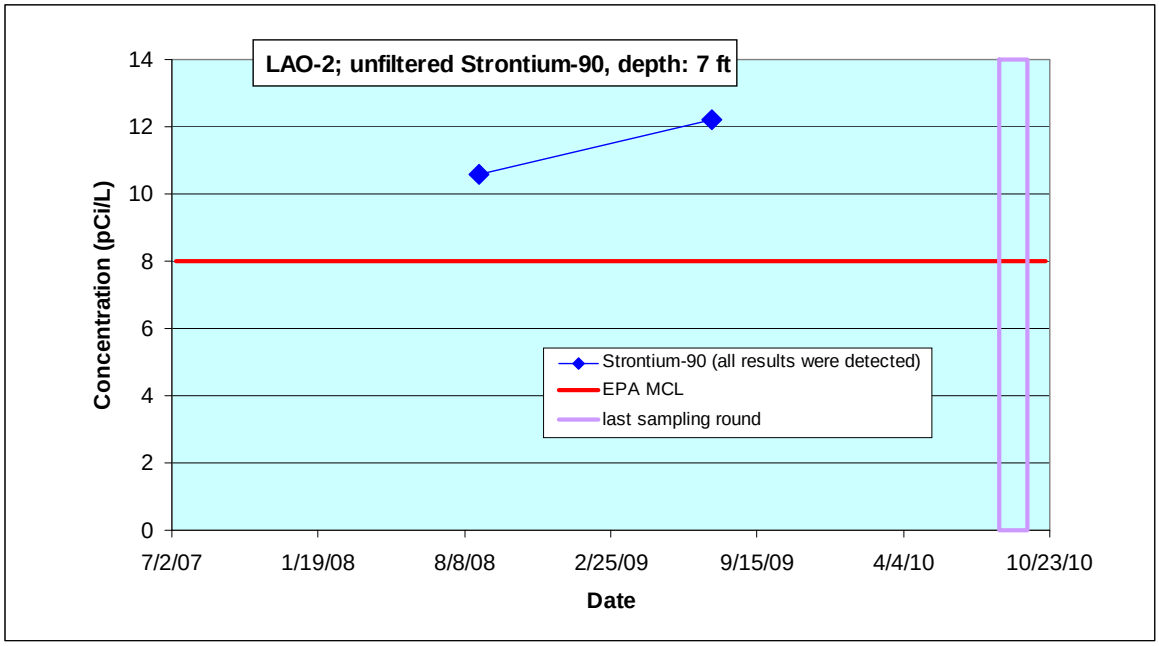

APCO-1; filtered Arsenic, depth: 4.7 ft
14
12
10
8
6
4
2
0
Concentration (ug/L)
Arsenic (detected)
Arsenic (undetected)
EPA MCL
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

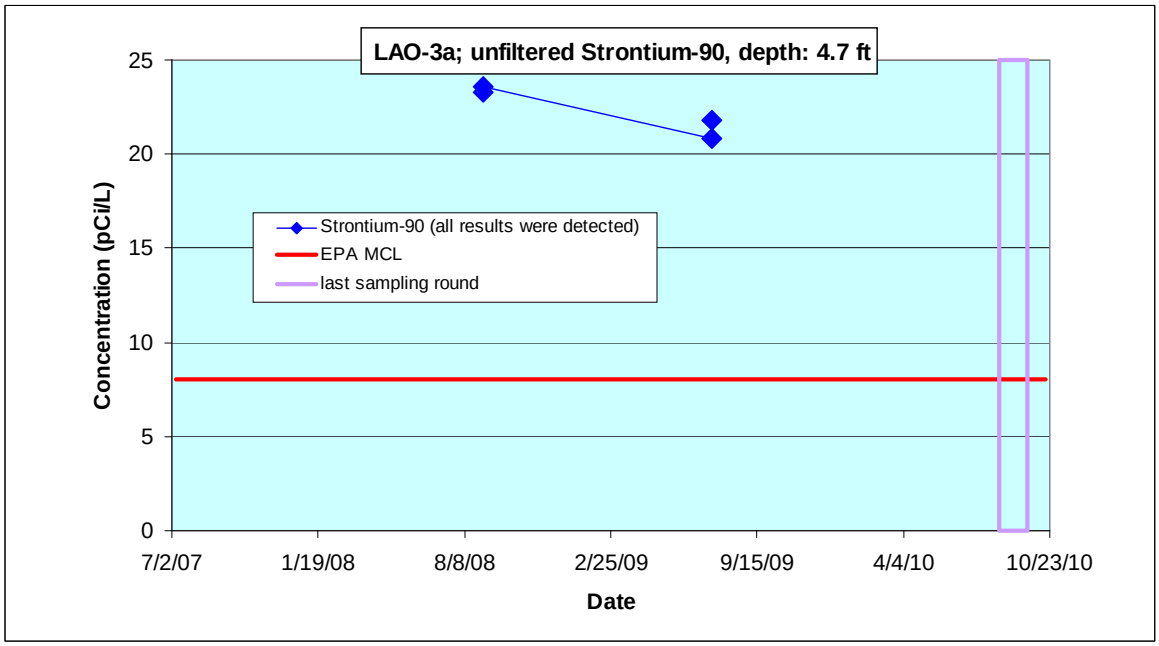

APCO-1; filtered Manganese, depth: 4.7 ft
Concentration (ug/L)
4000
3500
3000
2500
2000
1500
1000
500
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Manganese (all results were detected)
NM GW STD
last sampling round

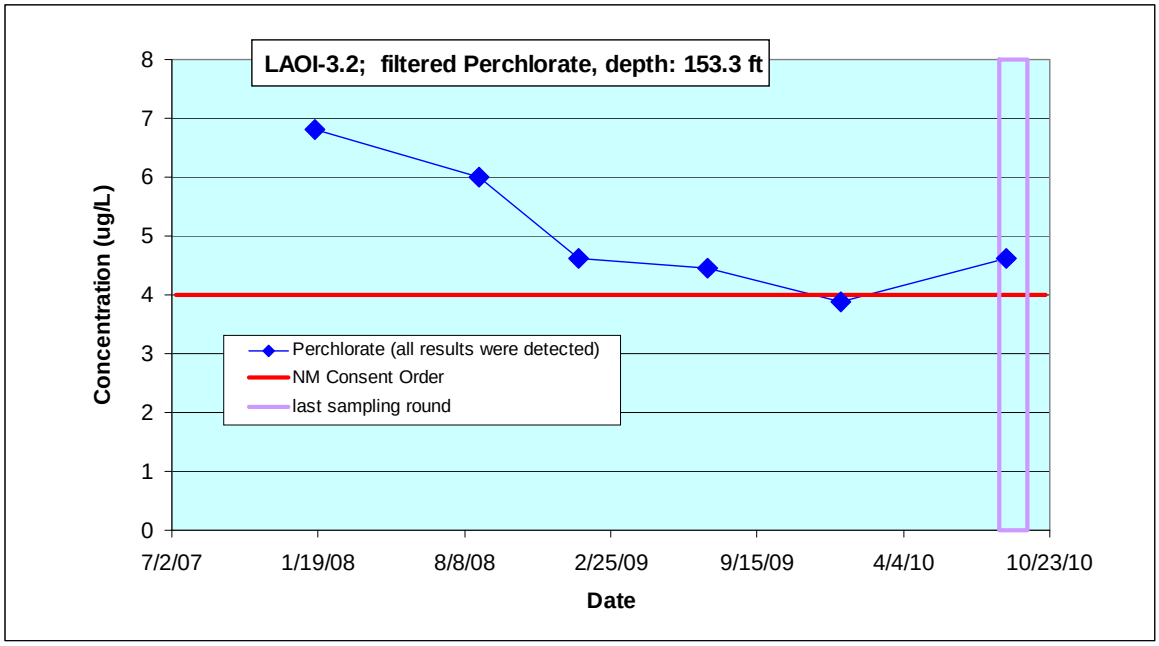

DP below Meadow at TA-21; unfiltered Total hexaCB
Concentration (ug/L)
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Total hexaCB (detected)
Total hexaCB (undetected)
NM Human Health Std
last sampling round

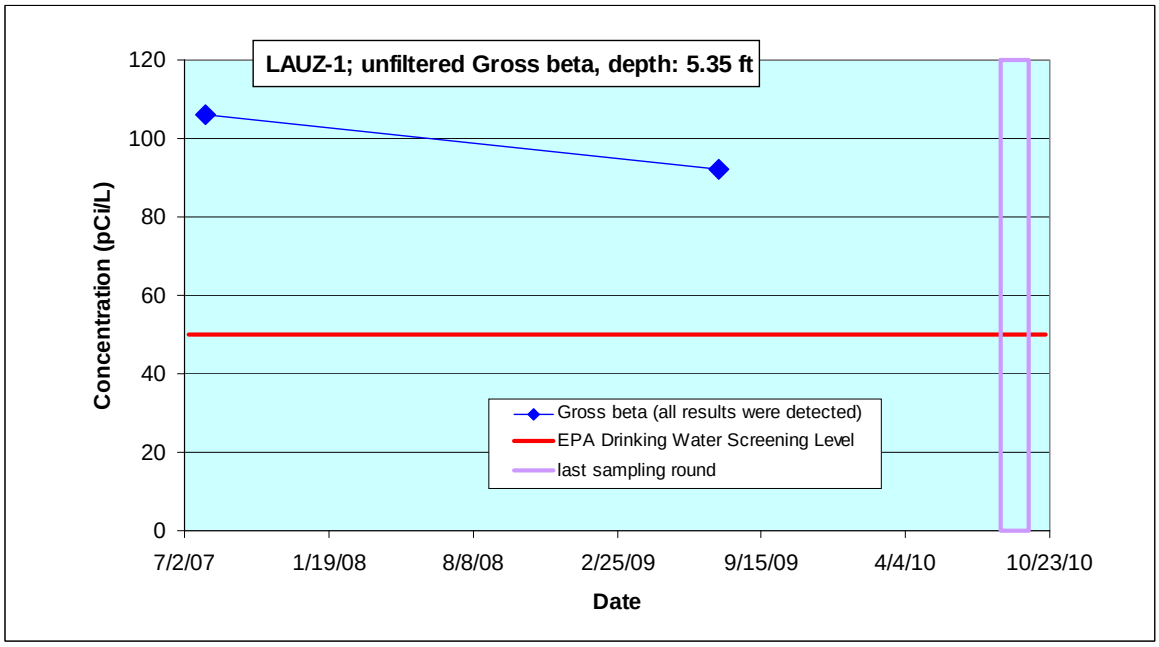

DP Spring; unfiltered Gross beta
Concentration (pCi/L)
120
100
80
60
40
20
0
Gross beta (all results were detected)
EPA Drinking Water Screening Level
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

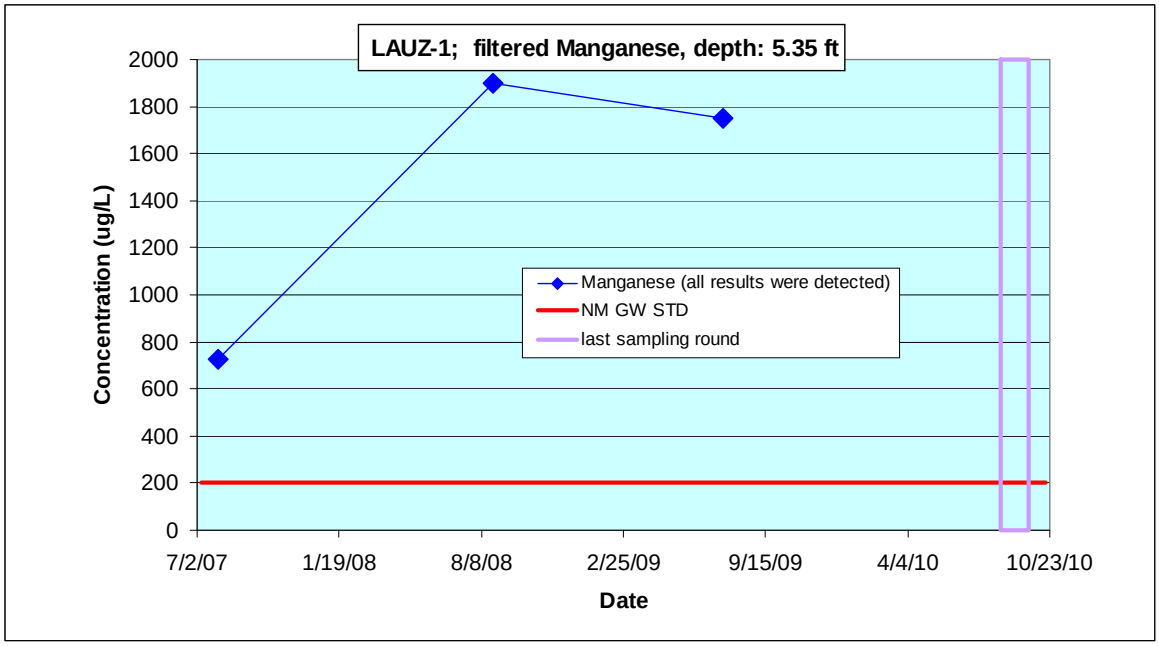

DP Spring; unfiltered Strontium-90
Concentration (pCi/L)
60
50
40
30
20
10
0
Strontium-90 (all results were detected)
EPA MCL
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

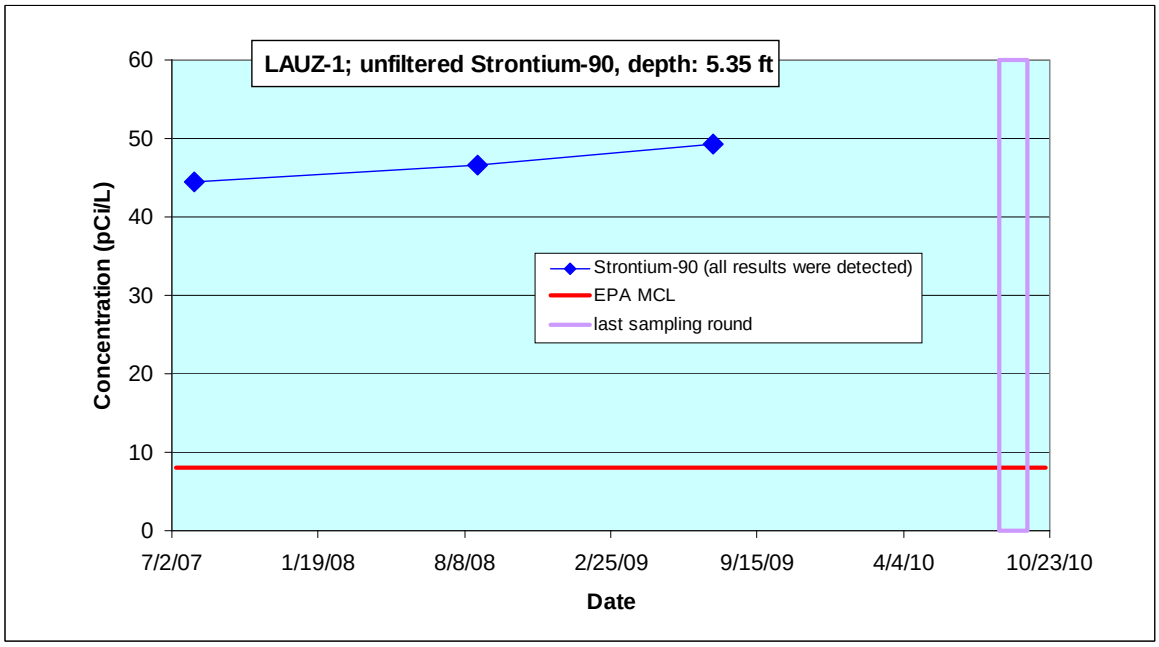

LAO-2; unfiltered Strontium-90, depth: 7 ft
Concentration (pCi/L)
14
12
10
8
6
4
2
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Strontium-90 (all results were detected)
EPA MCL
last sampling round

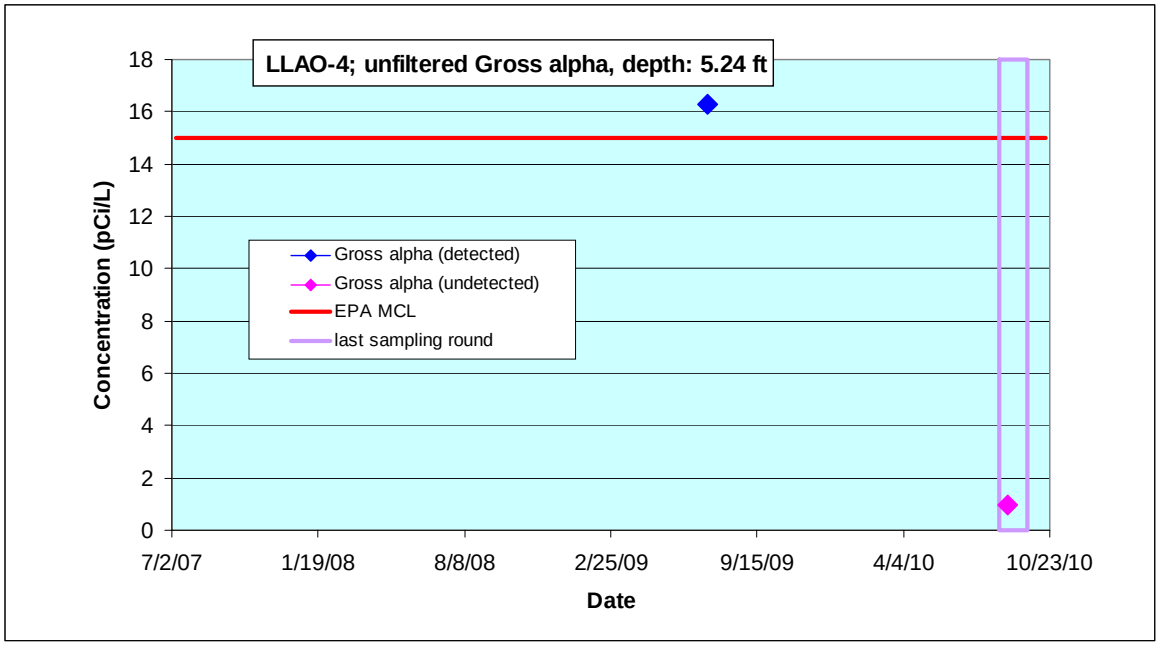

LAO-3a; unfiltered Strontium-90, depth: 4.7 ft
Concentration (pCi/L)
25
20
15
10
5
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Strontium-90 (all results were detected)
EPA MCL
last sampling round

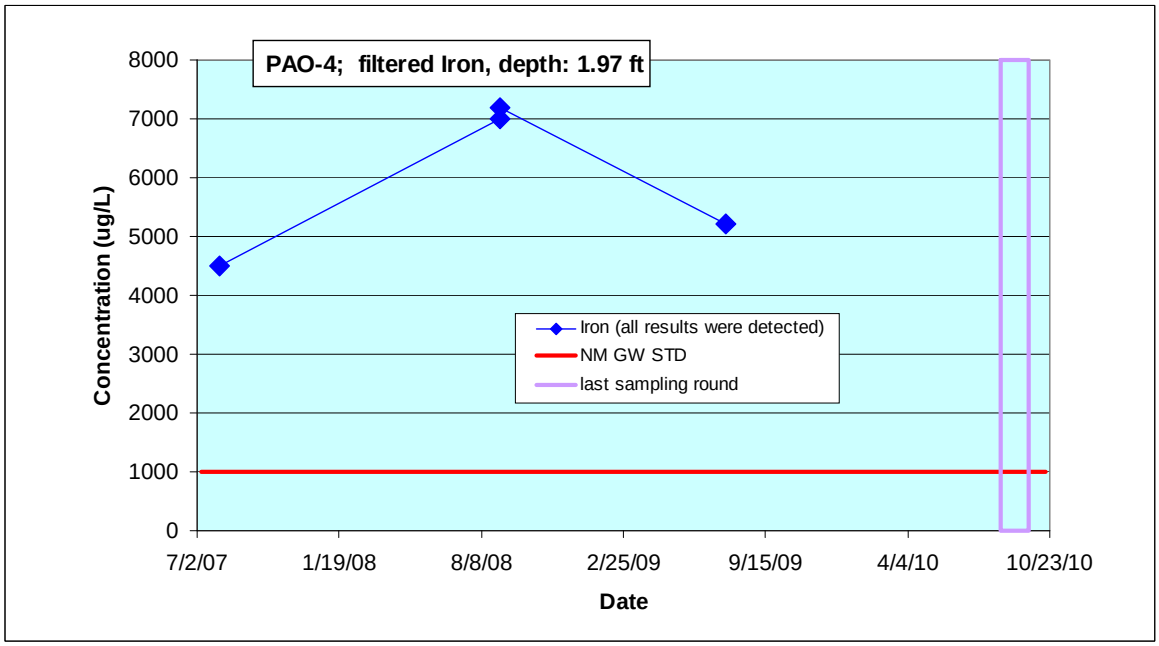

LAOI-3.2; filtered Perchlorate, depth: 153.3 ft
Concentration (ug/L)
8
7
6
5
4
3
2
1
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Perchlorate (all results were detected)
NM Consent Order
last sampling round

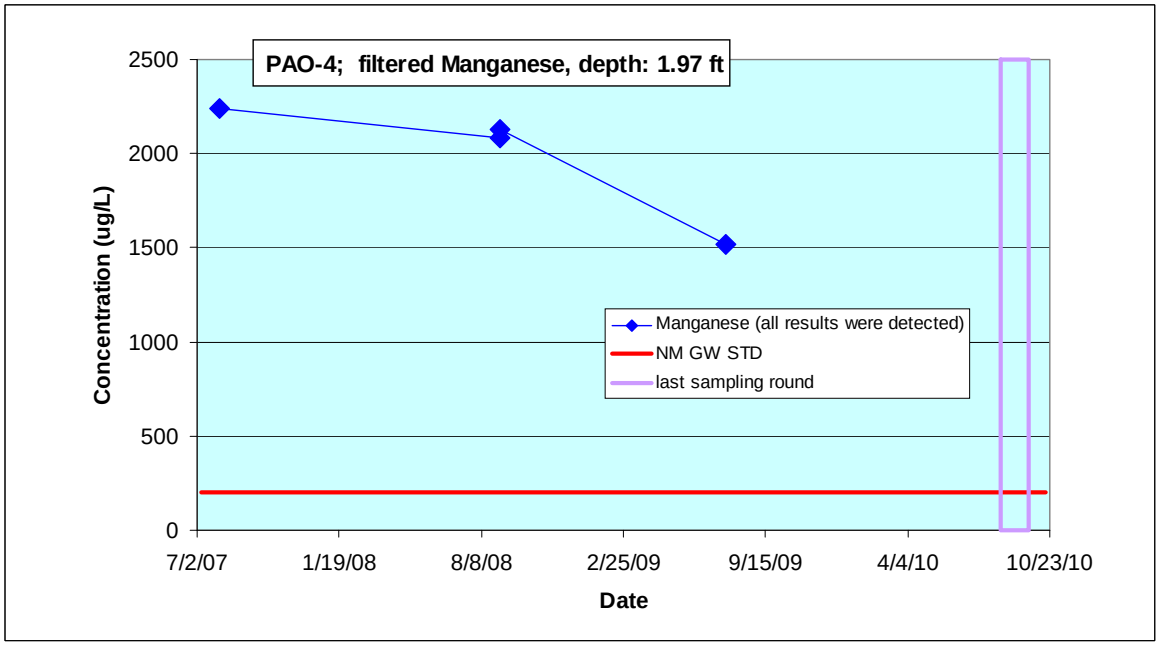

LAUZ-1; unfiltered Gross beta, depth: 5.35 ft
Concentration (pCi/L)
120
100
80
60
40
20
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Gross beta (all results were detected)
EPA Drinking Water Screening Level
last sampling round

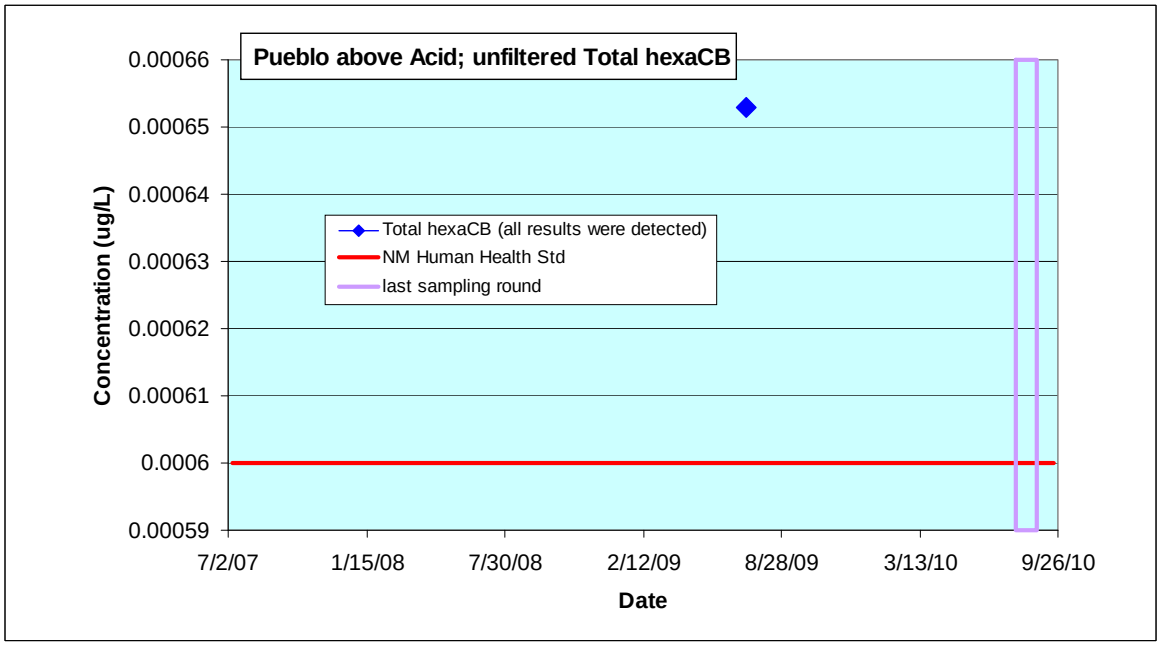

LAUZ-1; filtered Manganese, depth: 5.35 ft
Concentration (ug/L)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Manganese (all results were detected)
NM GW STD
last sampling round

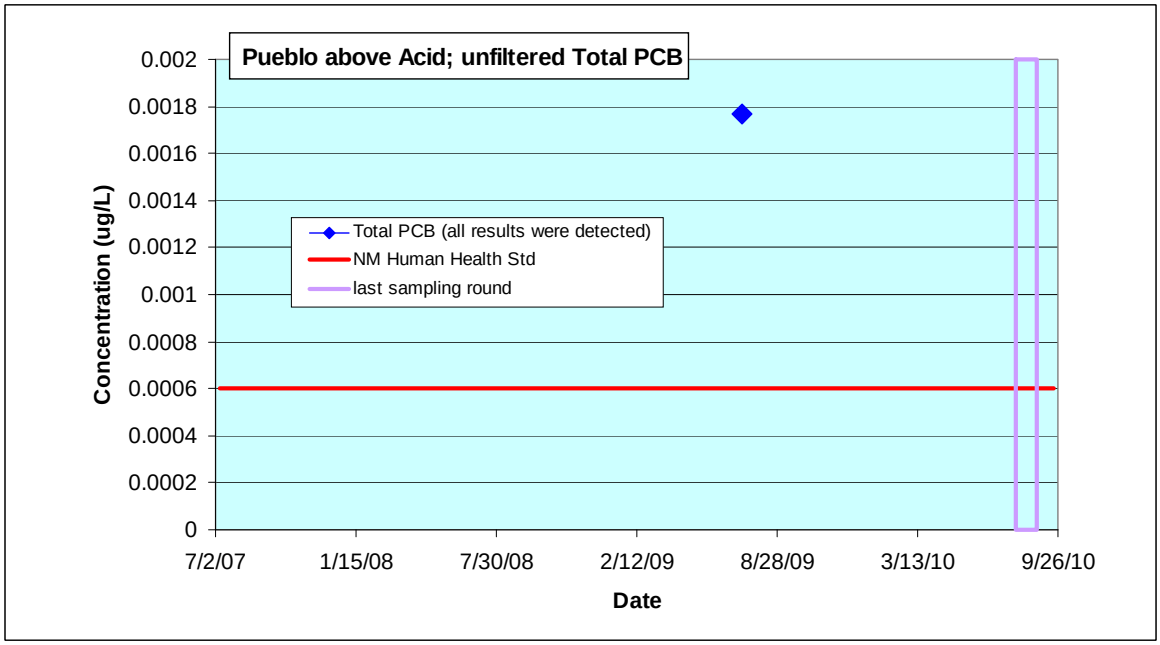

LAUZ-1; unfiltered Strontium-90, depth: 5.35 ft
Concentration (pCi/L)
60
50
40
30
20
10
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Strontium-90 (all results were detected)
EPA MCL
last sampling round

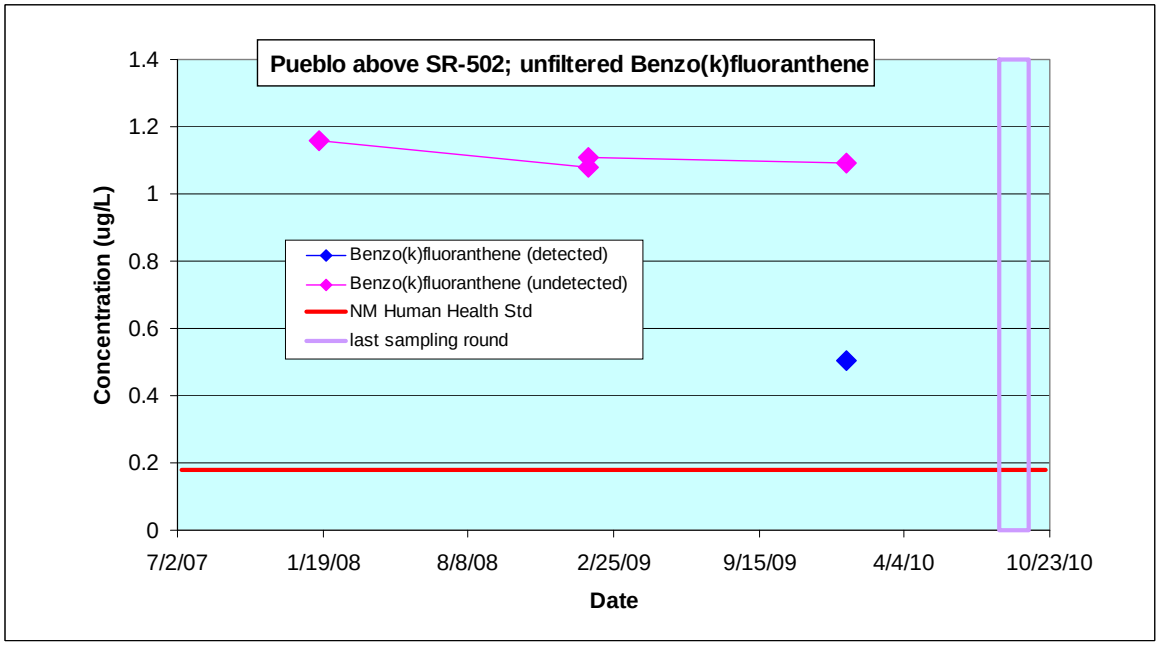

LLAO-4; unfiltered Gross alpha, depth: 5.24 ft
Concentration (pCi/L)
18
16
14
12
10
8
6
4
2
0
Gross alpha (detected)
Gross alpha (undetected)
EPA MCL
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

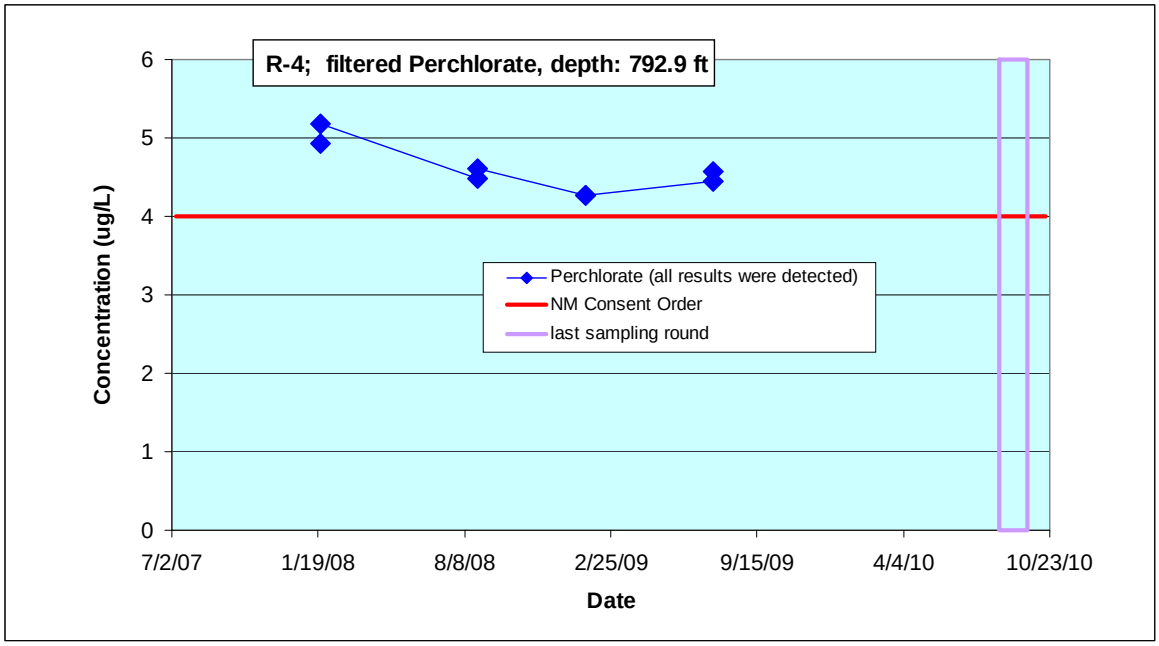

PAO-4; filtered Iron, depth: 1.97 ft
Concentration (ug/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
Iron (all results were detected)
NM GW STD
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

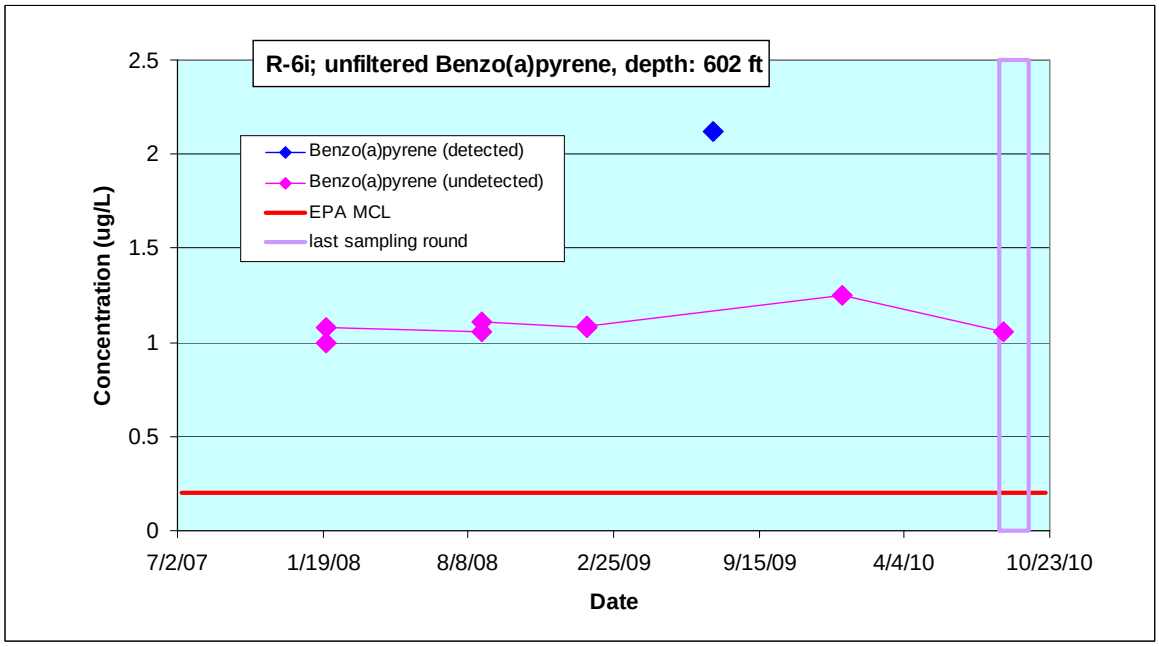

PAO-4; filtered Manganese, depth: 1.97 ft
Concentration (ug/L)
2500
2000
1500
1000
500
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Manganese (all results were detected)
NM GW STD
last sampling round

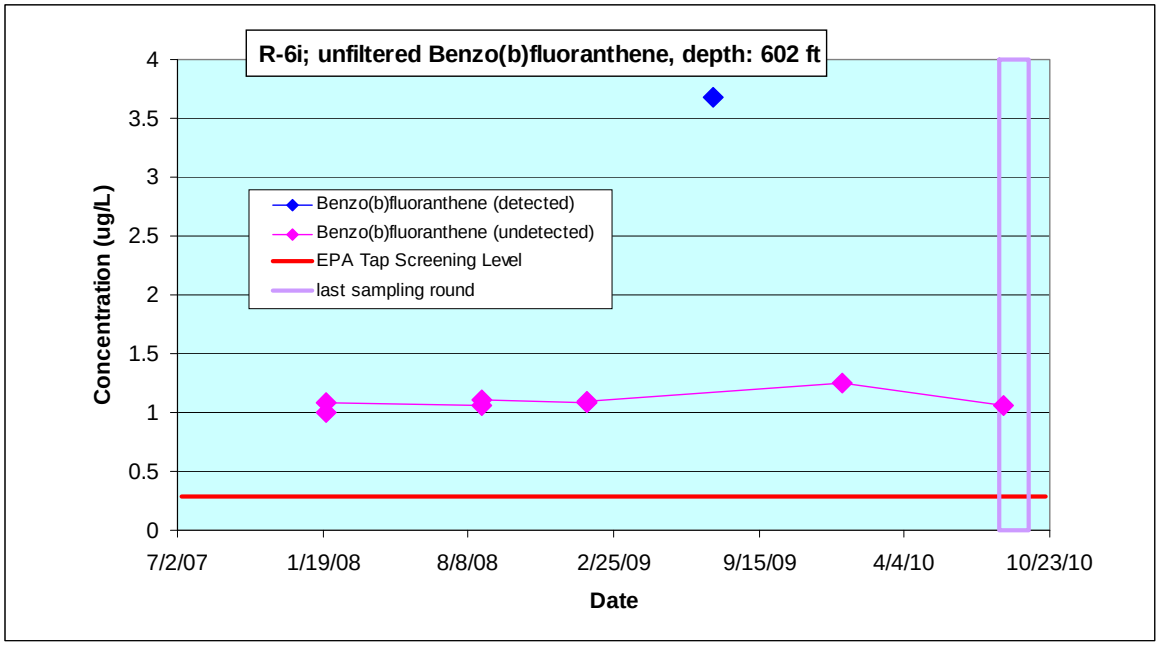

Pueblo above Acid; unfiltered Total hexaCB
Concentration (ug/L)
0.00066
0.00065
0.00064
0.00063
0.00062
0.00061
0.0006
0.00059
7/2/07
1/15/08
7/30/08
2/12/09
8/28/09
3/13/10
9/26/10
Date
Total hexaCB (all results were detected)
NM Human Health Std
last sampling round

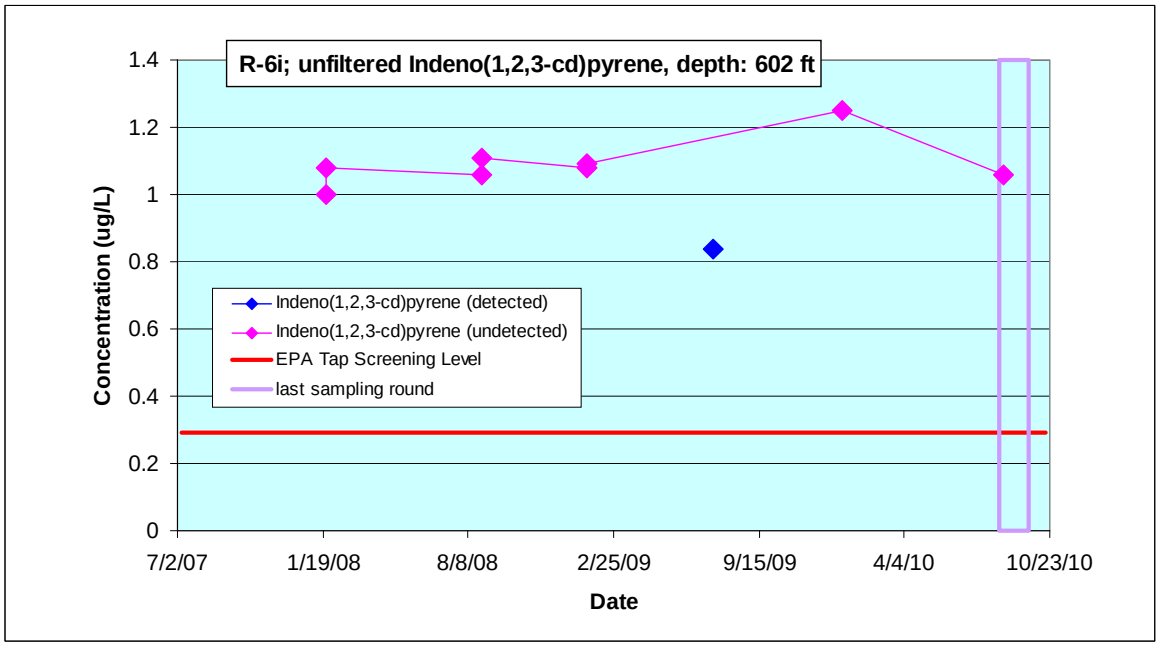

Pueblo above Acid; unfiltered Total PCB
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
Concentration (ug/L)
Total PCB (all results were detected)
NM Human Health Std
last sampling round
7/2/07
1/15/08
7/30/08
2/12/09
8/28/09
3/13/10
9/26/10
Date

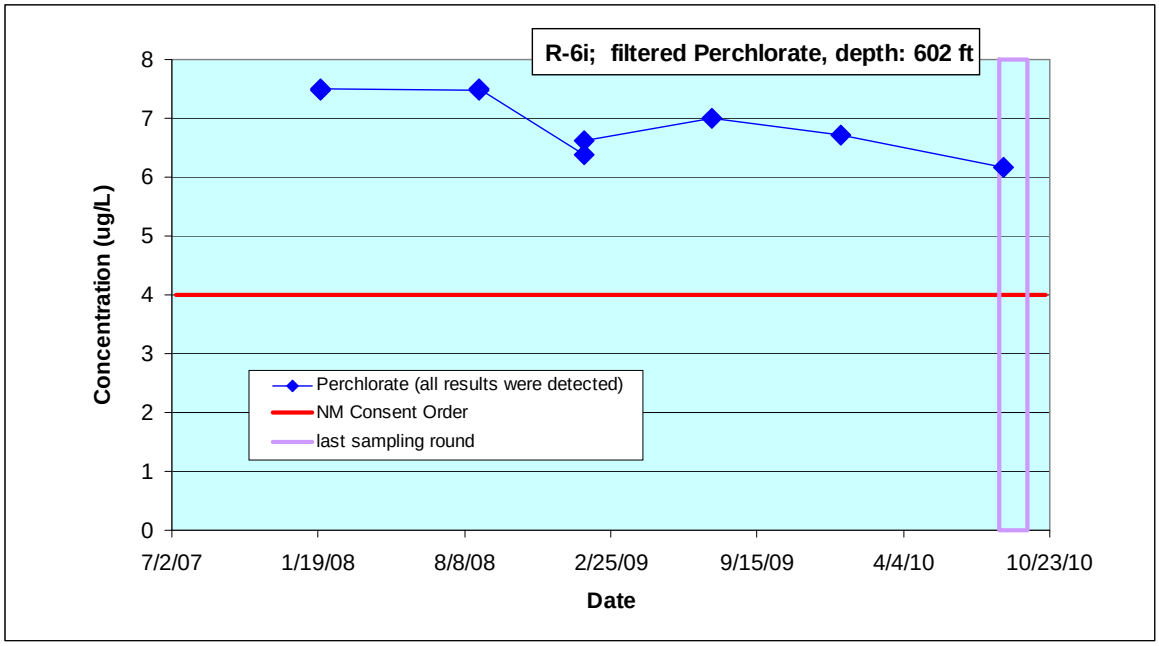

Pueblo above SR-502; unfiltered Benzo(k)fluoranthene
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Concentration (ug/L)
Benzo(k)fluoranthene (detected)
Benzo(k)fluoranthene (undetected)
NM Human Health Std
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

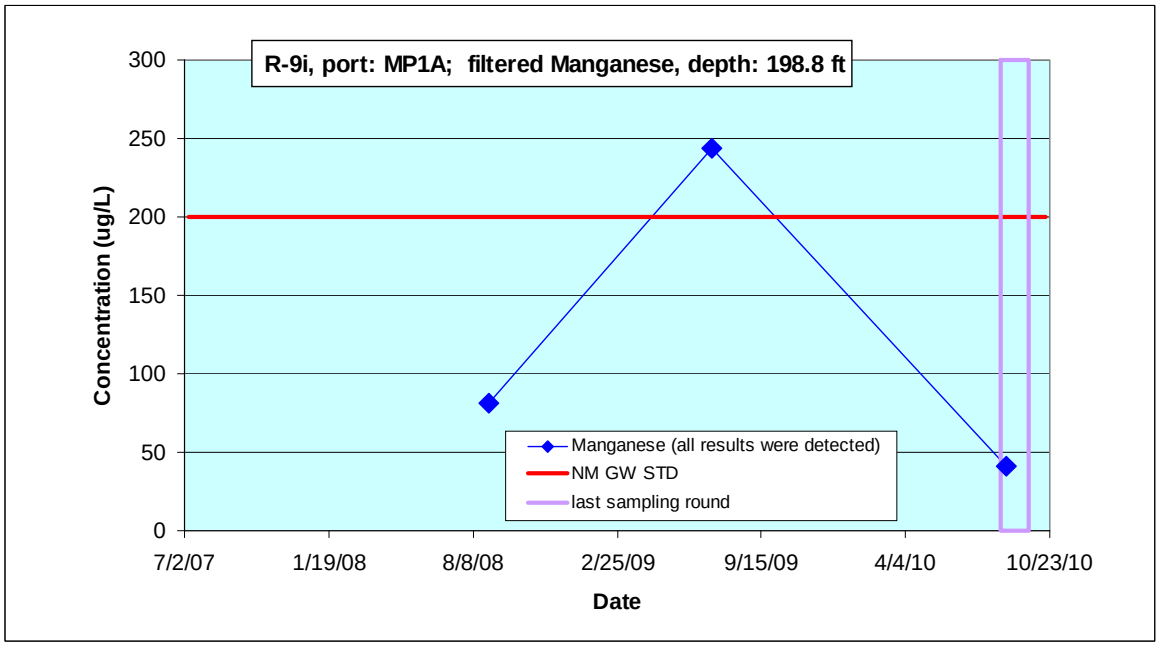

R-4; filtered Perchlorate, depth: 792.9 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Perchlorate (all results were detected)
NM Consent Order
last sampling round

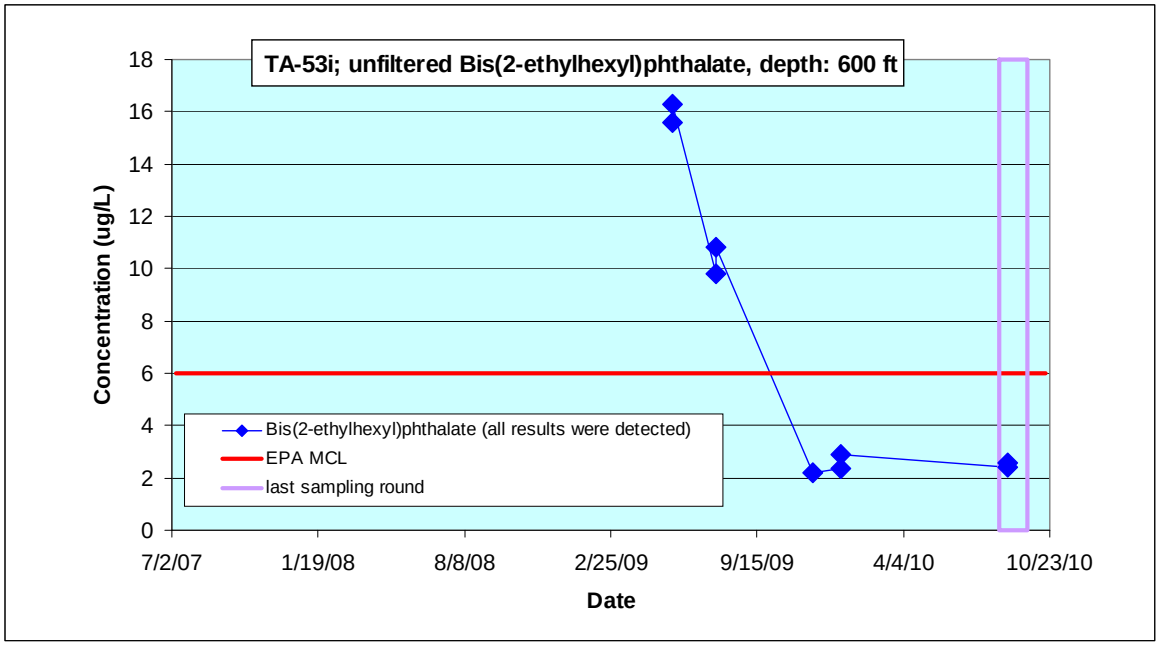

R-6i; unfiltered Benzo(a)pyrene, depth: 602 ft
Concentration (ug/L)
0
0.5
1
1.5
2
2.5
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Benzo(a)pyrene (detected)
Benzo(a)pyrene (undetected)
EPA MCL
last sampling round

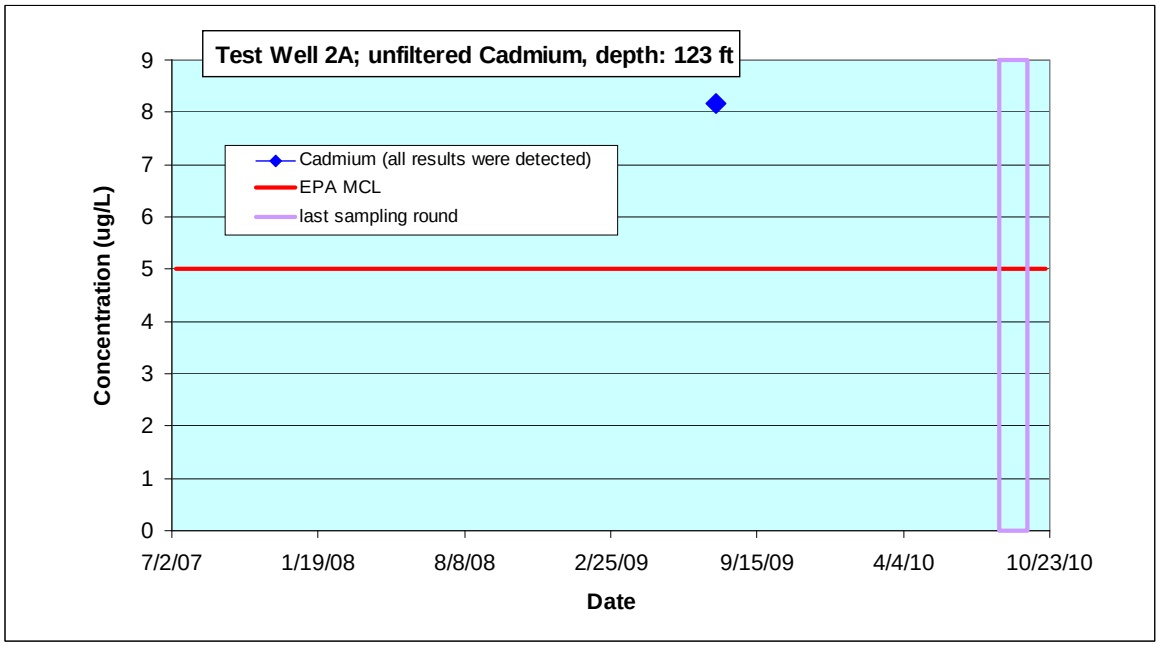

R-6i; unfiltered Benzo(b)fluoranthene, depth: 602 ft
Concentration (ug/L)
4
3.5
3
2.5
2
1.5
1
0.5
0
Benzo(b)fluoranthene (detected)
Benzo(b)fluoranthene (undetected)
EPA Tap Screening Level
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

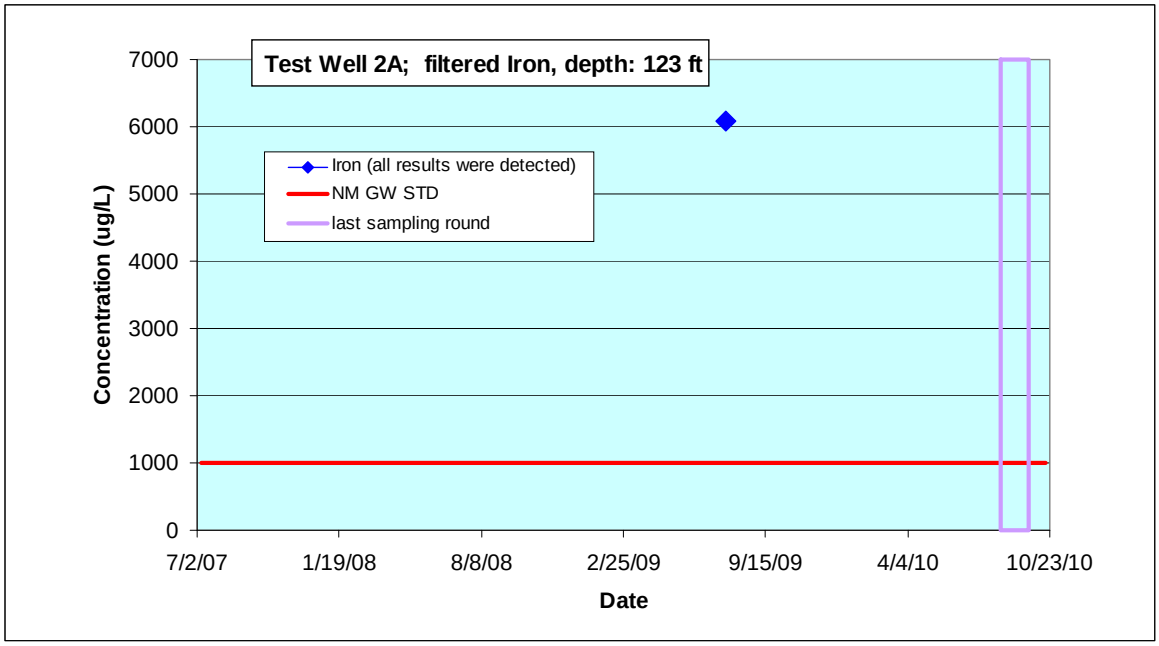

R-6i; unfiltered Indeno(1,2,3-cd)pyrene, depth: 602 ft
Concentration (ug/L)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Indeno(1,2,3-cd)pyrene (detected)
Indeno(1,2,3-cd)pyrene (undetected)
EPA Tap Screening Level
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

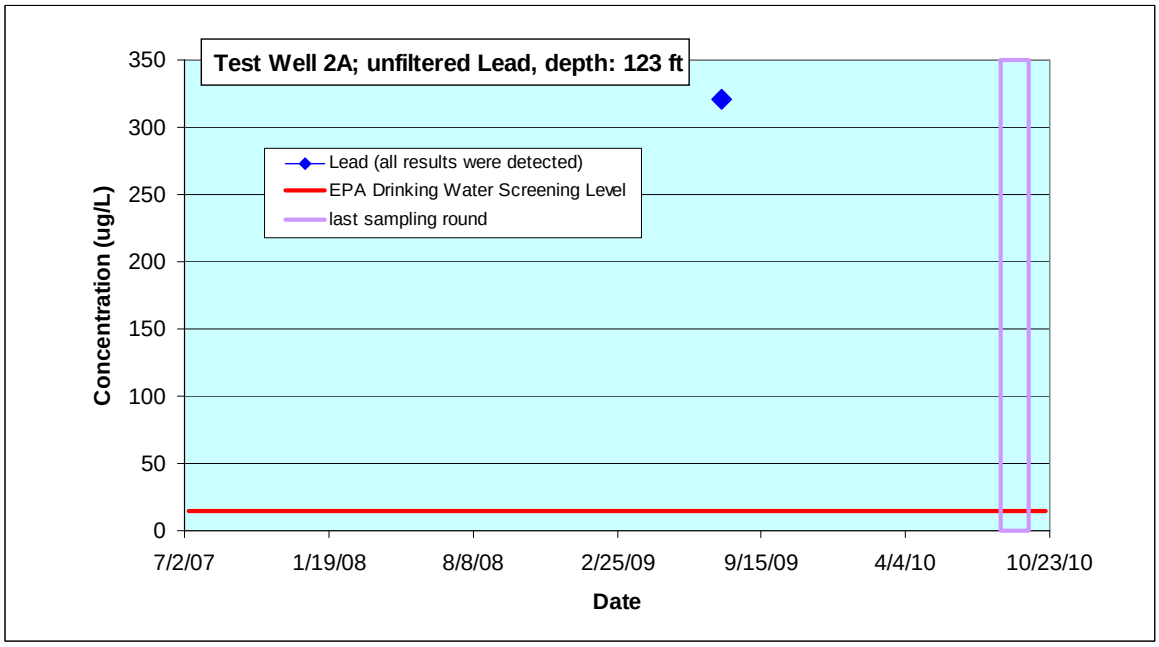

R-6i; filtered Perchlorate, depth: 602 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Perchlorate (all results were detected)
NM Consent Order
last sampling round

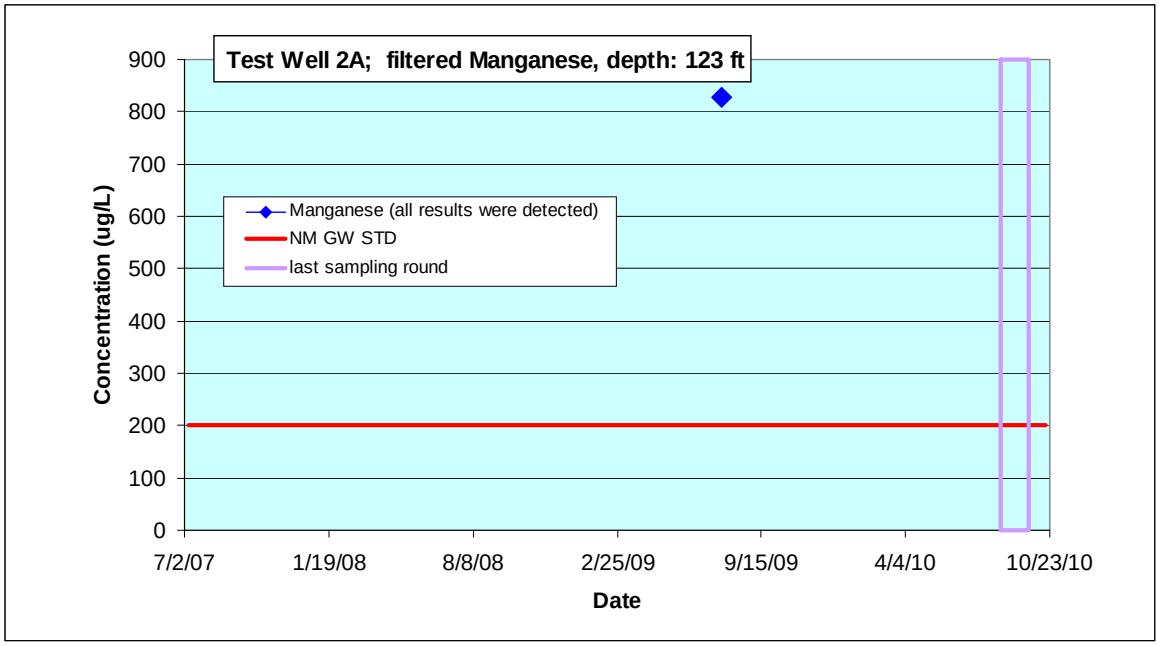

R-9i, port: MP1A; filtered Manganese, depth: 198.8 ft
Concentration (ug/L)
0
50
100
150
200
250
300
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Manganese (all results were detected)
NM GW STD
last sampling round


TA-53i; unfiltered Bis(2-ethylhexyl)phthalate, depth: 600 ft
Concentration (ug/L)
18
16
14
12
10
8
6
4
2
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Bis(2-ethylhexyl)phthalate (all results were detected)
EPA MCL
last sampling round


Test Well 2A; unfiltered Cadmium, depth: 123 ft
Concentration (ug/L)
9
8
7
6
5
4
3
2
1
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date
Cadmium (all results were detected)
EPA MCL
last sampling round


Test Well 2A; filtered Iron, depth: 123 ft
Iron (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
7000
6000
5000
4000
3000
2000
1000
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date


Test Well 2A; unfiltered Lead, depth: 123 ft
Lead (all results were detected)
EPA Drinking Water Screening Level
last sampling round
Concentration (ug/L)
350
300
250
200
150
100
50
0
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date


Test Well 2A; filtered Manganese, depth: 123 ft
Concentration (ug/L)
900
800
700
600
500
400
300
200
100
0
Manganese (all results were detected)
NM GW STD
last sampling round
7/2/07
1/19/08
8/8/08
2/25/09
9/15/09
4/4/10
10/23/10
Date

Appendix F

Analytical Reports
(on DVD included with this document)

DVD Table of Contents

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
10-4257	GENINORG[a]	GELC	CALA-10-25215	8/19/2010	LAOI(a)-1.1	295.2
10-4257	GENINORG	GELC	CALA-10-25216	8/19/2010	LAOI(a)-1.1	295.2
10-4257	METALS	GELC	CALA-10-25215	8/19/2010	LAOI(a)-1.1	295.2
10-4257	METALS	GELC	CALA-10-25216	8/19/2010	LAOI(a)-1.1	295.2
10-4257	RAD[b]	GELC	CALA-10-25215	8/19/2010	LAOI(a)-1.1	295.2
10-4257	SVOA[c]	GELC	CALA-10-25215	8/19/2010	LAOI(a)-1.1	295.2
10-4257	VOA[d]	GELC	CALA-10-25214	8/19/2010	LAOI(a)-1.1	295.2
10-4257	VOA	GELC	CALA-10-25215	8/19/2010	LAOI(a)-1.1	295.2
10-4259	GENINORG	GELC	CALA-10-25227	8/19/2010	R-6i	602
10-4259	GENINORG	GELC	CALA-10-25228	8/19/2010	R-6i	602
10-4259	METALS	GELC	CALA-10-25227	8/19/2010	R-6i	602
10-4259	METALS	GELC	CALA-10-25228	8/19/2010	R-6i	602
10-4259	RAD	GELC	CALA-10-25228	8/19/2010	R-6i	602
10-4259	SVOA	GELC	CALA-10-25228	8/19/2010	R-6i	602
10-4259	VOA	GELC	CALA-10-25228	8/19/2010	R-6i	602
10-4259	VOA	GELC	CALA-10-25229	8/19/2010	R-6i	602
10-4270	GENINORG	GELC	CALA-10-24991	8/20/2010	LADP-3	316
10-4270	GENINORG	GELC	CALA-10-25198	8/20/2010	LADP-3	316
10-4270	METALS	GELC	CALA-10-24991	8/20/2010	LADP-3	316
10-4270	METALS	GELC	CALA-10-25198	8/20/2010	LADP-3	316
10-4270	RAD	GELC	CALA-10-24991	8/20/2010	LADP-3	316
10-4270	SVOA	GELC	CALA-10-24991	8/20/2010	LADP-3	316
10-4270	VOA	GELC	CALA-10-24991	8/20/2010	LADP-3	316
10-4270	VOA	GELC	CALA-10-25199	8/20/2010	LADP-3	316
10-4278	GENINORG	GELC	CALA-10-25221	8/20/2010	LAOI-3.2a	181.4
10-4278	GENINORG	GELC	CALA-10-25222	8/20/2010	LAOI-3.2a	181.4
10-4278	METALS	GELC	CALA-10-25221	8/20/2010	LAOI-3.2a	181.4
10-4278	METALS	GELC	CALA-10-25222	8/20/2010	LAOI-3.2a	181.4
10-4278	RAD	GELC	CALA-10-25221	8/20/2010	LAOI-3.2a	181.4
10-4278	SVOA	GELC	CALA-10-25221	8/20/2010	LAOI-3.2a	181.4
10-4278	VOA	GELC	CALA-10-25221	8/20/2010	LAOI-3.2a	181.4
10-4278	VOA	GELC	CALA-10-25223	8/20/2010	LAOI-3.2a	181.4
10-4306	GENINORG	GELC	CALA-10-25200	8/23/2010	R-9i	198.8
10-4306	GENINORG	GELC	CALA-10-25201	8/23/2010	R-9i	198.8
10-4306	METALS	GELC	CALA-10-25200	8/23/2010	R-9i	198.8
10-4306	METALS	GELC	CALA-10-25201	8/23/2010	R-9i	198.8
10-4306	RAD	GELC	CALA-10-25201	8/23/2010	R-9i	198.8
10-4306	SVOA	GELC	CALA-10-25201	8/23/2010	R-9i	198.8
10-4306	SVOA	GELC	CALA-10-25653	8/23/2010	R-9i	198.8

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
10-4306	VOA	GELC	CALA-10-25201	8/23/2010	R-9i	198.8
10-4306	VOA	GELC	CALA-10-25202	8/23/2010	R-9i	198.8
10-4306	VOA	GELC	CALA-10-25653	8/23/2010	R-9i	198.8
10-4309	HEXP[e]	STSL	CAPU-10-25281	8/23/2010	TW-2Ar	102
10-4310	GENINORG	GELC	CAPU-10-25281	8/23/2010	TW-2Ar	102
10-4310	GENINORG	GELC	CAPU-10-25282	8/23/2010	TW-2Ar	102
10-4310	HEXP	GELC	CAPU-10-25281	8/23/2010	TW-2Ar	102
10-4310	METALS	GELC	CAPU-10-25281	8/23/2010	TW-2Ar	102
10-4310	METALS	GELC	CAPU-10-25282	8/23/2010	TW-2Ar	102
10-4310	PEST/PCB[f]	GELC	CAPU-10-25281	8/23/2010	TW-2Ar	102
10-4310	RAD	GELC	CAPU-10-25281	8/23/2010	TW-2Ar	102
10-4310	SVOA	GELC	CAPU-10-25281	8/23/2010	TW-2Ar	102
10-4310	SVOA	GELC	CAPU-10-25508	8/23/2010	TW-2Ar	102
10-4310	VOA	GELC	CAPU-10-25281	8/23/2010	TW-2Ar	102
10-4310	VOA	GELC	CAPU-10-25283	8/23/2010	TW-2Ar	102
10-4310	VOA	GELC	CAPU-10-25508	8/23/2010	TW-2Ar	102
10-4312	GENINORG	GELC	CALA-10-25219	8/23/2010	LAOI-3.2	153.3
10-4312	GENINORG	GELC	CALA-10-25220	8/23/2010	LAOI-3.2	153.3
10-4312	METALS	GELC	CALA-10-25219	8/23/2010	LAOI-3.2	153.3
10-4312	METALS	GELC	CALA-10-25220	8/23/2010	LAOI-3.2	153.3
10-4312	RAD	GELC	CALA-10-25220	8/23/2010	LAOI-3.2	153.3
10-4312	SVOA	GELC	CALA-10-25220	8/23/2010	LAOI-3.2	153.3
10-4312	VOA	GELC	CALA-10-25218	8/23/2010	LAOI-3.2	153.3
10-4312	VOA	GELC	CALA-10-25220	8/23/2010	LAOI-3.2	153.3
10-4337	GENINORG	GELC	CALA-10-25203	8/24/2010	R-9i	278.8
10-4337	GENINORG	GELC	CALA-10-25204	8/24/2010	R-9i	278.8
10-4337	METALS	GELC	CALA-10-25203	8/24/2010	R-9i	278.8
10-4337	METALS	GELC	CALA-10-25204	8/24/2010	R-9i	278.8
10-4337	RAD	GELC	CALA-10-25204	8/24/2010	R-9i	278.8
10-4337	SVOA	GELC	CALA-10-25204	8/24/2010	R-9i	278.8
10-4337	SVOA	GELC	CALA-10-25652	8/24/2010	R-9i	278.8
10-4337	VOA	GELC	CALA-10-25204	8/24/2010	R-9i	278.8
10-4337	VOA	GELC	CALA-10-25205	8/24/2010	R-9i	278.8
10-4337	VOA	GELC	CALA-10-25652	8/24/2010	R-9i	278.8
10-4352	DIOX/FUR[g]	CFA	CAPU-10-25281	8/23/2010	TW-2Ar	102
10-4358	HEXP	GELC	CALA-10-25211	8/25/2010	TA-53i	600
10-4358	PEST/PCB	GELC	CALA-10-25211	8/25/2010	TA-53i	600
10-4358	RAD	GELC	CALA-10-25207	8/25/2010	TA-53i	600
10-4358	RAD	GELC	CALA-10-25210	8/25/2010	TA-53i	600
10-4358	RAD	GELC	CALA-10-25211	8/25/2010	TA-53i	600
10-4358	SVOA	GELC	CALA-10-25207	8/25/2010	TA-53i	600

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
10-4358	SVOA	GELC	CALA-10-25210	8/25/2010	TA-53i	600
10-4358	SVOA	GELC	CALA-10-25211	8/25/2010	TA-53i	600
10-4358	SVOA	GELC	CALA-10-25213	8/25/2010	TA-53i	600
10-4358	VOA	GELC	CALA-10-25206	8/25/2010	TA-53i	600
10-4358	VOA	GELC	CALA-10-25207	8/25/2010	TA-53i	600
10-4358	VOA	GELC	CALA-10-25210	8/25/2010	TA-53i	600
10-4358	VOA	GELC	CALA-10-25211	8/25/2010	TA-53i	600
10-4358	VOA	GELC	CALA-10-25213	8/25/2010	TA-53i	600
10-4359	GENINORG	GELC	CALA-10-25207	8/25/2010	TA-53i	600
10-4359	GENINORG	GELC	CALA-10-25208	8/25/2010	TA-53i	600
10-4359	GENINORG	GELC	CALA-10-25209	8/25/2010	TA-53i	600
10-4359	GENINORG	GELC	CALA-10-25210	8/25/2010	TA-53i	600
10-4359	GENINORG	GELC	CALA-10-25211	8/25/2010	TA-53i	600
10-4359	METALS	GELC	CALA-10-25207	8/25/2010	TA-53i	600
10-4359	METALS	GELC	CALA-10-25208	8/25/2010	TA-53i	600
10-4359	METALS	GELC	CALA-10-25209	8/25/2010	TA-53i	600
10-4359	METALS	GELC	CALA-10-25210	8/25/2010	TA-53i	600
10-4359	METALS	GELC	CALA-10-25211	8/25/2010	TA-53i	600
10-4360	DIOX/FUR	CFA	CALA-10-25211	8/25/2010	TA-53i	600
10-4361	HEXP	STSL	CALA-10-25211	8/25/2010	TA-53i	600
10-4364	GENINORG	GELC	CALA-10-25225	8/26/2010	LAOI-7	240
10-4364	GENINORG	GELC	CALA-10-25226	8/26/2010	LAOI-7	240
10-4364	METALS	GELC	CALA-10-25225	8/26/2010	LAOI-7	240
10-4364	METALS	GELC	CALA-10-25226	8/26/2010	LAOI-7	240
10-4364	RAD	GELC	CALA-10-25225	8/26/2010	LAOI-7	240
10-4364	SVOA	GELC	CALA-10-25225	8/26/2010	LAOI-7	240
10-4364	VOA	GELC	CALA-10-25224	8/26/2010	LAOI-7	240
10-4364	VOA	GELC	CALA-10-25225	8/26/2010	LAOI-7	240
10-4406	GENINORG	GELC	CALA-10-25650	8/30/2010	Campsite Springs	—[h]
10-4406	GENINORG	GELC	CALA-10-25651	8/30/2010	Campsite Springs	—
10-4406	METALS	GELC	CALA-10-25650	8/30/2010	Campsite Springs	—
10-4406	METALS	GELC	CALA-10-25651	8/30/2010	Campsite Springs	—
10-4406	RAD	GELC	CALA-10-25650	8/30/2010	Campsite Springs	—

[a] GENINORG = General inorganics.

[b] RAD = Radionuclides.

[c] SVOA = Semivolatile organic analysis.

[d] VOA = Volatile organic analysis.

[e] HEXP = High explosives.

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

[g] DIOX/FUR = Dioxins and furans.

[h] — = Not applicable.